BC Geological Survey
Assessment Report
35779

TECHNICAL REPORT OF DRILLING

HAT PROJECT

95 KM SOUTHWEST OF DEASE LAKE,
LIARD M. D., B.C.

NTS 104 J
UTM Zone 9: 345211E, 6453290N

Tenures: 501290, 507814, 511709, 515549, 515550, 896518, 1019552, 1019554, 1019557

Work Performed on tenure 515550, 501290, 507814

Owners: T.E. Lisle, Erik Ostensoe, Doubleview Capital Corp.

Work done by: Terracad Geoscience Services Ltd.

For: Doubleview Capital Corp.

Report prepared by: Erik Ostensoe, P. Geo.

Submitted: February 12, 2016

In fulfillment of Event No. **5565122**.

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1.0 INTRODUCTION

The Hat Project mineral tenures are located in Liard Mining Division immediately north of Hatchau Lake, 95 km SW of Dease Lake, B. C. (Figure 1). They are situated in the Intermontane Physiographic Belt, immediately east of the Coast Crystalline Belt. Access is entirely by helicopter from Dease Lake or the Golden Bear road, or by a combination of fixed wing aircraft from Whitehorse, Yukon or Dease Lake to the Sheslay airstrip, 10 km west of the property, and thence by helicopter to a temporary camp on tenure no. 507814 (Figure 2).

The Hat Project comprises nine mineral tenures (Table 1) with total area approximately 3561.43 hectares. The tenures are held, variously, by Mssrs. Lisle and Ostensoe and by Doubleview Capital Corp.

Mssrs. Lisle and Ostensoe in 1993 acquired parts of the Hat Project by staking; later tenures were obtained by provisions of Mineral Titles Online map staking methods. Doubleview Capital Corp., a public company, in addition to tenures held in its name, also holds an option to acquire 100% of the Lisle and Ostensoe tenures. Doubleview, since August, 2011, has been the operator of the Hat Project.

Prior to its acquisition by the present owners, the property was explored in 1978 and 1979 by Utah Mines Ltd. which company conducted geological, geochemical and geophysical surveys and a small amount of bulldozer trenching. Currently, the Hat Project is considered to be an early-stage exploration project that principally is being explored by diamond drilling methods. The exploration model is that of a gold-copper alkalic-type porphyry deposit, generally similar to the Copper Mountain, Mt Polley and Red Chris deposits in British Columbia, Ridgeway in the Cadia District of New South Wales, Skouries, Greece, and the Reko Dig deposits in western Pakistan.

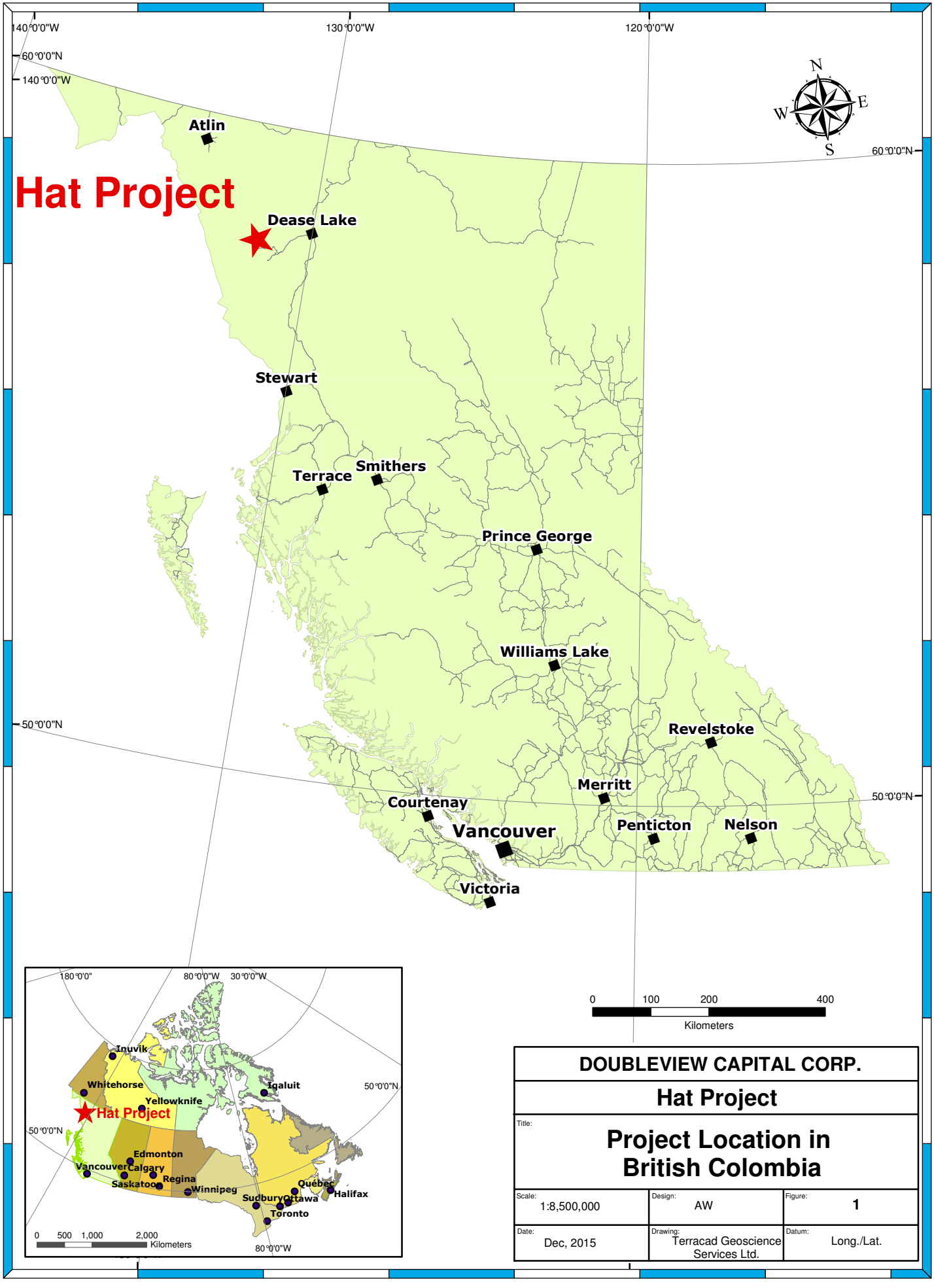
Doubleview in 2011 conducted limited geochemical and geophysical surveys to verify data from the Utah Mines Ltd. work and since 2013 has explored parts of the property by diamond drilling a total of 7768 metres in 23 holes (Figure 3). 21 drill holes are located on tenure no. 515550 and two drill holes, on tenure no. 507814. Doubleview's work prior to 2014 was reported in assessment reports 33038 and 34654 that are available on the ARIS website. Hat Project work is conducted by Terracad Geoscience Services Ltd., a Vancouver, B. C. based company that provides GIS solutions and exploration project management to the mineral exploration industry.

In response to instructions from the Ministry of Energy and Mines, a preliminary archaeological overview assessment of the Hat tenures was conducted for Doubleview by Baseline Archaeological Services Ltd. Apart from a small number of sites, including some in areas outside of the Hat tenures, that were itemized as having high to moderate archaeological potential, most of the property was assessed as having low archaeological potential. Copies of the archaeological assessment were provided to local First Nations and to the District Office of the Ministry.

Tenure No.	Name	Owner	Issued	New Good to date	Area (ha)
501290	Hat	TE Lisle	2005/jan/12	2025/sept/30	204.53
507814		TE Lisle	2005/feb/24	2025/sept/30	255.74
511709		TE Lisle	2005/apr/26	2025/sept/30	324.01.
515549		E. Ostensoe	2005/jun/29	2025/sept/30	187.59
515550		E. Ostensoe	2005/jun/29	2025/sept/30	715.87
896518	Top Hat	E. Ostensoe	2011/sep/11	2025/sept/30	204.51
1019552	Hat North 1	Doubleview Capital Corp	2013/may/16	2025/sept/30	459.99
1019554	Hat North 21	Doubleview Capital Corp	2013/may/16	2025/sept/30	664.19
1019557	Hat North 3	Doubleview Capital Corp	2013/may/16	2025/sept/30	545.00

Table 1. Hat Property – Mineral Tenures

The Hat Project, on the basis of technical surveys and drilling, may be host to a medium-to large-sized gold copper deposit. Exploration by diamond drilling is continuing.



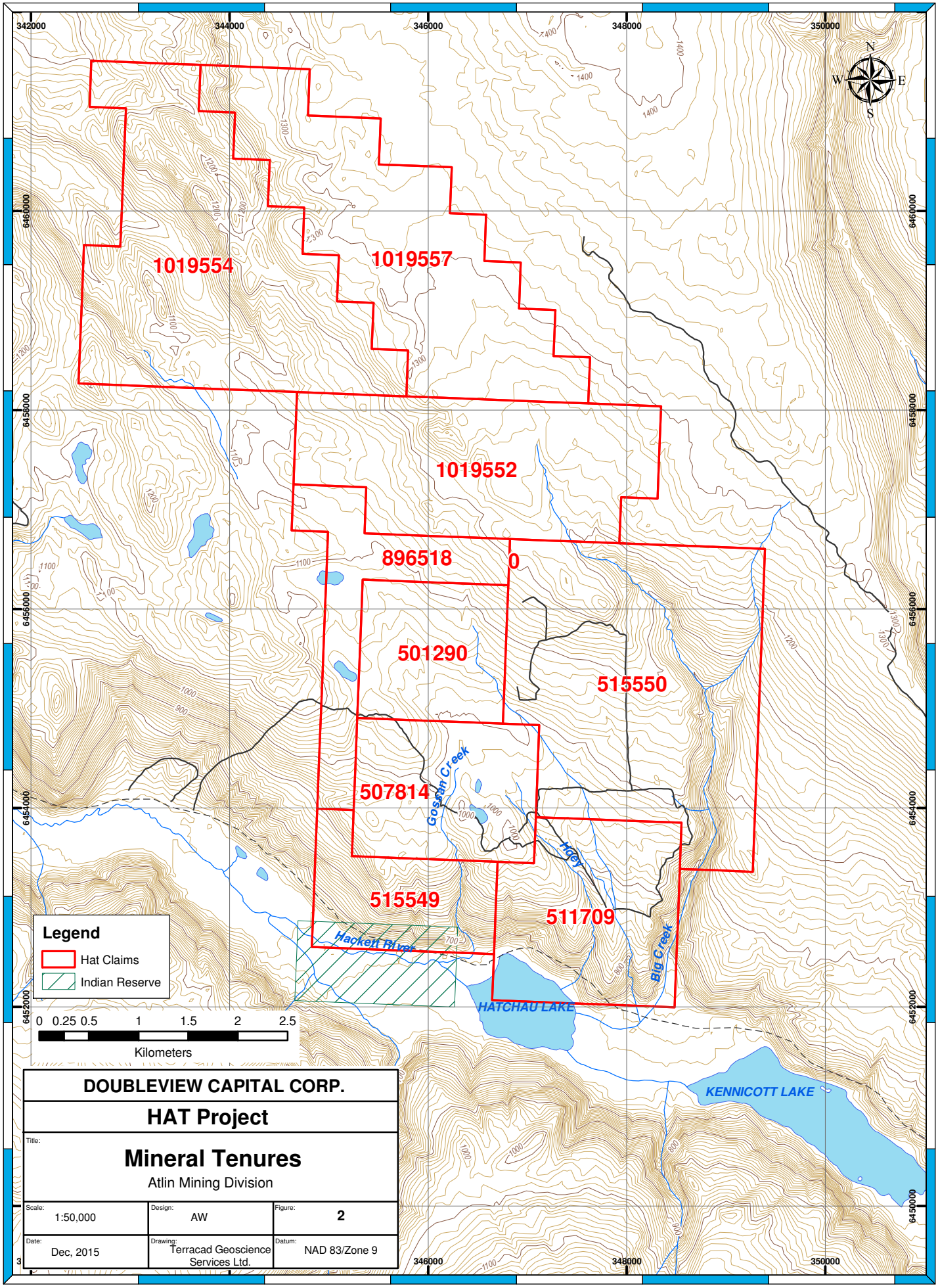
DOUBLEVIEW CAPITAL CORP.

Hat Project

Title:

Project Location in British Colombia

Scale:	Design:	Figure:
1:8,500,000	AW	1
Date:	Drawing:	Datum:
Dec, 2015	Terracad Geoscience Services Ltd.	Long./Lat.



DOUBLEVIEW CAPITAL CORP.

HAT Project

Title:

Mineral Tenures

Atlin Mining Division

Scale:	Design:	Figure:
1:50,000	AW	2
Date:	Drawing:	Datum:
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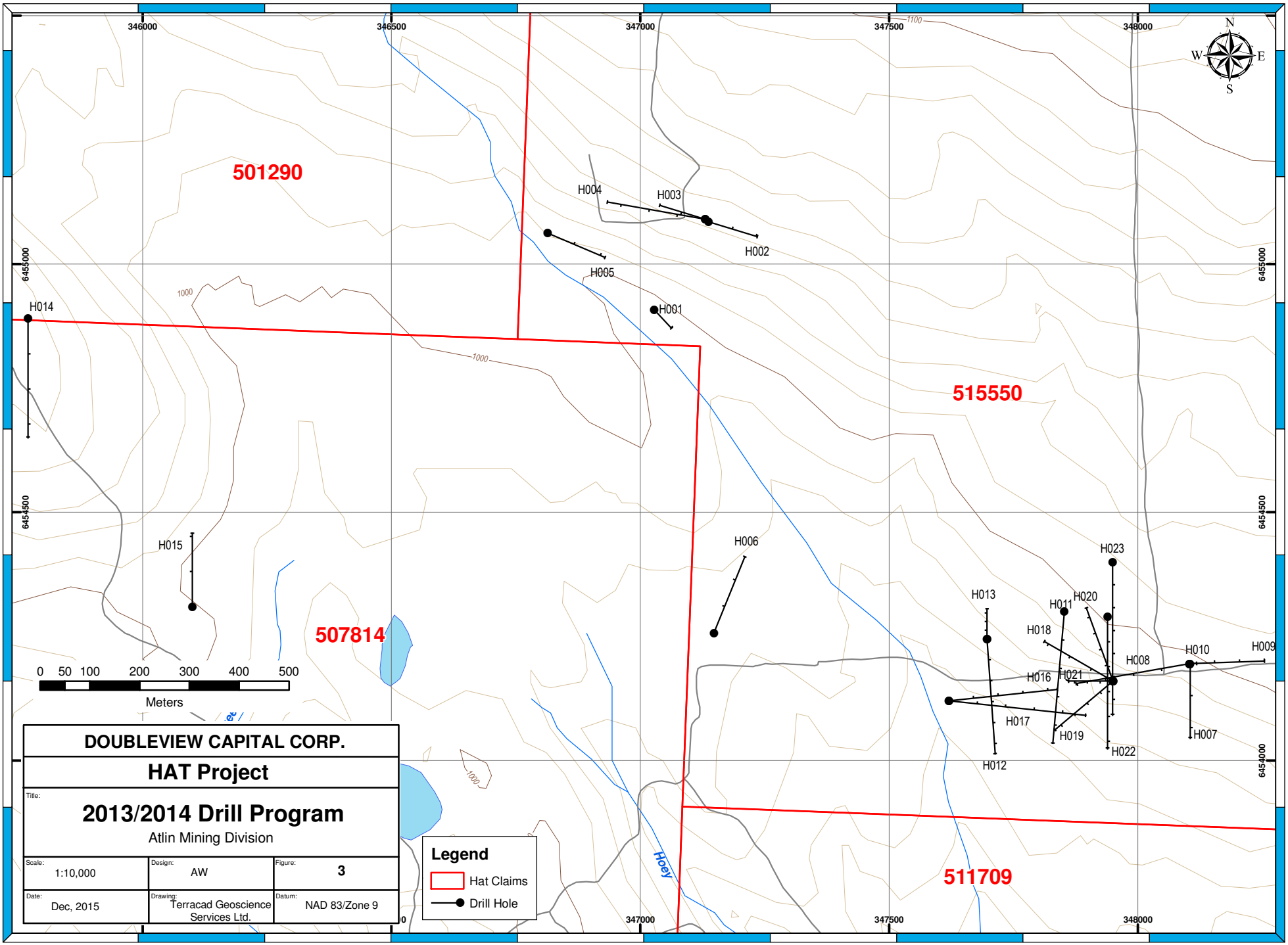
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Meters
Hoey
Legend
Hat Claims
Drill Hole
DOUBLEVIEW CAPITAL CORP.
HAT Project
Title:
2013/2014 Drill Program
Atlin Mining Division
Scale: 1:10,000
Design: AW
Figure: 3
Date: Dec, 2015
Drawing: Terracad Geoscience Services Ltd.
Datum: NAD 83/Zone 9

2.0 2014 PROGRAM OF WORK

Four separate Hat Project campaigns of diamond drilling were conducted during 2014. All drill holes were drilled using NQ size coring bits to recover cores with nominal diameter 47.6 mm. Commencing in late March, camp improvements were completed, followed by drilling of holes H011X, H012, H013, H014 and H015. The second phase work comprised holes H016, H017, H018 and H019; third phase, H020, H021 and H022; fourth phase, H023. Work ceased and the camp was winterized and closed on December 20, 2014. Total drilling in 2014 was 5582.03 metres in 13 drill holes. As detailed in the accompanying Statement of Exploration Expenditures, cost of drilling, archaeological studies, data management and report preparation was $2,196,596, of which $71,228.58 was applied to extend the expiry dates of all tenures one year to September 30, 2025 and $2,125,367.50 was applied to the Farshad Shirvani PAC account.

Drill hole locations were determined by reference to technical data and modeling studies that employed computer-based techniques to illustrate available information. Cores were examined by qualified geologists who recorded rock types, structures, alteration and mineralization and selected the core intervals to be sampled. Cores were cut with a diamond saw to produce approximately equal halves, one half became the sample for analysis and was placed in a plastic bag, along with an identifying tag and placed in a larger so-called "rice bag" for shipment to the analytical laboratory. The remaining half core was returned to the core box and stored for future reference purposes. Quality assurance/ quality control protocols were observed in the field by insertion of standard samples and in the lab by obtaining analyses of duplicate pulps. The analytical laboratory maintained internal QA/QC standards by various routines, including duplicate analyses, their own standards and blank samples. Total number of samples from 2014 drilling was 2617.

Drill cores are stored on the property in proximity to the drill holes*. Core boxes, to avoid rapid deterioration are covered by tarpaulins and supported on squared timbers or logs.
[*Note: *subsequent to year-end 2014 most boxes of core were moved to a storage area located close to the temporary camp*.]

Drill hole co-ordinates and other details are included in Table 2. Appendix 1 of this report includes details of geological observations; Appendix 2, Certificates of Analysis; Appendix 3 includes representations of core data, including gold and copper values.

Hole	Easting	Northing	Elevation	Dip	Azimuth	Length	Samples
H011x*	347852	6454300	993.8	-55	185	463.3	71*
H012	347697	6454245	980	-65	176	548	283
H013	347697	6454245	980	-80	0	350	218
H014	345752	6454890	1057	-45	180	336.8	167
H015	346100	6454310	1001.5	-45	0	208.8	105
H016	347620	6454120	953	-60	84	438	183
H017	347620	6454120	953	-55	96	481.6	180
H018	347950	6454160	985.1	-60	300	319	108
H019	347950	6454160	985.1	-70	230	446	227

H020	347950	6454160	985.1	-70	340	458.4	226
H021	347950	6454160	985.1	-75	270	346	165
H022	347939	6454289	998	-60	180	527	271
H023	347949	6454400	1008	-62.5	180	665	413

Table 2. 2014 Drill Hole Data, NAD 83/UTM Zone 9

** H011 extension was drilled in 2014, number of samples sampled in 2014.*
Figures 4 illustrates drill hole locations.

Descriptions of 2014 Drill Holes

Note that some of the following information may be revised when new data are obtained.

Drill hole H011X was a continuation of Hole H011 that was suspended in late November, 2013 due to difficult winter weather conditions. **Drill hole H011** was drilled from drill site #6 (UTM Zone 9: 0347852E, 6454300N, elev. 993.8 m.) with direction 185° and inclination -55°, to intersect the westerly continuation of the mineral zone first intersected in the lower part of drill hole H008. Total depth in 2013 was 319.1 metres and the hole was deepened in 2014 to total depth 463.3 metres. 108 core intervals were sampled in 2013 and a further 71 samples were obtained from the 2014 extension portion of the drill hole.

Hole H011/11X passed through a long section of weakly mineralized andesitic tuffs, similar to those found in most other Hat property drill holes and ended in what have been identified as diorite and gabbro. The implication from the evolving model is that the andesite and gabbro are coeval but the evidence is at best tenuous and other models are equally viable. Copper and gold values are relatively strong throughout, with 451 metres with 0.22% Cu and 0.17g/tonne Au and the mineralization appears to represent the same copper/gold zones that were found in drill hole H008.

Drill hole H012 was collared 155 metres west of hole H011 from drill site #7 (UTM Zone 9, 347697E,6454245N) and was directed south to the continuation of the zone of mineralization that had been located in 2013 in drill holes H008 and H011. Azimuth - 176°, inclination -65°. Total length: 548.0 metres. Upper parts of drill hole H012 passed through pyroxene andesite and dioritic lapilli tuff, with sections of an altered and mineralized formation that for convenience is referred to as "Sheslay Red Stock" and that is, questionably, a dioritic intrusive unit. Chalcopyrite, pyrite, magnetite, epidote and chlorite are the principal alteration and sulphide minerals. A 283 metre section assayed 0.18% Cu and 0.21g/tonne Au.

Drill hole H013 also was collared at drill site #7 close to H012 (UTM Zone 9, 347697E, 6454245N) and directed north. Azimuth 0°, inclination -80°. Total length: 350.0 metres. The hole passed through formations and mineralization similar to that in Hole H012. An 84 metre section assayed 0.18% Cu and 0.14g/tonne Au.

Drill hole H014, at drill site #8 (UTM Zone 9, 345752E, 6454890N), was the initial drill hole in the "Anomaly C" area, an induced polarization chargeability geophysical anomaly located in an area with anomalous copper-in-soil geochemical values and copper mineralization in outcrops.

Azimuth 180°, inclination -45°. Total length: 336.8 metres. The drill hole was collared in diorite, passed through sections of syenite and heterolithic tuffs and ended in medium grained diorite. Small amounts of copper mineralization were intersected throughout the drill hole with best intervals assaying 4.0 m with 0.18% Cu and 0.075 g/tonne Au, and 6.0 m with 0.31% Cu and 0.137g/tonne Au.

Drill hole H015, at drill site #9 (UTM Zone 9, 346100E, 6454310N) was a second test of the Anomaly C geophysical and geochemical anomalous area. Azimuth 0°, inclination -45°. Total length: 208.8 metres. The hole passed through fine to medium grained diorite with negligible to very weak copper mineralization. 105 core samples, 8 standard samples.

Drill hole H016, at drill site #10 (UTM Zone 9, 347620E, 6454120N), was positioned to provide a deep intersection of the H008, H011, H012 mineral zone (aka the "Lisle Zone"). Azimuth 84°, inclination -60°. Total length: 438 metres. Bedrock was entered at 45.7 metres. The drill hole passed through andesitic tuffs similar to those found elsewhere on the property and sections of dark, chloritic gabbro with strong magnetite and sections of red alteration that included intervals of disseminated and semi-massive chalcopyrite/pyrite mineralization. The 383.3 metre section from 45.7 to 429 metres averaged 0.14% Cu and 0.11 g/tonne Au.

Drill hole H017, also from drill site #10 (UTM Zone 9, 347620E, 6454120N), at azimuth 96°, inclination -55°, total length 481.6 metres, intersected the same geological section and Lisle Zone mineralization as did hole H016. The 420.2 metre section from bedrock surface to total depth averaged 0.17% Cu and 0.14g/tonne Au, including 238.9 metres with 0.27% Cu and 0.22g/tonne Au.

Drill hole H018, from drill site #11 (UTM Zone 9, 347950E, 6454160N), was directed to the Lisle Zone mineralization. Azimuth 300°, inclination -60°. Total length: 319 metres. Upper parts were in andesitic and rhyolitic tuffs and at about 160 metres the hole entered dark diorite or gabbro. The hole was terminated at 303 metres due to faulted ground conditions and did not reach the intended Zone The 143.3 metre interval from 170.7 to 314 metres averaged 0.23% Cu, 0.27g/tonne Au and 0.54g/tonne Ag.

Drill hole H019, from drill site #11 (UTM Zone 9m 347950E, 6454160N), after the failure of hole H018, was a second attempt to intersect Lisle Zone mineralization at greater depth. Azimuth 230°. Inclination -70°. total length: 446 metres. Collared in tuff formation. Strong fault at 74 to 83 m followed by feldspar porphyritic andesite to 156 m then return to tuff formation with narrow sections of porphyry. Red alteration (adularia?) irregularly present along with epidote. Much fracturing at 35° to 65°^CA. Gabbro from 319 m to 348 m. Andesite to 365 m. Gabbro to 376 m. Tuff formation to EOH at 446 m. Chalcopyrite mineralization present with reddish alteration and in bands. Accompanies magnetite in sheared sections. Entire hole from 48.4 m to 444.8 m (396.4 m) averages 0.13% Cu, 0.10 g/t Au and 0.29 g/t Ag. 60.5 m section from 359.7 m to 420.2 m averages 0.43% Cu, 0.10 g/t Au and 1.01 g/t Ag.

Drill hole H020, from drill site #11 (UTM Zone 9, 347950E, 6454160N), directed northwesterly to intersect Lisle Zone continuation from hole H011. Azimuth 340°. Inclination -70°. total length: 458.4 m. Drilled in lapilli tuff and tuffaceous andesite to 281 m (see H019) followed by

gabbro to 278 m. At 278 m return to mixed tuff and andesite formation to 301 m, with short section of gabbro at 301 m to 311 m and 338 m to 358 m, accompanied by heavy magnetite, red alteration, sulphides (Lisle Zone). Heterogeneous tuff and andesite to EOH at 458.4 m. 41.31 m section from 253.49 m to 294.80 m averages 0.45% Cu, 0.384g/t Au and 0.306 g/t Ag.

Drill hole H021, from drill site #11, (UTM Zone 9, 347950E, 6454160N), directed west at steeper angle to intersect deep Lisle Zone mineralization. Azimuth 270°. Inclination -75°. total length: 346 m. Tuffaceous andesite the same as in H020 to 255 m where similar fault contact to gabbroic unit. Gabbro is variable with sections of finer grained, more dioritic, unit that continues to about 277 m with variations that range from andesite to less ambiguous gabbro. Tuff, et al., with variations in grain size, some feldspar porphyry. Copper mineralization generally weak with short better grade sections, including 246 m to 346 m – 100 m with 0.19% Cu, 0.13 g/t Au and 0.37 g/t Ag that includes 46.4 m with 0.26 % Cu, 0.18 g/t Au and 0.59 g/t Ag.

Drill hole H022, from drill site #12 (UTM Zone 9, 347939E, 6454289N), located 87 metres east of drill hole H011 and directed south to parallel the mineralization in that hole. Azimuth 180°. Inclination -60°. Total length 527 metres. See H011 (above): similar formations with stronger sulphide mineralization. 451 metre section from 76 m to EOH assayed 0.21% Cu, 0.18 g/t Au and 1.84 g/t Ag.

Drill hole H023 – located at drill site #13 (UTM Zone 9, 347949E, 6454400N), 111 metres north of H022. Final depth 665 metres. 413 core samples. Drilled to undercut mineral zone in H022. Zone is stronger than in H022. 110.0 metre section from 270.6 m to 381.6 m assayed 0.47% copper and 0.36g/tonne gold. Some of the minor metal values appear to be higher than those found in other drill holes (see list included in Appendix 1 – H023). 11 rock pulp standard samples were inserted into the sample stream for QA/QC purposes.

3.0 PROCESSING OF DRILL CORES

The geologist(s) inspected all cores, recorded various parameters, including rock type, texture, colour, types of alteration, intensity of alteration, presence and abundance of sulphide minerals and magnetite, and marked core intervals for sampling purposes. A three-part tag was used to identify each core sample interval: one part was placed in the sample bag, another was stapled into the core box, and the third part was retained for reporting purposes. Cores were sawn by two Terracad employees with experience in core handling and sampling procedures.

Core logs were in part handwritten and in part entered into a computer file for later retrieval. Geologic core log data are plotted in vertical sections that are included in Appendix 3b of this report and assay data are plotted in vertical sections that are included in Appendix 3b of this report.

The 2014 programs of diamond drilling were extensions of the 2013 programs that were the first directed to any part of the Hat property. Drill hole collar locations were selected on the basis of interpretation of available induced polarization geophysical surveys, soil geochemical sample analyses, prospectors' notes and geological mapping, and data obtained from 2013 and earlier work. Sample intervals were determined at the discretion of the geologist responsible for

logging the drill core, on the basis of geology, alteration and sulphide mineralization. Sample intervals varied from a few centimeters to three metres in length. The following sections include discussions of the geology and analyses relative to each drill hole: more detailed core logs are presented in Appendix 3(a) of this report.

In total 2617 core samples and 8 standard (rock pulp) samples were submitted to Acme Analytical Laboratories Ltd. in Smithers, B. C. and to ALS Chemex in North Vancouver, B. C.

ALS Minerals, a division of ALS Canada Ltd., dried, weighed and fine crushed to 70% passing a 2 mm screen, the entire sample as received and then riffle-split a portion that, in turn was pulverized to 85% <75 um. Gold analyses were performed on a 50 gram sub-sample following fire assay with atomic absorption finish. Multi-element determinations were obtained by subjecting a 0.5 gram sub-sample to four-acid digestion followed by induced couple plasma (ICP) and atomic emission spectrometric (AES) measurement of 33 elements. Reported elements were Au (by FA AA method) and Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, %Fe, Ga, %K, La, %Mg, Mn, Mo, %Na, Ni, P, Pb, %S, Sb, Sc, Sr, Th, %Ti, Tl, U, V, W, and Zn. Except as indicated, values were reported in parts per million (ppm).

The Acme Analytical prep lab in Smithers dried, weighed, crushed, and riffle-split out 250 grams that were then forwarded to the Vancouver laboratory. The Vancouver lab pulverized a portion to 85% <200 mesh and treated 0.25 grams of that sample by aqua regia and/or multi-acid digestion followed by induced coupled plasma-emission spectrometric (ICP-ES) analysis for 36 elements. Gold content was determined on a 50 gram portion by fire assay fusion followed by induced coupled plasma-emission spectrometry (ICP-ES). Thirty-six elements were determined: Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, %Fe*, As, Au**, Th, Sr, Cd, Sb, Bi, V, %Ca*, %P*, La, Cr, %Mg*, Ba, %Ti*, B, %Al*, %Na*, %K*, W, Hg, Sc, Tl, %S*, Ga, Se, Te. Except as shown, elements were reported in ppm*.

Reference samples of known composition were inserted in the field into the sample stream for QA/QC purposes. Terracad in due course received analytical results plus quality control reports. Certificates of Analysis that include the name and address of the analytical laboratory, qualifications of person who did the analysis, details of sample preparation, analytical procedures, reagents, equipment and procedures, as well as mesh size fraction, split and weight of sample used for analysis are included in Appendix 1 of this report. The laboratory also performed additional internal quality control procedures deemed appropriate by the Certified Assayer; these procedures included analysis of pulp duplicate samples, replicate analyses of a portion of the clients' samples and analysis of reference materials. Quality Control analyses were monitored by the Certified Assayer to ensure reliability of analytical data and all such data were routinely forwarded to the client.

Subsequent to the initial stage of the 2014 program, all core samples were prepared with four-acid digestion process followed by ICP-ES analysis for 36 elements. The Certificates of Analysis in Appendix 1, numbered ---420.2, ---422.2 and ---441.2, include determinations for samples processed by both aqua regia and four-acid digestion preparation. 30 gram portions of 14 samples were analysed for platinum, palladium and gold as reported in Certificate VA14017698 that is included in Appendix 2.

[#]Note: *Reported in ppm except*: * - *reported in %, ** reported in ppb.*

4.0 RESULTS OBTAINED

The object of the 2014 diamond drilling programs was to obtain geological information and analytical data, particularly copper, gold and silver values, but also data concerning components of alteration mineralization including potassium, sodium, iron, sulphur, silica and others. Drill site locations and hole direction and inclination were selected from historic and recent property information gathered by, respectively, Utah Mines Ltd. (geology, soil geochemical samples and induced polarization and magnetic geophysical surveys), the vendors (geology, soil geochemical samples, prospecting) and by Doubleview (2011: 479 MMI soil geochemical samples; 2013: 15 line-km IP survey, 11 drill holes – 2581.3 m).

The 2014 program of diamond drilling was directed to expansion of the Lisle Zone of copper-gold mineralization that was discovered in 2013 and to preliminary drill testing of Anomaly C. The Lisle Zone was expanded substantially but was not delineated. Much technical and analytical data were added to the Hat Project data base and will be used in furthering the Project.

5.0 ARCHAEOLOGY

Aaron Bible, B.A., RPCA, of Baseline Archaeological Services Ltd. in the period August 18 to 22, 2014, completed an "Archaeological Overview Assessment/Preliminary Field Reconnaissance" of the Hat Project. Working from the Hat Project camp and working with provincial records and data supplied by Terracad, Mr. Bible accomplished a pedestrian survey of much of the property. The final report included reference to several areas outside of the property that were observed to have high to moderate archaeological potential. A previously unrecorded archaeological site that was identified at the camp site comprised obsidian fragments. The site, designated "IbTv-4", to avoid contamination was clearly marked and it was recommended that a qualified archaeologist should conduct an archaeological impact assessment, including subsurface testing, in the camp area.

6.0 REFERENCES

The following sources are relevant to the accompanying technical report:

ARIS: Assessment Report Indexing System – Geological Survey Branch reference library of assessment reports, accessible by internet

Bible, Aaron, 2014, Archaeological Overview Assessment/Preliminary Field Reconnaissance, report prepared by Baseline Archaeological Services Ltd. for Terracad Geoscience Services Ltd.

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Vyselaar, J., 1979, Combined Linecutting, Geochemical and Geophysical Report, SKI property, Atlin Mining Division, B. C., Utah Mines Ltd., Assessment Report #7482.

7.0 QUALIFICATIONS OF AUTHOR

John Buckle, P. Geo., consulting geologist and geophysicist, was responsible for logging and sampling drill cores from drill holes H011X, H012, H013, H014 and H015.

Krystal Milligan, geologist, was responsible for logging and sampling drill cores from drill holes H019, H020, H021, H022 and H023 to 400.23m.

Erik Ostensoe, P. Geo., the author of the accompanying technical report, is a consulting geologist with more than forty years experience in mineral exploration in British Columbia and elsewhere. He is a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia, member no. 18,727 and is familiar with the geology and other characteristics of porphyry deposits similar to the Hat Property that is the subject of the technical report. He was responsible for permitting, supervision and for logging and sampling drill cores from drill holes H016, H017 and H018.

8.0 STATEMENT OF EXPENDITURES

The following expenditures were incurred in completing the Hat Project 2014 programs of work:

Compiled from unaudited accounts prepared by Terracad Geoscience Services Ltd.

Accommodation (travel related)	$ 3,276.88
Aircraft charters (fixed wing)	$ 81,139.78
Airline travel (scheduled)	$ 11,050.73
Analytical laboratory services	$ 187,543.70
Archaeological Studies	$ 9,642.23
Camp manager and Geotech (includes some purchases)	$ 11,061.51
Camp materials (lumber, plumbing, electrical, insulation, kitchen)	$ 21,994.66
Communications (satellite, vhf radios, skype)	$ 2,423.60
Consultants (geological, geophysical, petrological, data modeling)	$ 53,186.67
Cooks	$ 42,300
Core boxes	$ 12,801.48
Core saws (2)	$ 8,287.62
Diamond drilling (as invoiced)	$ 1,011,855.80
Groceries and camp supplies	$ 30,709.04
Fuels (diesel, aviation gas, gasoline, propane)	$ 110,180.85
Gasoline (highway travel)	$ 849.19
Helicopter services	$ 346,921.06
Insurance (4X4 truck)	$ 5,099.00
Labour (core samplers, trail builders, camp carpentry, pad builders)	$ 74,486.94
Lumber (timber for drill pads)	$ 5,575.24
Meals (travel related)	$ 459.71
Medical services (hospital)	$ 986.75
Miscellaneous items (travel expenses, hand tools, casual labour, safety gear, gratuities, includes some groceries and non-reimbursed personal items for crew members)	$ 22,071.65
Transportation (highway trucking)	$ 30,387.25
Snowmachines (sleds) and ATVs	$ 4,497.29
Total in-field expenditures Hat Project 2014	$ 2,119,170.20

Supervision and Geological Services

John Buckle, P. Geo., dba Geological Solutions - 28 days @ $500/day - $14,000.00

Kristle Milligan – geologist, 65 days @ $480/day - $ 31,200.00

Teresa Gough - camp and data management, core handling, communications – 85 days @ $480/day - $ 40,800.00

Rob Hall, BSc. – camp management, expediting - 15 days @ $600/day - $ 9,000.00

Terracad Geoscience Services Ltd. – Camp support/management, expediting, permitting, data management – 12 months @ $2000/month – $ 24,000.00

Erik Ostensoe, P. Geo. – geological consulting, permitting, project coordination, camp management, liason with Ministry of Energy and Mines, First Nations - 40 days @ $600/day - $ 24,000.00
Farshad Shirvani, MSc – geological consulting, project design, camp management, communications, logistics - 50 days @ $600/day - $ 30,000.00

Total - Supervision and Geological Services - $173,000.00

Report Preparation - Terracad Geoscience Services Ltd.
Anke Woodworth – GIS specialist, logistics, report preparation – 10 days @ $480/day - $4,800.00
Kelly Wasylow – data assembly - 5 days @ $480/day - $ 2,400.00
Farshad Shirvani, MSc – GIS specialist, data management – 4 days @ $600/day - $ 2,400.00
Erik Ostensoe, P. Geo., consultant, data management, text preparation – 10 days @ $600/day - $ 6,000.00
Total – Report Preparation - $15,600.00

TOTAL EXPENDITURES – 2014 PROGRAM OF WORK $2,307,770

Wages and Time worked and travelled

Name	Date – in 2014	Position	Travel	Accommodation	Days
Tyler George	March 15-April 27	camp labourer/ core cutter	drove from Smithers in/out	1 night in/out in hotel; rest in camp	44@$200 = $8800
Andre Belanger	March 15-April 27	camp labourer/ core cutter	drove from Smithers in/out	1 night in/out in hotel; rest in camp	44@$180 = $7920
Jesse Smith	March 19-April 27	camp labourer/ core cutter	drove from Smithers in/out	1 night in/out in hotel; rest in camp	40@$180 = $7200
Paul Hoffman	March 18-April 27	camp labourer/ core cutter	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	41@$180 = $7380
Teresa Gough	March 18-April 27	Camp management/ communications	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	41@$480 = $19680
Kelly Wasylow	March 18-April 27	Camp cook	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	41@$300 = $12300
Farshad Shirvani	March 18-April 27	Supervision/Geologist	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	41@$600 = $24600
John Buckle	March 31-April27	Geologist	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	28@$500 = $14000
Jesse Smith	June 1-15	camp labourer/ core cutter	drove from Smithers in/out	1 night in/out in hotel; rest in camp	15@$180 = $2700
Desmond Hawkins	June 2-5	camp labourer – driller after	Flight from Dease Lake	camp	4@$180= $720
Beauford	June 2-13	camp labourer/	Flight from	camp	12@$180

Dennis		core cutter	Dease Lake		= $2160
William Woods	June 5- 13	camp labourer/ core cutter	Flight from Dease Lake	camp	9@$180= $1620
Teresa Gough	May 31- June 27	Camp management/ communications	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	28@$480 = 13440
Kelly Wasylow	May 31- June 27	Camp cook	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	28@$300 = $8400
Paul Hoffman	May 31- June 27	camp labourer/ core cutter	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	28@$180 = $5040
Farshad Shirvani	May 31- June 8	Supervision/Geo logist	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	9@ $600= $5400
Erik Ostensoe	May 31- June 27	Geologist	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	28@$600 = $16800
Krystle Milligan	July 28 - Aug 26, plus 2 weeks office	Junior Geologist	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	42@$480 = $20160
Teresa Gough	July 28- Aug 13	Camp Manager	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	16@$480 = $7680
Paul Hoffman	July 28- Aug 26	camp labourer/ core cutter	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	30@$180 = $5400
Patrick Martins	July 28- Aug 17	camp labourer/ core cutter	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	20@$180 = $3600
Josh Lundstrom	July 28- Aug 17	camp labourer/ core cutter	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	20@$180 = $3600
Lauri Brocke	Aug 17-26	camp labourer/ core cutter	Flight from Dease Lake	camp	9@$180= $1620
William Woods	July 28- Aug 18	camp labourer/ core cutter	Flight from Dease Lake	camp	21@$180 = $3780
Jennifer Godbout	Aug 19 - Aug 26	Cook	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	8@$400= $2400
Stacy Palanica	July 28- Aug 19	Cook	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	22@$300 = $6600
Erik Ostensoe	Aug 14- Aug26	Chief geologist	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	12@$600 = $7200
Paul Hoffman	Nov 28- Dec11	camp labourer/ core cutter	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	14@$180 = $2520
Kelly Wasylow	Nov 28- Dec20	Camp Coordinator	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	23@$300 = $6900
Jeff Auston	Nov 28- Dec20	camp labourer/ core cutter	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	23@$220 = $5060
Krystle	Nov 28-	Junior Geologist	Flight from/to	1 night in/out in	23@$480

Milligan	Dec20		Vancouver	hotel; rest in camp	= $11040
Desmond Hawkins	Nov 28-Dec19	camp labourer/ core cutter	Flight from Dease Lake	camp	22@$180 = $3960
Dennis Murray	Dec 02-Dec19	camp labourer/ core cutter	Flight from Dease Lake	camp	18@$180 = $3240
Lauri Brocke	Nov 28-Dec20	camp labourer/ core cutter	Flight from Dease Lake	camp	23@$200 = $4600
Jennifer Godbout	Nov 28-Dec15	Cook	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	18@$400 = $7200
Robert Hall	Dec 04-Dec19	Camp manager/ Expediting	Flight from/to Vancouver	1 night in/out in hotel; rest in camp	15@$600 = $9000
Luise Levesque	Dec 14-Dec19	Cook	Flight from/to Whitehorse	Camp	6@$400= $2400
Wilford Hawkins	Nov 29-Dec01	camp labourer then driller	Flight from Dease Lake	camp	3@$180= $540

Appendix 1

Certificates of Analysis

SMI13000441
VA14064174
VA14064175
VA14063806
VA14066930
VA14066849
SMI14000331
SMI14000338
SMI14000339
SMI14000345
SMI14000342
SMI14000535
WHI14000117
SMI14000536
WHI14000142
VA14140192
SMI14000566
SMI14000603
SMI14000934
SMI14000935

Acme Analytical Laboratories (Vancouver) Ltd.
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PHONE (604) 253-3158

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Client: **Terracad Geoscience**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Erik Ostensoe
Receiving Lab: Canada-Smithers
Received: December 02, 2013
Report Date: December 24, 2013
Page: 1 of 7

CERTIFICATE OF ANALYSIS SMI13000441.1

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 165

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	162	Crush, split and pulverize 250 g rock to 200 mesh			SMI
ASSAY2	165	lead collection fire-assay fusion -AAS finish + 7AR	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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

ADDITIONAL COMMENTS

Invoice To: Terracad Geoscience
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Erik Ostensoe

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. 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.

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Terracad Geoscience**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

CERTIFICATE OF ANALYSIS SMI13000441.1

	Method	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
	Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
	Unit	kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
2327148	Drill Core	2.34	0.041	<2	<0.001	0.043	<0.01	<0.01	<0.001	0.003	0.15	6.47	<0.01	0.003	<0.001	<0.001	<0.01	2.33	0.119	<0.001	0.86
2327149	Drill Core	1.45	1.061	11	<0.001	1.432	<0.01	0.01	0.006	0.035	0.14	39.40	<0.01	0.002	<0.001	<0.001	<0.01	5.96	0.027	<0.001	0.42
2327150	Drill Core	1.48	7.491	30	<0.001	3.524	<0.01	0.02	0.016	0.080	0.14	33.28	<0.01	0.001	<0.001	<0.001	<0.01	2.77	0.040	<0.001	0.77
2327151	Drill Core	0.74	3.263	8	<0.001	0.577	<0.01	<0.01	0.004	0.010	0.15	9.70	<0.01	0.002	<0.001	<0.001	<0.01	2.75	0.111	0.007	1.42
2327152	Drill Core	6.33	0.024	<2	<0.001	0.021	<0.01	<0.01	0.003	0.003	0.11	5.51	<0.01	0.002	<0.001	<0.001	<0.01	2.70	0.067	0.007	1.79
2327153	Drill Core	8.41	0.030	<2	<0.001	0.022	<0.01	<0.01	0.003	0.003	0.10	5.37	<0.01	0.002	<0.001	<0.001	<0.01	2.39	0.072	0.007	1.89
2327154	Drill Core	8.86	0.034	<2	<0.001	0.032	<0.01	<0.01	0.004	0.002	0.07	5.42	<0.01	0.002	<0.001	<0.001	<0.01	2.34	0.115	0.013	2.18
2327155	Drill Core	9.30	0.073	<2	<0.001	0.042	<0.01	<0.01	0.004	0.002	0.08	5.93	<0.01	0.002	<0.001	<0.001	<0.01	1.66	0.063	0.009	2.14
2327156	Drill Core	9.03	0.062	<2	<0.001	0.017	<0.01	<0.01	0.004	0.003	0.06	6.21	<0.01	0.002	<0.001	<0.001	<0.01	2.26	0.093	0.009	2.02
2327157	Drill Core	9.94	0.025	<2	<0.001	0.007	<0.01	<0.01	0.003	0.001	0.06	5.20	<0.01	0.003	<0.001	<0.001	<0.01	2.74	0.067	0.007	2.07
2327158	Drill Core	8.95	0.021	<2	<0.001	0.005	<0.01	<0.01	0.003	0.001	0.09	5.98	<0.01	0.002	<0.001	<0.001	<0.01	2.90	0.068	0.007	2.26
2327159	Drill Core	8.27	0.072	<2	<0.001	0.003	<0.01	<0.01	0.002	0.001	0.10	5.54	<0.01	0.002	<0.001	<0.001	<0.01	2.49	0.082	0.006	2.00
2327160	Drill Core	8.46	0.092	<2	0.001	0.028	0.01	0.01	0.002	0.003	0.12	5.87	<0.01	0.002	<0.001	<0.001	<0.01	2.93	0.106	0.002	1.78
2327161	Drill Core	6.22	0.080	<2	<0.001	0.015	<0.01	<0.01	0.002	0.003	0.06	4.90	<0.01	0.003	<0.001	<0.001	<0.01	2.94	0.116	0.002	1.35
2327162	Drill Core	10.51	0.057	<2	<0.001	0.011	<0.01	<0.01	0.002	0.001	0.05	4.81	<0.01	0.002	<0.001	<0.001	<0.01	2.86	0.109	0.003	1.61
2327163	Drill Core	8.22	0.039	<2	<0.001	0.005	<0.01	<0.01	0.002	0.002	0.06	4.49	<0.01	0.004	<0.001	<0.001	<0.01	3.35	0.104	0.002	1.48
2327164	Drill Core	8.15	0.032	<2	<0.001	0.003	<0.01	<0.01	0.002	<0.001	0.04	3.46	<0.01	0.004	<0.001	<0.001	<0.01	2.91	0.094	0.004	1.35
2327165	Drill Core	9.33	0.512	<2	<0.001	0.015	<0.01	<0.01	0.003	0.002	0.05	4.83	<0.01	0.002	<0.001	<0.001	<0.01	3.80	0.092	0.007	1.78
2327166	Drill Core	7.50	0.054	<2	<0.001	0.009	<0.01	<0.01	0.002	<0.001	0.05	3.95	<0.01	0.004	<0.001	<0.001	<0.01	3.81	0.087	0.004	1.42
2327167	Drill Core	8.10	0.035	<2	<0.001	0.011	<0.01	<0.01	0.003	0.001	0.05	4.15	<0.01	0.005	<0.001	<0.001	<0.01	3.40	0.093	0.008	1.49
2327168	Drill Core	8.54	0.093	<2	<0.001	0.012	<0.01	<0.01	0.003	0.002	0.13	6.13	<0.01	0.003	<0.001	<0.001	<0.01	3.17	0.070	0.009	1.96
2327169	Drill Core	2.62	0.827	<2	<0.001	0.065	<0.01	<0.01	0.001	0.005	0.15	8.66	<0.01	0.004	<0.001	<0.001	<0.01	1.96	0.130	0.002	1.49
2327170	Drill Core	4.05	0.063	<2	<0.001	0.086	<0.01	<0.01	0.010	0.020	0.12	10.78	<0.01	0.006	<0.001	<0.001	<0.01	3.18	0.053	0.007	2.20
2327171	Drill Core	7.91	0.049	<2	<0.001	0.045	<0.01	<0.01	0.004	0.009	0.10	7.40	<0.01	0.003	<0.001	<0.001	<0.01	1.94	0.059	0.010	2.25
2327172	Drill Core	8.90	0.197	<2	<0.001	0.261	<0.01	<0.01	0.010	0.054	0.11	13.05	<0.01	0.006	<0.001	<0.001	<0.01	3.04	0.064	0.009	2.32
2327173	Drill Core	7.58	0.044	<2	<0.001	0.011	<0.01	<0.01	0.003	0.004	0.10	5.61	<0.01	0.008	<0.001	<0.001	<0.01	3.68	0.067	0.007	1.95
2327174	Drill Core	8.90	0.027	<2	<0.001	0.007	<0.01	<0.01	0.002	0.002	0.06	3.43	<0.01	0.004	<0.001	<0.001	<0.01	3.50	0.098	0.002	1.31
2327175	Drill Core	8.53	0.023	<2	<0.001	0.020	<0.01	<0.01	0.002	0.003	0.07	5.46	<0.01	0.004	<0.001	<0.001	<0.01	3.10	0.075	0.005	1.92
2327176	Drill Core	7.89	0.116	<2	<0.001	0.018	<0.01	<0.01	0.003	0.001	0.05	4.91	<0.01	0.003	<0.001	<0.001	<0.01	2.96	0.079	0.006	1.71
2327177	Drill Core	8.75	0.094	<2	<0.001	0.033	<0.01	<0.01	0.003	0.004	0.06	5.48	<0.01	0.004	<0.001	<0.001	<0.01	3.52	0.051	0.008	1.84

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Client: **Terracad Geoscience**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

CERTIFICATE OF ANALYSIS SMI13000441.1

	Method	7AR	7AR	7AR	7AR	7AR	7AR
	Analyte	Al	Na	K	W	Hg	S
	Unit	%	%	%	%	%	%
	MDL	0.01	0.01	0.01	0.001	0.001	0.05
2327148	Drill Core	2.68	0.06	0.09	<0.001	<0.001	0.19
2327149	Drill Core	0.78	0.02	0.04	0.003	<0.001	4.43
2327150	Drill Core	1.37	0.03	0.04	0.001	<0.001	9.54
2327151	Drill Core	2.58	0.05	0.10	<0.001	<0.001	1.50
2327152	Drill Core	2.80	0.11	0.18	<0.001	<0.001	0.44
2327153	Drill Core	2.84	0.10	0.19	<0.001	<0.001	0.39
2327154	Drill Core	2.92	0.09	0.30	<0.001	<0.001	0.29
2327155	Drill Core	2.73	0.10	0.35	<0.001	<0.001	0.47
2327156	Drill Core	2.83	0.11	0.30	<0.001	<0.001	0.88
2327157	Drill Core	3.12	0.15	0.37	<0.001	<0.001	0.20
2327158	Drill Core	3.30	0.13	0.28	<0.001	<0.001	0.22
2327159	Drill Core	3.11	0.11	0.24	<0.001	<0.001	0.09
2327160	Drill Core	3.47	0.10	0.16	<0.001	<0.001	0.22
2327161	Drill Core	3.04	0.15	0.21	<0.001	<0.001	0.57
2327162	Drill Core	2.94	0.15	0.26	<0.001	<0.001	0.24
2327163	Drill Core	3.09	0.10	0.20	<0.001	<0.001	0.28
2327164	Drill Core	2.71	0.17	0.33	<0.001	<0.001	<0.05
2327165	Drill Core	3.47	0.10	0.24	<0.001	<0.001	0.30
2327166	Drill Core	3.11	0.11	0.27	<0.001	<0.001	0.12
2327167	Drill Core	3.10	0.14	0.30	<0.001	<0.001	0.24
2327168	Drill Core	3.31	0.09	0.17	<0.001	<0.001	0.27
2327169	Drill Core	3.02	0.07	0.05	<0.001	<0.001	0.87
2327170	Drill Core	3.25	0.10	0.20	<0.001	<0.001	3.52
2327171	Drill Core	3.09	0.16	0.30	<0.001	<0.001	0.80
2327172	Drill Core	3.33	0.12	0.21	<0.001	<0.001	6.01
2327173	Drill Core	3.12	0.15	0.27	<0.001	<0.001	0.48
2327174	Drill Core	3.09	0.10	0.22	<0.001	<0.001	0.16
2327175	Drill Core	3.25	0.13	0.30	<0.001	<0.001	0.32
2327176	Drill Core	2.87	0.18	0.28	<0.001	<0.001	0.18
2327177	Drill Core	3.38	0.18	0.27	<0.001	<0.001	0.38

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Project: Hat
Report Date: December 24, 2013

CERTIFICATE OF ANALYSIS SMI13000441.1

		Method	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
		Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
		Unit	kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		MDL	0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
2327178	Drill Core		9.19	0.156	<2	<0.001	0.048	<0.01	<0.01	0.003	0.001	0.05	4.97	<0.01	0.004	<0.001	<0.001	<0.01	2.78	0.055	0.008	1.89
2327179	Drill Core		7.40	0.051	<2	<0.001	0.048	<0.01	<0.01	0.003	0.012	0.07	7.22	<0.01	0.004	<0.001	<0.001	<0.01	2.44	0.092	0.007	1.97
2327180	Drill Core		9.04	0.065	<2	<0.001	0.092	<0.01	<0.01	0.002	0.016	0.09	7.20	<0.01	0.004	<0.001	<0.001	<0.01	2.49	0.098	0.004	1.55
2327181	Drill Core		9.89	0.017	<2	<0.001	0.013	<0.01	<0.01	0.003	0.003	0.04	4.18	<0.01	0.005	<0.001	<0.001	<0.01	2.94	0.085	0.007	1.46
2327182	Drill Core		9.26	0.037	<2	<0.001	0.030	<0.01	<0.01	0.003	0.004	0.04	5.63	<0.01	0.006	<0.001	<0.001	<0.01	2.67	0.095	0.006	1.73
2327183	Drill Core		4.75	0.054	<2	<0.001	0.035	<0.01	<0.01	0.002	0.002	0.04	4.82	<0.01	0.007	<0.001	<0.001	<0.01	3.03	0.075	0.005	1.71
2327184	Drill Core		1.14	0.077	<2	0.006	0.090	<0.01	<0.01	0.008	0.028	0.07	19.43	<0.01	0.002	<0.001	<0.001	<0.01	2.47	0.048	0.007	1.92
2327185	Drill Core		7.53	0.026	<2	<0.001	0.011	<0.01	<0.01	0.003	0.002	0.04	4.85	<0.01	0.006	<0.001	<0.001	<0.01	3.30	0.066	0.006	1.82
2327186	Drill Core		5.72	0.016	<2	<0.001	0.016	<0.01	<0.01	0.003	0.008	0.06	5.68	<0.01	0.003	<0.001	<0.001	<0.01	2.27	0.050	0.008	1.75
2327187	Drill Core		7.44	0.048	<2	<0.001	0.063	<0.01	<0.01	0.004	0.006	0.07	7.40	<0.01	0.008	<0.001	<0.001	<0.01	3.30	0.040	0.009	1.72
2327189	Drill Core		9.14	0.029	<2	<0.001	0.034	<0.01	<0.01	0.005	0.005	0.03	4.55	<0.01	0.009	<0.001	<0.001	<0.01	2.79	0.124	0.006	1.60
2327190	Drill Core		7.65	0.024	<2	<0.001	0.016	<0.01	<0.01	0.003	0.002	0.04	6.10	<0.01	0.008	<0.001	<0.001	<0.01	3.00	0.089	0.006	1.56
2327191	Drill Core		7.55	0.069	<2	<0.001	0.068	<0.01	<0.01	0.003	0.008	0.05	6.39	<0.01	0.003	<0.001	<0.001	<0.01	2.75	0.083	0.009	1.42
2327192	Drill Core		9.78	0.078	<2	<0.001	0.021	<0.01	<0.01	0.002	0.002	0.03	4.24	<0.01	0.006	<0.001	<0.001	<0.01	2.50	0.086	0.006	1.27
2327193	Drill Core		9.46	0.178	<2	<0.001	0.023	<0.01	<0.01	0.001	0.005	0.04	6.19	<0.01	0.004	<0.001	<0.001	<0.01	2.78	0.101	0.002	1.25
2327194	Drill Core		9.06	0.060	<2	0.001	0.032	<0.01	<0.01	0.002	0.006	0.05	8.66	<0.01	0.005	<0.001	<0.001	<0.01	2.82	0.100	0.002	1.32
2327195	Rock Pulp		0.09	1.441	31	0.040	0.300	<0.01	<0.01	0.002	<0.001	0.04	2.33	<0.01	0.024	<0.001	0.008	<0.01	1.18	0.035	0.003	0.14
2327196	Drill Core		6.52	0.035	<2	<0.001	0.019	<0.01	<0.01	<0.001	0.002	0.10	5.53	<0.01	0.004	<0.001	<0.001	<0.01	2.77	0.121	<0.001	0.81
2327197	Drill Core		5.31	0.055	<2	<0.001	0.084	<0.01	<0.01	<0.001	0.004	0.12	6.39	<0.01	0.003	<0.001	<0.001	<0.01	3.82	0.114	<0.001	1.01
2327198	Drill Core		9.00	0.043	<2	<0.001	0.051	<0.01	<0.01	0.003	0.015	0.17	9.85	<0.01	0.003	<0.001	<0.001	<0.01	2.36	0.097	0.003	1.52
2327199	Drill Core		8.08	0.084	<2	<0.001	0.085	<0.01	<0.01	0.003	0.021	0.15	8.93	<0.01	0.001	<0.001	<0.001	<0.01	2.08	0.092	0.005	1.55
2327200	Drill Core		6.74	0.036	<2	<0.001	0.021	<0.01	<0.01	0.003	0.009	0.14	7.52	<0.01	0.003	<0.001	<0.001	<0.01	2.96	0.081	0.006	1.82
2327201	Drill Core		4.68	0.013	<2	<0.001	0.005	<0.01	<0.01	0.004	0.011	0.16	7.99	<0.01	0.005	<0.001	<0.001	<0.01	2.58	0.072	0.011	2.17
2327202	Drill Core		3.59	0.029	<2	<0.001	0.010	<0.01	<0.01	0.005	0.011	0.08	5.00	<0.01	0.003	<0.001	<0.001	<0.01	4.76	0.086	0.005	1.23
2327203	Drill Core		9.42	0.035	<2	<0.001	0.032	<0.01	<0.01	0.001	0.008	0.09	4.72	<0.01	0.003	<0.001	<0.001	<0.01	3.07	0.102	0.003	0.94
2327204	Drill Core		5.77	0.047	<2	<0.001	0.073	<0.01	<0.01	0.001	0.011	0.11	5.85	<0.01	0.003	<0.001	<0.001	<0.01	2.70	0.118	0.003	1.05
2327205	Drill Core		6.90	0.155	<2	<0.001	0.158	<0.01	0.01	0.001	0.008	0.14	6.07	<0.01	0.003	<0.001	<0.001	<0.01	3.06	0.142	0.002	1.14
2327206	Drill Core		4.61	0.295	<2	<0.001	0.436	<0.01	0.01	0.001	0.006	0.09	5.37	<0.01	0.004	<0.001	<0.001	<0.01	3.44	0.094	0.002	1.09
2327207	Drill Core		5.71	0.145	5	<0.001	0.631	<0.01	0.05	0.002	0.011	0.15	6.71	<0.01	0.007	<0.001	<0.001	<0.01	3.55	0.044	0.001	1.35
2327208	Drill Core		5.32	0.037	<2	<0.001	0.054	<0.01	<0.01	<0.001	0.008	0.10	6.60	<0.01	0.007	<0.001	<0.001	<0.01	3.55	0.121	0.001	1.23

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Client: **Terracad Geoscience**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

CERTIFICATE OF ANALYSIS SMI13000441.1

		Method	7AR	7AR	7AR	7AR	7AR	7AR
		Analyte	Al	Na	K	W	Hg	S
		Unit	%	%	%	%	%	%
		MDL	0.01	0.01	0.01	0.001	0.001	0.05
2327178	Drill Core		2.95	0.14	0.30	<0.001	<0.001	0.25
2327179	Drill Core		2.92	0.11	0.19	<0.001	<0.001	1.61
2327180	Drill Core		2.89	0.12	0.14	<0.001	<0.001	1.89
2327181	Drill Core		2.85	0.15	0.25	<0.001	<0.001	0.43
2327182	Drill Core		2.95	0.19	0.26	<0.001	<0.001	0.50
2327183	Drill Core		3.27	0.16	0.31	<0.001	<0.001	0.32
2327184	Drill Core		3.02	0.07	0.24	0.002	<0.001	4.70
2327185	Drill Core		3.38	0.14	0.31	<0.001	<0.001	0.27
2327186	Drill Core		2.68	0.12	0.24	<0.001	<0.001	0.68
2327187	Drill Core		3.03	0.12	0.21	<0.001	<0.001	0.91
2327189	Drill Core		3.31	0.20	0.38	<0.001	<0.001	0.84
2327190	Drill Core		2.93	0.17	0.28	<0.001	<0.001	0.23
2327191	Drill Core		2.88	0.07	0.10	<0.001	<0.001	1.17
2327192	Drill Core		2.55	0.19	0.28	<0.001	<0.001	0.38
2327193	Drill Core		2.81	0.09	0.16	<0.001	<0.001	0.43
2327194	Drill Core		2.95	0.16	0.15	<0.001	<0.001	0.40
2327195	Rock Pulp		0.38	0.04	0.22	<0.001	<0.001	1.04
2327196	Drill Core		2.61	0.07	0.09	<0.001	<0.001	0.12
2327197	Drill Core		2.72	0.04	0.06	<0.001	<0.001	0.33
2327198	Drill Core		2.88	0.10	0.14	<0.001	<0.001	1.06
2327199	Drill Core		2.71	0.09	0.16	<0.001	<0.001	1.37
2327200	Drill Core		2.94	0.08	0.15	<0.001	<0.001	0.63
2327201	Drill Core		3.19	0.09	0.18	<0.001	<0.001	1.10
2327202	Drill Core		3.41	0.08	0.11	<0.001	<0.001	1.25
2327203	Drill Core		2.76	0.11	0.12	<0.001	<0.001	0.72
2327204	Drill Core		2.61	0.12	0.15	<0.001	<0.001	1.32
2327205	Drill Core		2.93	0.08	0.11	<0.001	<0.001	1.12
2327206	Drill Core		3.14	0.11	0.16	<0.001	<0.001	1.48
2327207	Drill Core		3.37	0.10	0.19	<0.001	<0.001	1.75
2327208	Drill Core		3.18	0.15	0.16	<0.001	<0.001	1.11

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	Method	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
	Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
	Unit	kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
2327209	Drill Core	4.81	0.031	<2	<0.001	0.036	<0.01	<0.01	0.001	0.018	0.10	7.09	<0.01	0.005	<0.001	<0.001	<0.01	3.53	0.153	<0.001	1.09
2327210	Drill Core	7.24	0.017	<2	<0.001	0.036	<0.01	<0.01	<0.001	0.005	0.16	5.63	<0.01	0.007	<0.001	<0.001	<0.01	4.36	0.151	<0.001	1.11
2327211	Drill Core	7.80	0.100	<2	0.002	0.104	<0.01	<0.01	0.002	0.015	0.12	10.90	<0.01	0.004	<0.001	<0.001	<0.01	3.38	0.141	<0.001	1.50
2327212	Drill Core	7.42	0.201	<2	0.002	0.224	<0.01	<0.01	0.001	0.008	0.05	7.14	<0.01	0.007	<0.001	<0.001	<0.01	3.31	0.110	0.001	1.10
2327213	Drill Core	9.05	0.105	<2	0.002	0.098	<0.01	<0.01	0.001	0.008	0.03	5.66	<0.01	0.006	<0.001	<0.001	<0.01	2.64	0.106	<0.001	0.87
2327214	Drill Core	6.61	0.048	<2	0.001	0.041	<0.01	<0.01	<0.001	0.005	0.04	4.13	<0.01	0.008	<0.001	<0.001	<0.01	3.31	0.105	<0.001	0.97
2327215	Drill Core	7.14	0.070	<2	<0.001	0.065	<0.01	<0.01	0.001	0.007	0.04	4.51	<0.01	0.005	<0.001	<0.001	<0.01	3.28	0.106	<0.001	0.97
2327216	Drill Core	1.46	0.059	<2	0.003	0.069	<0.01	<0.01	0.003	0.037	0.14	15.32	<0.01	0.004	<0.001	<0.001	<0.01	4.31	0.116	<0.001	1.30
2327217	Drill Core	7.44	0.024	<2	<0.001	0.025	<0.01	<0.01	<0.001	0.006	0.10	4.59	<0.01	0.009	<0.001	<0.001	<0.01	3.56	0.110	<0.001	1.19
2327218	Drill Core	6.91	0.042	<2	<0.001	0.035	<0.01	<0.01	<0.001	0.002	0.07	3.83	<0.01	0.007	<0.001	<0.001	<0.01	3.29	0.109	0.002	1.05
2327219	Drill Core	7.03	0.276	<2	0.004	0.281	<0.01	<0.01	0.003	0.012	0.08	11.12	<0.01	0.004	<0.001	<0.001	<0.01	2.99	0.097	<0.001	1.15
2327220	Rock Pulp	0.09	1.420	34	0.039	0.299	<0.01	<0.01	0.002	<0.001	0.04	2.38	<0.01	0.026	<0.001	0.007	<0.01	1.18	0.035	0.003	0.15
2327221	Drill Core	5.60	0.131	<2	<0.001	0.169	<0.01	<0.01	0.001	0.008	0.15	5.63	<0.01	0.005	<0.001	<0.001	<0.01	3.47	0.112	0.001	1.11
2327222	Drill Core	8.33	0.149	<2	<0.001	0.123	<0.01	<0.01	<0.001	0.004	0.15	5.25	<0.01	0.005	<0.001	<0.001	<0.01	3.00	0.116	0.002	1.51
2327223	Drill Core	6.21	0.081	<2	<0.001	0.105	<0.01	<0.01	0.001	0.010	0.19	6.21	<0.01	0.003	<0.001	<0.001	<0.01	2.82	0.128	0.002	1.53
2327224	Drill Core	5.22	0.226	<2	<0.001	0.051	<0.01	<0.01	0.001	0.007	0.17	6.00	<0.01	0.003	<0.001	<0.001	<0.01	2.66	0.124	0.002	1.54
2327225	Drill Core	5.02	0.088	<2	<0.001	0.085	<0.01	<0.01	<0.001	0.004	0.10	5.44	<0.01	0.006	<0.001	<0.001	<0.01	3.25	0.138	0.002	1.38
2327226	Drill Core	0.93	0.079	<2	<0.001	0.087	<0.01	<0.01	<0.001	0.004	0.08	4.87	<0.01	0.005	<0.001	<0.001	<0.01	2.94	0.142	0.002	1.43
2327227	Drill Core	7.10	0.112	<2	<0.001	0.144	<0.01	<0.01	0.001	0.002	0.10	7.11	<0.01	0.004	<0.001	<0.001	<0.01	3.73	0.123	0.004	1.48
2327228	Drill Core	7.22	0.043	<2	<0.001	0.019	<0.01	<0.01	0.001	0.002	0.10	7.83	<0.01	0.005	<0.001	<0.001	<0.01	3.02	0.114	0.005	1.47
2327229	Drill Core	6.43	0.073	<2	<0.001	0.105	<0.01	<0.01	0.001	0.004	0.08	6.02	<0.01	0.005	<0.001	<0.001	<0.01	3.66	0.145	0.004	1.61
2327230	Drill Core	6.19	0.469	2	<0.001	0.561	<0.01	<0.01	0.002	0.016	0.09	11.04	<0.01	0.004	<0.001	<0.001	<0.01	2.48	0.113	0.004	1.54
2327231	Drill Core	7.85	0.068	<2	<0.001	0.060	<0.01	<0.01	0.002	0.005	0.04	7.30	<0.01	0.004	<0.001	<0.001	<0.01	2.78	0.105	0.005	1.41
2327232	Drill Core	9.23	0.110	<2	<0.001	0.123	<0.01	<0.01	0.002	0.006	0.06	7.19	<0.01	0.006	<0.001	<0.001	<0.01	3.78	0.091	0.008	1.46
2327233	Drill Core	7.10	0.206	<2	0.001	0.224	<0.01	<0.01	0.003	0.022	0.07	9.77	<0.01	0.005	<0.001	<0.001	<0.01	2.79	0.096	0.008	1.68
2327234	Drill Core	5.82	0.156	3	0.002	0.624	<0.01	0.04	0.003	0.018	0.12	7.10	<0.01	0.008	<0.001	<0.001	<0.01	3.00	0.098	0.004	1.24
2327235	Drill Core	5.80	0.108	<2	<0.001	0.166	<0.01	0.04	0.002	0.009	0.15	6.76	<0.01	0.009	<0.001	<0.001	<0.01	2.74	0.130	0.003	1.45
2327236	Drill Core	7.25	0.496	5	<0.001	0.975	<0.01	0.02	0.003	0.018	0.12	8.23	<0.01	0.007	<0.001	<0.001	<0.01	2.44	0.171	0.002	1.31
2327237	Drill Core	5.85	1.795	11	<0.001	2.970	<0.01	0.04	0.007	0.027	0.11	11.53	<0.01	0.004	<0.001	<0.001	<0.01	1.53	0.189	0.004	1.13
2327238	Drill Core	6.06	0.049	<2	0.002	0.193	<0.01	<0.01	0.006	0.008	0.11	7.52	<0.01	0.011	<0.001	<0.001	<0.01	4.49	0.230	0.020	3.71

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Project: Hat
Report Date: December 24, 2013

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		Method	7AR	7AR	7AR	7AR	7AR	7AR
		Analyte	Al	Na	K	W	Hg	S
		Unit	%	%	%	%	%	%
		MDL	0.01	0.01	0.01	0.001	0.001	0.05
2327209	Drill Core		2.83	0.14	0.15	<0.001	<0.001	2.41
2327210	Drill Core		3.08	0.07	0.10	<0.001	<0.001	0.44
2327211	Drill Core		3.22	0.09	0.12	<0.001	<0.001	3.68
2327212	Drill Core		2.82	0.15	0.14	<0.001	<0.001	2.81
2327213	Drill Core		2.32	0.17	0.12	<0.001	<0.001	2.85
2327214	Drill Core		2.78	0.15	0.12	<0.001	<0.001	1.33
2327215	Drill Core		2.82	0.14	0.13	<0.001	<0.001	1.55
2327216	Drill Core		3.04	0.07	0.06	<0.001	<0.001	5.17
2327217	Drill Core		3.46	0.17	0.12	<0.001	<0.001	0.58
2327218	Drill Core		3.06	0.17	0.13	<0.001	<0.001	0.40
2327219	Drill Core		2.76	0.15	0.15	<0.001	<0.001	5.47
2327220	Rock Pulp		0.42	0.04	0.22	<0.001	<0.001	1.03
2327221	Drill Core		2.71	0.07	0.11	<0.001	<0.001	0.95
2327222	Drill Core		3.14	0.18	0.16	<0.001	<0.001	0.59
2327223	Drill Core		3.12	0.10	0.12	<0.001	<0.001	1.13
2327224	Drill Core		2.94	0.11	0.14	<0.001	<0.001	0.91
2327225	Drill Core		3.08	0.13	0.16	<0.001	<0.001	0.62
2327226	Drill Core		2.95	0.13	0.17	<0.001	<0.001	0.48
2327227	Drill Core		3.34	0.07	0.11	<0.001	<0.001	0.47
2327228	Drill Core		2.98	0.06	0.09	<0.001	<0.001	0.33
2327229	Drill Core		3.26	0.09	0.22	<0.001	<0.001	0.54
2327230	Drill Core		2.65	0.13	0.16	<0.001	<0.001	2.80
2327231	Drill Core		2.55	0.10	0.15	<0.001	<0.001	0.77
2327232	Drill Core		2.62	0.09	0.14	<0.001	<0.001	0.99
2327233	Drill Core		2.72	0.12	0.14	<0.001	<0.001	2.40
2327234	Drill Core		2.32	0.08	0.09	<0.001	<0.001	1.54
2327235	Drill Core		2.58	0.07	0.11	<0.001	<0.001	0.64
2327236	Drill Core		2.61	0.07	0.11	<0.001	<0.001	2.35
2327237	Drill Core		2.20	0.05	0.11	<0.001	<0.001	4.77
2327238	Drill Core		2.72	0.04	0.07	<0.001	<0.001	0.60

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Client: **Terracad Geoscience**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

CERTIFICATE OF ANALYSIS SMI13000441.1

		Method	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
		Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
		Unit	kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		MDL	0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
2327239	Drill Core		5.62	0.169	<2	0.013	0.303	<0.01	<0.01	0.003	0.020	0.08	7.54	<0.01	0.005	<0.001	<0.001	<0.01	3.16	0.102	0.003	1.52
2327240	Drill Core		6.36	0.037	<2	<0.001	0.041	<0.01	<0.01	0.006	0.006	0.10	6.38	<0.01	0.010	<0.001	<0.001	<0.01	5.63	0.191	0.023	3.52
2327241	Drill Core		6.18	0.012	<2	<0.001	0.025	<0.01	<0.01	0.006	0.002	0.11	6.08	<0.01	0.013	<0.001	<0.001	<0.01	6.09	0.245	0.024	4.48
2327242	Drill Core		7.29	0.011	<2	<0.001	0.010	<0.01	<0.01	0.006	0.002	0.10	5.70	<0.01	0.018	<0.001	<0.001	<0.01	5.34	0.280	0.024	3.87
2327243	Drill Core		7.68	0.018	<2	<0.001	0.031	<0.01	<0.01	0.006	0.003	0.10	5.66	<0.01	0.012	<0.001	<0.001	<0.01	5.39	0.234	0.024	3.69
2327244	Drill Core		7.40	0.105	<2	<0.001	0.132	<0.01	<0.01	0.005	0.006	0.10	6.19	<0.01	0.008	<0.001	<0.001	<0.01	3.82	0.160	0.018	3.01
2327245	Drill Core		7.90	0.052	<2	<0.001	0.055	<0.01	<0.01	0.002	0.006	0.08	6.37	<0.01	0.011	<0.001	<0.001	<0.01	3.30	0.088	0.006	1.39
2327246	Drill Core		7.61	0.012	<2	<0.001	0.034	<0.01	<0.01	0.002	0.002	0.10	5.32	<0.01	0.007	<0.001	<0.001	<0.01	2.70	0.082	0.005	1.39
2327247	Drill Core		7.91	0.055	<2	<0.001	0.037	<0.01	<0.01	<0.001	<0.001	0.05	4.31	<0.01	0.004	<0.001	<0.001	<0.01	2.81	0.131	<0.001	0.91
2327248	Drill Core		6.80	0.022	<2	<0.001	0.034	<0.01	<0.01	<0.001	0.001	0.09	4.71	<0.01	0.006	<0.001	<0.001	<0.01	1.84	0.151	<0.001	0.95
2327249	Drill Core		7.71	0.016	<2	<0.001	0.026	<0.01	<0.01	<0.001	0.002	0.09	5.25	<0.01	0.006	<0.001	<0.001	<0.01	2.37	0.157	<0.001	1.36
2327250	Drill Core		7.17	0.025	<2	<0.001	0.022	<0.01	<0.01	<0.001	0.001	0.05	3.89	<0.01	0.005	<0.001	<0.001	<0.01	3.46	0.129	<0.001	1.09
2327251	Drill Core		6.11	0.021	<2	<0.001	0.046	<0.01	<0.01	<0.001	0.003	0.06	5.54	<0.01	0.005	<0.001	<0.001	<0.01	3.09	0.111	0.002	1.38
2327252	Drill Core		7.93	0.018	<2	<0.001	0.047	<0.01	<0.01	<0.001	0.007	0.06	4.30	<0.01	0.004	<0.001	<0.001	<0.01	2.79	0.099	<0.001	1.33
2327253	Drill Core		9.22	0.060	<2	<0.001	0.076	<0.01	<0.01	0.002	0.006	0.06	6.51	<0.01	0.004	<0.001	<0.001	<0.01	2.66	0.118	0.004	1.36
2327254	Drill Core		8.53	0.018	<2	<0.001	0.022	<0.01	<0.01	0.001	0.003	0.05	5.73	<0.01	0.005	<0.001	<0.001	<0.01	2.87	0.140	0.005	1.44
2327255	Drill Core		7.65	0.016	<2	<0.001	0.026	<0.01	<0.01	<0.001	0.003	0.08	4.60	<0.01	0.004	<0.001	<0.001	<0.01	2.80	0.113	0.002	1.39
2327256	Drill Core		8.25	0.042	<2	<0.001	0.055	<0.01	<0.01	<0.001	0.009	0.10	5.80	<0.01	0.008	<0.001	<0.001	<0.01	2.41	0.111	0.002	1.55
2327257	Drill Core		6.68	0.033	<2	<0.001	0.037	<0.01	<0.01	0.001	0.002	0.07	5.04	<0.01	0.005	<0.001	<0.001	<0.01	3.25	0.149	0.005	1.36
2327258	Drill Core		8.27	0.155	<2	<0.001	0.191	<0.01	<0.01	0.001	0.018	0.08	6.09	<0.01	0.013	<0.001	<0.001	<0.01	3.37	0.088	<0.001	1.32
2327259	Drill Core		6.36	0.060	<2	<0.001	0.096	<0.01	<0.01	<0.001	0.004	0.08	5.37	<0.01	0.004	<0.001	<0.001	<0.01	2.80	0.123	0.002	1.36
2327260	Drill Core		7.65	0.123	<2	<0.001	0.138	<0.01	<0.01	0.002	0.007	0.05	5.12	<0.01	0.004	<0.001	<0.001	<0.01	2.67	0.076	0.004	1.25
2327261	Drill Core		7.85	0.028	<2	<0.001	0.032	<0.01	<0.01	0.001	0.002	0.05	5.27	<0.01	0.003	<0.001	<0.001	<0.01	3.28	0.077	0.006	1.33
2327262	Drill Core		7.05	0.086	<2	<0.001	0.084	<0.01	<0.01	0.002	0.003	0.06	5.61	<0.01	0.005	<0.001	<0.001	<0.01	3.91	0.084	0.006	1.55
2327263	Drill Core		6.70	0.069	<2	<0.001	0.086	<0.01	<0.01	0.002	0.003	0.04	5.35	<0.01	0.005	<0.001	<0.001	<0.01	3.77	0.102	0.004	1.11
2327264	Drill Core		5.27	0.084	<2	<0.001	0.078	<0.01	<0.01	0.001	0.003	0.05	6.02	<0.01	0.006	<0.001	<0.001	<0.01	3.32	0.186	0.002	1.02
2327265	Drill Core		3.57	0.263	<2	<0.001	0.406	<0.01	<0.01	0.002	0.012	0.06	8.18	<0.01	0.010	<0.001	<0.001	<0.01	3.38	0.239	<0.001	0.99
2327266	Drill Core		7.72	0.295	<2	<0.001	0.338	<0.01	<0.01	0.003	0.010	0.09	9.97	<0.01	0.004	<0.001	<0.001	<0.01	3.07	0.084	0.005	1.61
2327267	Drill Core		8.43	0.100	<2	<0.001	0.090	<0.01	<0.01	0.002	0.004	0.08	6.93	<0.01	0.008	<0.001	<0.001	<0.01	2.81	0.065	0.006	1.63
2327268	Drill Core		7.57	0.221	<2	<0.001	0.204	<0.01	<0.01	0.002	0.007	0.06	6.42	<0.01	0.005	<0.001	<0.001	<0.01	3.29	0.087	0.005	1.66

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Client: **Terracad Geoscience**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

CERTIFICATE OF ANALYSIS SMI13000441.1

		Method	7AR	7AR	7AR	7AR	7AR	7AR
		Analyte	Al	Na	K	W	Hg	S
		Unit	%	%	%	%	%	%
		MDL	0.01	0.01	0.01	0.001	0.001	0.05
2327239	Drill Core		2.29	0.07	0.10	<0.001	<0.001	2.25
2327240	Drill Core		2.77	0.05	0.09	<0.001	<0.001	0.42
2327241	Drill Core		2.57	0.04	0.08	<0.001	<0.001	0.16
2327242	Drill Core		2.27	0.03	0.08	<0.001	<0.001	0.13
2327243	Drill Core		2.30	0.04	0.11	<0.001	<0.001	0.17
2327244	Drill Core		2.86	0.06	0.12	<0.001	<0.001	0.53
2327245	Drill Core		2.75	0.29	0.14	<0.001	<0.001	0.86
2327246	Drill Core		2.37	0.06	0.11	<0.001	<0.001	0.24
2327247	Drill Core		2.14	0.08	0.06	<0.001	<0.001	0.12
2327248	Drill Core		1.79	0.07	0.05	<0.001	<0.001	0.15
2327249	Drill Core		2.32	0.08	0.05	<0.001	<0.001	0.10
2327250	Drill Core		2.26	0.06	0.05	<0.001	<0.001	0.14
2327251	Drill Core		2.40	0.08	0.11	<0.001	<0.001	0.30
2327252	Drill Core		2.49	0.07	0.09	<0.001	<0.001	0.54
2327253	Drill Core		2.30	0.08	0.17	<0.001	<0.001	0.90
2327254	Drill Core		2.41	0.11	0.21	<0.001	<0.001	0.41
2327255	Drill Core		2.83	0.08	0.09	<0.001	<0.001	0.33
2327256	Drill Core		2.39	0.06	0.09	<0.001	<0.001	1.39
2327257	Drill Core		2.52	0.05	0.11	<0.001	<0.001	0.29
2327258	Drill Core		2.63	0.05	0.08	<0.001	<0.001	1.28
2327259	Drill Core		2.06	0.07	0.07	<0.001	<0.001	0.52
2327260	Drill Core		2.43	0.07	0.16	<0.001	<0.001	0.71
2327261	Drill Core		2.43	0.06	0.19	<0.001	<0.001	0.11
2327262	Drill Core		2.55	0.06	0.14	<0.001	<0.001	0.30
2327263	Drill Core		2.42	0.07	0.14	<0.001	<0.001	0.45
2327264	Drill Core		2.58	0.11	0.09	<0.001	<0.001	0.42
2327265	Drill Core		2.59	0.17	0.14	<0.001	<0.001	1.48
2327266	Drill Core		2.84	0.07	0.11	<0.001	<0.001	1.47
2327267	Drill Core		2.46	0.08	0.11	<0.001	<0.001	0.36
2327268	Drill Core		3.00	0.07	0.13	<0.001	<0.001	0.81

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		Method	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
		Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
		Unit	kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		MDL	0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
2327269	Drill Core		9.17	0.111	<2	<0.001	0.134	<0.01	<0.01	0.003	0.005	0.06	6.07	<0.01	0.004	<0.001	<0.001	<0.01	3.38	0.127	0.009	1.58
2327270	Drill Core		10.67	0.137	<2	<0.001	0.117	<0.01	<0.01	0.005	0.006	0.04	4.65	<0.01	0.006	<0.001	<0.001	<0.01	2.89	0.173	0.018	1.46
2327271	Drill Core		4.62	2.446	<2	<0.001	0.664	<0.01	<0.01	0.003	0.007	0.09	9.02	<0.01	0.013	<0.001	<0.001	<0.01	2.99	0.060	0.007	1.52
2327272	Drill Core		8.96	0.137	<2	<0.001	0.269	<0.01	<0.01	0.007	0.005	0.07	7.57	<0.01	0.004	<0.001	<0.001	<0.01	2.50	0.059	0.026	2.33
2327273	Drill Core		6.23	0.084	<2	<0.001	0.101	<0.01	<0.01	0.005	0.004	0.06	6.34	<0.01	0.005	<0.001	<0.001	<0.01	3.06	0.117	0.014	1.80
2327274	Drill Core		7.45	0.025	<2	<0.001	0.023	<0.01	<0.01	0.011	0.003	0.06	5.52	<0.01	0.005	<0.001	<0.001	<0.01	2.51	0.083	0.040	2.82
2327275	Drill Core		6.83	0.121	<2	<0.001	0.101	<0.01	<0.01	0.009	0.005	0.08	7.13	<0.01	0.010	<0.001	<0.001	<0.01	3.39	0.138	0.013	2.81
2327276	Drill Core		6.27	0.115	<2	0.007	0.157	<0.01	<0.01	0.004	0.008	0.06	6.33	<0.01	0.006	<0.001	<0.001	<0.01	2.74	0.174	0.006	1.71
2327277	Drill Core		6.60	0.085	<2	<0.001	0.079	<0.01	<0.01	0.025	0.005	0.09	8.32	<0.01	0.003	<0.001	<0.001	<0.01	1.91	0.097	0.023	5.15
2327278	Drill Core		5.70	1.588	<2	<0.001	0.775	<0.01	<0.01	0.007	0.026	0.13	9.03	<0.01	0.019	<0.001	<0.001	<0.01	3.14	0.138	0.006	2.06
2327279	Drill Core		6.78	0.329	<2	<0.001	0.158	<0.01	<0.01	0.002	0.008	0.07	6.54	<0.01	0.010	<0.001	<0.001	<0.01	2.61	0.060	0.007	1.62
2327280	Drill Core		5.29	0.544	<2	<0.001	0.212	<0.01	<0.01	0.003	0.003	0.08	6.05	<0.01	0.007	<0.001	<0.001	<0.01	3.09	0.076	0.007	2.08
2327281	Drill Core		11.62	0.130	<2	<0.001	0.135	<0.01	<0.01	0.004	0.005	0.07	7.09	<0.01	0.008	<0.001	<0.001	<0.01	2.71	0.075	0.016	2.05
2327282	Drill Core		7.77	0.159	<2	<0.001	0.099	<0.01	<0.01	0.004	0.005	0.06	5.60	<0.01	0.009	<0.001	<0.001	<0.01	3.41	0.110	0.007	1.59
2327283	Drill Core		7.86	0.024	<2	<0.001	0.018	<0.01	<0.01	0.002	0.002	0.03	3.07	<0.01	0.003	<0.001	<0.001	<0.01	2.95	0.090	0.006	1.08
2327284	Drill Core		7.73	0.055	<2	<0.001	0.059	<0.01	<0.01	0.004	0.006	0.04	4.29	<0.01	0.004	<0.001	<0.001	<0.01	2.17	0.127	0.007	1.22
2327285	Drill Core		8.13	0.013	<2	<0.001	0.007	<0.01	<0.01	0.008	0.001	0.06	4.09	<0.01	0.004	<0.001	<0.001	<0.01	2.00	0.087	0.025	2.17
2327286	Drill Core		7.97	0.015	<2	<0.001	0.008	<0.01	<0.01	0.004	0.002	0.07	5.00	<0.01	0.008	<0.001	<0.001	<0.01	3.23	0.075	0.009	1.91
2327287	Drill Core		8.99	0.021	<2	<0.001	0.008	<0.01	0.01	0.004	0.002	0.05	4.67	<0.01	0.009	<0.001	<0.001	<0.01	2.72	0.062	0.012	1.82
2327288	Drill Core		7.16	0.073	<2	<0.001	0.043	<0.01	<0.01	0.005	0.004	0.08	7.79	<0.01	0.013	<0.001	<0.001	<0.01	2.43	0.078	0.011	1.89
2327289	Drill Core		8.40	0.068	<2	<0.001	0.126	<0.01	<0.01	0.004	0.004	0.06	5.35	<0.01	0.008	<0.001	<0.001	<0.01	2.96	0.070	0.014	1.52
2327290	Drill Core		2.53	0.288	<2	<0.001	0.125	<0.01	<0.01	0.007	0.046	0.05	10.00	<0.01	0.013	<0.001	<0.001	<0.01	1.96	0.070	0.008	1.20
2327291	Drill Core		3.19	0.056	<2	<0.001	0.098	<0.01	<0.01	0.003	0.003	0.03	5.57	<0.01	0.006	<0.001	<0.001	<0.01	2.27	0.094	0.009	1.06
2327292	Drill Core		6.97	0.175	<2	<0.001	0.324	<0.01	<0.01	0.003	0.005	0.04	6.69	<0.01	0.003	<0.001	<0.001	<0.01	2.47	0.101	0.008	1.10
2327293	Drill Core		5.68	1.086	<2	<0.001	1.457	<0.01	<0.01	0.009	0.020	0.05	14.89	<0.01	0.034	<0.001	<0.001	<0.01	1.90	0.084	0.015	1.13
2327294	Rock Pulp		0.09	1.412	32	0.041	0.301	<0.01	<0.01	0.002	<0.001	0.04	2.41	<0.01	0.026	<0.001	0.008	<0.01	1.20	0.036	0.003	0.15
2327295	Drill Core		5.71	0.543	<2	<0.001	0.838	<0.01	<0.01	0.005	0.010	0.06	13.35	<0.01	0.003	<0.001	<0.001	<0.01	2.61	0.114	0.010	1.27
2327296	Drill Core		8.85	0.835	<2	<0.001	0.925	<0.01	<0.01	0.006	0.020	0.05	14.64	<0.01	0.004	<0.001	<0.001	<0.01	2.61	0.094	0.005	1.14
2327297	Drill Core		9.99	0.491	<2	<0.001	0.561	<0.01	<0.01	0.004	0.008	0.04	10.79	<0.01	0.002	<0.001	<0.001	<0.01	2.54	0.104	0.007	1.05
2327298	Drill Core		7.31	0.347	<2	<0.001	0.374	<0.01	<0.01	0.004	0.008	0.05	8.28	<0.01	0.007	<0.001	<0.001	<0.01	2.70	0.094	0.006	1.23

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Client: **Terracad Geoscience**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

CERTIFICATE OF ANALYSIS SMI13000441.1

Method		7AR	7AR	7AR	7AR	7AR	7AR
Analyte		Al	Na	K	W	Hg	S
Unit		%	%	%	%	%	%
MDL		0.01	0.01	0.01	0.001	0.001	0.05
2327269	Drill Core	2.80	0.13	0.16	<0.001	<0.001	0.48
2327270	Drill Core	2.42	0.14	0.17	<0.001	<0.001	0.64
2327271	Drill Core	2.64	0.07	0.11	<0.001	<0.001	1.31
2327272	Drill Core	2.49	0.06	0.14	<0.001	<0.001	0.70
2327273	Drill Core	2.60	0.08	0.06	<0.001	<0.001	0.47
2327274	Drill Core	2.71	0.14	0.23	<0.001	<0.001	0.16
2327275	Drill Core	3.55	0.06	0.10	<0.001	<0.001	0.64
2327276	Drill Core	2.60	0.11	0.15	<0.001	<0.001	0.92
2327277	Drill Core	3.50	0.06	0.09	<0.001	<0.001	0.32
2327278	Drill Core	2.92	0.04	0.03	<0.001	<0.001	2.53
2327279	Drill Core	2.30	0.06	0.09	<0.001	<0.001	0.84
2327280	Drill Core	3.00	0.08	0.10	<0.001	<0.001	0.48
2327281	Drill Core	2.41	0.06	0.08	<0.001	<0.001	0.58
2327282	Drill Core	2.56	0.06	0.07	<0.001	<0.001	0.67
2327283	Drill Core	2.24	0.08	0.10	<0.001	<0.001	0.22
2327284	Drill Core	1.97	0.11	0.15	<0.001	<0.001	0.82
2327285	Drill Core	2.39	0.10	0.24	<0.001	<0.001	0.05
2327286	Drill Core	2.92	0.08	0.18	<0.001	<0.001	0.08
2327287	Drill Core	2.54	0.15	0.26	<0.001	<0.001	0.08
2327288	Drill Core	2.38	0.11	0.20	<0.001	<0.001	0.49
2327289	Drill Core	1.84	0.11	0.13	<0.001	<0.001	0.42
2327290	Drill Core	2.73	0.07	0.16	<0.001	<0.001	3.00
2327291	Drill Core	1.99	0.11	0.14	<0.001	<0.001	0.35
2327292	Drill Core	2.27	0.09	0.11	<0.001	<0.001	0.74
2327293	Drill Core	2.27	0.41	0.08	<0.001	<0.001	3.70
2327294	Rock Pulp	0.38	0.04	0.21	<0.001	<0.001	1.04
2327295	Drill Core	1.97	0.07	0.08	<0.001	<0.001	1.90
2327296	Drill Core	2.15	0.07	0.09	<0.001	<0.001	2.52
2327297	Drill Core	2.07	0.06	0.08	<0.001	<0.001	1.31
2327298	Drill Core	2.12	0.09	0.11	<0.001	<0.001	1.10

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

CERTIFICATE OF ANALYSIS SMI13000441.1

	Method	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
	Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
	Unit	kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
2327299	Drill Core	8.16	0.659	<2	<0.001	0.634	<0.01	<0.01	0.003	0.008	0.04	7.65	<0.01	0.004	<0.001	<0.001	<0.01	2.10	0.093	0.005	0.96
2327300	Drill Core	8.31	0.168	<2	<0.001	0.254	<0.01	<0.01	0.002	0.003	0.05	6.13	<0.01	0.004	<0.001	<0.001	<0.01	3.05	0.093	0.005	1.17
2327301	Drill Core	7.34	0.141	<2	<0.001	0.191	<0.01	<0.01	0.003	0.005	0.04	6.03	<0.01	0.004	<0.001	<0.001	<0.01	3.01	0.097	0.005	1.09
2327302	Drill Core	6.95	0.403	<2	<0.001	0.378	<0.01	<0.01	0.004	0.011	0.05	7.74	<0.01	0.005	<0.001	<0.001	<0.01	2.78	0.103	0.005	1.35
2327303	Drill Core	7.55	0.290	<2	0.002	0.496	<0.01	<0.01	0.006	0.013	0.05	11.18	<0.01	0.008	<0.001	<0.001	<0.01	2.63	0.129	0.005	1.21
2327304	Drill Core	6.79	0.468	<2	<0.001	0.544	<0.01	<0.01	0.008	0.018	0.08	11.36	<0.01	0.012	<0.001	<0.001	<0.01	4.43	0.102	0.004	1.33
2327305	Drill Core	8.99	0.310	<2	<0.001	0.415	<0.01	<0.01	0.004	0.004	0.05	7.45	<0.01	0.004	<0.001	<0.001	<0.01	3.81	0.084	0.003	1.25
2327306	Drill Core	6.84	0.125	<2	<0.001	0.207	<0.01	<0.01	0.004	0.004	0.06	8.20	<0.01	0.004	<0.001	<0.001	<0.01	2.81	0.078	0.003	1.32
2327307	Drill Core	4.35	0.196	<2	<0.001	0.308	<0.01	<0.01	0.008	0.022	0.07	15.48	<0.01	0.004	<0.001	<0.001	<0.01	3.59	0.099	0.002	1.38
2327308	Drill Core	6.97	0.101	<2	<0.001	0.150	<0.01	<0.01	0.004	0.006	0.07	8.57	<0.01	0.012	<0.001	<0.001	<0.01	3.68	0.078	0.003	1.55
2327309	Drill Core	5.87	0.211	<2	<0.001	0.195	<0.01	<0.01	0.003	0.004	0.05	8.00	<0.01	0.014	<0.001	<0.001	<0.01	3.05	0.120	0.005	1.50
2327310	Drill Core	6.95	0.093	<2	<0.001	0.126	<0.01	<0.01	0.003	0.004	0.05	6.36	<0.01	0.015	<0.001	<0.001	<0.01	3.20	0.139	0.004	1.33
2327311	Drill Core	6.46	0.108	<2	<0.001	0.147	<0.01	<0.01	0.007	0.003	0.04	6.46	<0.01	0.007	<0.001	<0.001	<0.01	3.12	0.127	0.009	1.83
2327312	Drill Core	6.88	0.089	<2	<0.001	0.137	<0.01	<0.01	0.008	0.004	0.04	6.07	<0.01	0.009	<0.001	<0.001	<0.01	3.10	0.166	0.006	1.76
2327313	Rock	1.21	0.418	<2	<0.001	0.421	<0.01	0.01	0.008	0.003	0.04	3.10	<0.01	0.003	<0.001	<0.001	<0.01	1.34	0.121	0.007	1.02

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

CERTIFICATE OF ANALYSIS SMI13000441.1

Method		7AR	7AR	7AR	7AR	7AR	7AR
Analyte		Al	Na	K	W	Hg	S
Unit		%	%	%	%	%	%
MDL		0.01	0.01	0.01	0.001	0.001	0.05
2327299	Drill Core	1.90	0.09	0.13	<0.001	<0.001	1.43
2327300	Drill Core	2.40	0.09	0.12	<0.001	<0.001	0.53
2327301	Drill Core	2.54	0.12	0.16	<0.001	<0.001	0.60
2327302	Drill Core	2.41	0.10	0.14	<0.001	<0.001	1.18
2327303	Drill Core	2.08	0.09	0.10	<0.001	<0.001	1.55
2327304	Drill Core	2.66	0.06	0.08	<0.001	<0.001	2.44
2327305	Drill Core	3.16	0.08	0.13	<0.001	<0.001	0.85
2327306	Drill Core	2.64	0.13	0.20	<0.001	<0.001	0.56
2327307	Drill Core	2.73	0.06	0.07	<0.001	<0.001	1.80
2327308	Drill Core	3.13	0.12	0.15	<0.001	<0.001	0.64
2327309	Drill Core	2.53	0.09	0.07	<0.001	<0.001	0.68
2327310	Drill Core	2.77	0.14	0.17	<0.001	<0.001	0.68
2327311	Drill Core	2.76	0.14	0.18	<0.001	<0.001	0.39
2327312	Drill Core	2.52	0.12	0.13	<0.001	<0.001	0.61
2327313	Rock	1.46	0.14	0.23	<0.001	<0.001	0.79

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

QUALITY CONTROL REPORT SMI13000441.1

	Method	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
	Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
	Unit	kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
Pulp Duplicates																					
REP 2327152	QC		0.026																		
2327157	Drill Core	9.94	0.025	<2	<0.001	0.007	<0.01	<0.01	0.003	0.001	0.06	5.20	<0.01	0.003	<0.001	<0.001	<0.01	2.74	0.067	0.007	2.07
REP 2327157	QC			<2	<0.001	0.007	<0.01	<0.01	0.003	0.001	0.06	5.17	<0.01	0.003	<0.001	<0.001	<0.01	2.72	0.066	0.007	2.06
2327178	Drill Core	9.19	0.156	<2	<0.001	0.048	<0.01	<0.01	0.003	0.001	0.05	4.97	<0.01	0.004	<0.001	<0.001	<0.01	2.78	0.055	0.008	1.89
REP 2327178	QC		0.167																		
2327193	Drill Core	9.46	0.178	<2	<0.001	0.023	<0.01	<0.01	0.001	0.005	0.04	6.19	<0.01	0.004	<0.001	<0.001	<0.01	2.78	0.101	0.002	1.25
REP 2327193	QC			<2	<0.001	0.023	<0.01	<0.01	0.001	0.005	0.04	6.25	<0.01	0.004	<0.001	<0.001	<0.01	2.78	0.100	0.002	1.25
REP 2327228	QC		0.040	<2	<0.001	0.018	<0.01	<0.01	0.001	0.002	0.10	7.68	<0.01	0.005	<0.001	<0.001	<0.01	3.02	0.113	0.005	1.45
2327254	Drill Core	8.53	0.018	<2	<0.001	0.022	<0.01	<0.01	0.001	0.003	0.05	5.73	<0.01	0.005	<0.001	<0.001	<0.01	2.87	0.140	0.005	1.44
REP 2327254	QC		0.018																		
2327264	Drill Core	5.27	0.084	<2	<0.001	0.078	<0.01	<0.01	0.001	0.003	0.05	6.02	<0.01	0.006	<0.001	<0.001	<0.01	3.32	0.186	0.002	1.02
REP 2327264	QC			<2	<0.001	0.078	<0.01	<0.01	<0.001	0.002	0.05	6.02	<0.01	0.006	<0.001	<0.001	<0.01	3.35	0.185	0.002	1.02
2327299	Drill Core	8.16	0.659	<2	<0.001	0.634	<0.01	<0.01	0.003	0.008	0.04	7.65	<0.01	0.004	<0.001	<0.001	<0.01	2.10	0.093	0.005	0.96
REP 2327299	QC			<2	<0.001	0.641	<0.01	<0.01	0.003	0.008	0.04	7.82	<0.01	0.004	<0.001	<0.001	<0.01	2.10	0.094	0.005	0.93
Core Reject Duplicates																					
2327152	Drill Core	6.33	0.024	<2	<0.001	0.021	<0.01	<0.01	0.003	0.003	0.11	5.51	<0.01	0.002	<0.001	<0.001	<0.01	2.70	0.067	0.007	1.79
DUP 2327152	QC		0.025	<2	<0.001	0.023	<0.01	<0.01	0.003	0.003	0.12	5.55	<0.01	0.002	<0.001	<0.001	<0.01	2.77	0.067	0.007	1.77
2327190	Drill Core	7.65	0.024	<2	<0.001	0.016	<0.01	<0.01	0.003	0.002	0.04	6.10	<0.01	0.008	<0.001	<0.001	<0.01	3.00	0.089	0.006	1.56
DUP 2327190	QC		0.035	<2	<0.001	0.016	<0.01	<0.01	0.003	0.002	0.03	6.05	<0.01	0.008	<0.001	<0.001	<0.01	2.97	0.088	0.006	1.54
2327228	Drill Core	7.22	0.043	<2	<0.001	0.019	<0.01	<0.01	0.001	0.002	0.10	7.83	<0.01	0.005	<0.001	<0.001	<0.01	3.02	0.114	0.005	1.47
DUP 2327228	QC		0.047	<2	<0.001	0.018	<0.01	<0.01	0.001	0.002	0.10	7.71	<0.01	0.004	<0.001	<0.001	<0.01	3.04	0.114	0.005	1.46
2327266	Drill Core	7.72	0.295	<2	<0.001	0.338	<0.01	<0.01	0.003	0.010	0.09	9.97	<0.01	0.004	<0.001	<0.001	<0.01	3.07	0.084	0.005	1.61
DUP 2327266	QC		0.322	<2	<0.001	0.334	<0.01	<0.01	0.003	0.010	0.09	10.28	<0.01	0.004	<0.001	<0.001	<0.01	3.05	0.085	0.005	1.68
2327304	Drill Core	6.79	0.468	<2	<0.001	0.544	<0.01	<0.01	0.008	0.018	0.08	11.36	<0.01	0.012	<0.001	<0.001	<0.01	4.43	0.102	0.004	1.33
DUP 2327304	QC		0.425	<2	<0.001	0.510	<0.01	<0.01	0.008	0.018	0.08	11.48	<0.01	0.012	<0.001	<0.001	<0.01	4.43	0.103	0.005	1.35
Reference Materials																					
STD CDN-ME-9A	Standard			3	<0.001	0.630	<0.01	<0.01	0.873	0.016	0.07	11.51	<0.01	0.006	<0.001	<0.001	<0.01	1.37	0.058	0.014	2.76
STD CDN-ME-14A	Standard			43	0.001	1.198	0.47	2.88	0.002	0.017	0.06	17.06	<0.01	<0.001	0.009	0.002	<0.01	0.30	0.013	0.001	0.86

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Project: Hat
Report Date: December 24, 2013

QUALITY CONTROL REPORT SMI13000441.1

		Method	7AR	7AR	7AR	7AR	7AR	7AR
		Analyte	Al	Na	K	W	Hg	S
		Unit	%	%	%	%	%	%
		MDL	0.01	0.01	0.01	0.001	0.001	0.05
Pulp Duplicates								
REP 2327152	QC							
2327157	Drill Core		3.12	0.15	0.37	<0.001	<0.001	0.20
REP 2327157	QC		3.12	0.15	0.37	<0.001	<0.001	0.21
2327178	Drill Core		2.95	0.14	0.30	<0.001	<0.001	0.25
REP 2327178	QC							
2327193	Drill Core		2.81	0.09	0.16	<0.001	<0.001	0.43
REP 2327193	QC		2.84	0.09	0.16	<0.001	<0.001	0.44
REP 2327228	QC		2.95	0.07	0.09	<0.001	<0.001	0.31
2327254	Drill Core		2.41	0.11	0.21	<0.001	<0.001	0.41
REP 2327254	QC							
2327264	Drill Core		2.58	0.11	0.09	<0.001	<0.001	0.42
REP 2327264	QC		2.62	0.11	0.09	<0.001	<0.001	0.41
2327299	Drill Core		1.90	0.09	0.13	<0.001	<0.001	1.43
REP 2327299	QC		1.87	0.08	0.13	<0.001	<0.001	1.38
Core Reject Duplicates								
2327152	Drill Core		2.80	0.11	0.18	<0.001	<0.001	0.44
DUP 2327152	QC		2.77	0.10	0.17	<0.001	<0.001	0.44
2327190	Drill Core		2.93	0.17	0.28	<0.001	<0.001	0.23
DUP 2327190	QC		2.88	0.17	0.27	<0.001	<0.001	0.24
2327228	Drill Core		2.98	0.06	0.09	<0.001	<0.001	0.33
DUP 2327228	QC		2.96	0.07	0.09	<0.001	<0.001	0.30
2327266	Drill Core		2.84	0.07	0.11	<0.001	<0.001	1.47
DUP 2327266	QC		2.83	0.07	0.12	<0.001	<0.001	1.60
2327304	Drill Core		2.66	0.06	0.08	<0.001	<0.001	2.44
DUP 2327304	QC		2.68	0.06	0.08	<0.001	<0.001	2.41
Reference Materials								
STD CDN-ME-9A	Standard		2.17	0.32	0.19	<0.001	<0.001	3.41
STD CDN-ME-14A	Standard		1.13	0.03	0.37	0.005	<0.001	16.25

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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

Client: **Terracad Geoscience**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

QUALITY CONTROL REPORT SMI13000441.1

		WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
		Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
		kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
STD CDN-ME-9A	Standard			3	<0.001	0.635	<0.01	<0.01	0.870	0.016	0.07	11.40	<0.01	0.006	<0.001	<0.001	<0.01	1.32	0.057	0.014	2.76
STD CDN-ME-14A	Standard			43	0.002	1.203	0.48	2.90	0.002	0.017	0.06	17.20	0.01	<0.001	0.009	0.002	<0.01	0.29	0.013	0.001	0.88
STD CDN-ME-9A	Standard			4	<0.001	0.668	<0.01	<0.01	0.920	0.017	0.07	11.85	<0.01	0.007	<0.001	<0.001	<0.01	1.46	0.060	0.015	2.99
STD CDN-ME-14A	Standard			48	0.001	1.281	0.49	3.03	0.002	0.018	0.06	17.95	<0.01	<0.001	0.010	0.002	<0.01	0.31	0.014	0.002	0.91
STD CDN-ME-9A	Standard			4	<0.001	0.671	<0.01	<0.01	0.919	0.017	0.07	11.73	<0.01	0.006	<0.001	<0.001	<0.01	1.36	0.061	0.014	2.88
STD CDN-ME-14A	Standard			47	0.001	1.253	0.49	2.94	0.002	0.017	0.06	17.42	0.01	<0.001	0.009	0.001	<0.01	0.28	0.014	0.002	0.87
STD CDN-ME-9A	Standard			3	<0.001	0.656	<0.01	<0.01	0.890	0.017	0.07	11.76	<0.01	0.006	<0.001	<0.001	<0.01	1.36	0.060	0.014	2.82
STD CDN-ME-14A	Standard			45	0.002	1.226	0.48	2.87	0.002	0.018	0.06	17.23	0.01	<0.001	0.009	0.002	<0.01	0.29	0.014	<0.001	0.88
STD OXC109	Standard		0.196																		
STD OXC109	Standard		0.194																		
STD OXC109	Standard		0.203																		
STD OXI96	Standard		1.785																		
STD OXI96	Standard		1.819																		
STD OXI96	Standard		1.784																		
STD OXL93	Standard		5.809																		
STD OXL93	Standard		5.729																		
STD OXL93	Standard		5.947																		
STD OXC109 Expected			0.201																		
STD OXI96 Expected			1.802																		
STD OXL93 Expected			5.841																		
STD CDN-ME-9A Expected						0.654		0.01	0.912	0.017	0.067	11.7		0.0063				1.4	0.059	0.014	2.82
STD CDN-ME-14A Expected				42.3		1.221	0.495	3.1	0.002	0.0174	0.06	17.56	0.01		0.009		0.01	0.305	0.013	0.002	0.8835
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01

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Acme Analytical Laboratories (Vancouver) Ltd.
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www.acmelab.com

Client: **Terracad Geoscience**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

QUALITY CONTROL REPORT SMI13000441.1

		7AR Al % 0.01	7AR Na % 0.01	7AR K % 0.01	7AR W % 0.001	7AR Hg % 0.001	7AR S % 0.05
STD CDN-ME-9A	Standard	2.10	0.30	0.18	<0.001	<0.001	3.27
STD CDN-ME-14A	Standard	1.09	0.03	0.36	0.003	<0.001	15.97
STD CDN-ME-9A	Standard	2.38	0.35	0.19	<0.001	<0.001	3.53
STD CDN-ME-14A	Standard	1.16	0.02	0.37	<0.001	<0.001	17.03
STD CDN-ME-9A	Standard	2.23	0.31	0.18	<0.001	<0.001	3.45
STD CDN-ME-14A	Standard	1.07	0.02	0.34	<0.001	<0.001	16.71
STD CDN-ME-9A	Standard	2.15	0.30	0.18	<0.001	<0.001	3.45
STD CDN-ME-14A	Standard	1.05	0.02	0.34	0.003	<0.001	16.71
STD OXC109	Standard						
STD OXC109	Standard						
STD OXC109	Standard						
STD OXI96	Standard						
STD OXI96	Standard						
STD OXI96	Standard						
STD OXL93	Standard						
STD OXL93	Standard						
STD OXL93	Standard						
STD OXC109 Expected							
STD OXI96 Expected							
STD OXL93 Expected							
STD CDN-ME-9A Expected		2.2	0.32	0.19			3.46
STD CDN-ME-14A Expected		1.09	0.032	0.35			16.75
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank						
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05

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Project: Hat
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QUALITY CONTROL REPORT SMI13000441.1

		WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
		Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
		kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
BLK	Blank			<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01
BLK	Blank			<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01
BLK	Blank			<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01
BLK	Blank			<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01
Prep Wash																					
G1-SMI	Prep Blank		<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.06	1.84	<0.01	0.006	<0.001	<0.001	<0.01	0.55	0.073	0.001	0.59
G1-SMI	Prep Blank		<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.05	1.82	<0.01	0.006	<0.001	<0.001	<0.01	0.52	0.073	<0.001	0.56

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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: December 24, 2013

QUALITY CONTROL REPORT SMI13000441.1

		7AR Al % 0.01	7AR Na % 0.01	7AR K % 0.01	7AR W % 0.001	7AR Hg % 0.001	7AR S % 0.05
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05
Prep Wash							
G1-SMI	Prep Blank	0.95	0.08	0.49	<0.001	<0.001	<0.05
G1-SMI	Prep Blank	0.95	0.08	0.49	<0.001	<0.001	<0.05

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE VA14064174

This report is for 227 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29-APR-2014.

The following have access to data associated with this certificate:

JOHN BUCKLE	ERIK OSTENSOE	FARSHAD SHIRVANI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-34	Pulp Splitting Charge
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-ICP61a	High Grade Four Acid ICP-AES	ICP-AES

To: **TERRACAD GEOSCIENCE**
ATTN: ERIK OSTENSOE
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461649		6.24	<0.01	<1	6.57	<50	410	<10	<20	6.73	<10	40	180	70	7.13	<50
Q461650		3.34	<0.01	<1	5.91	<50	260	<10	<20	7.74	<10	50	160	300	7.54	<50
Q461701		5.16	<0.01	<1	5.80	<50	400	<10	<20	5.85	<10	50	110	260	7.11	<50
Q461702		5.64	0.04	<1	6.05	<50	210	<10	<20	6.54	<10	60	80	720	7.05	<50
Q461703		4.04	0.05	1	6.49	<50	270	<10	<20	6.67	<10	60	70	640	6.51	<50
Q461704		8.90	0.02	<1	6.54	<50	240	<10	<20	6.30	<10	60	80	760	7.33	<50
Q461705		<0.02	0.03	1	6.52	<50	240	<10	<20	6.31	<10	60	80	760	7.38	<50
Q461706		7.56	0.21	2	5.23	<50	190	<10	<20	6.24	10	160	70	4520	9.24	<50
Q461707		4.90	0.08	<1	6.57	<50	230	<10	<20	6.12	<10	50	70	890	7.67	<50
Q461708		5.26	0.10	1	5.25	<50	480	<10	<20	6.54	<10	190	40	2960	9.85	<50
Q461709		5.96	0.04	<1	6.20	<50	220	<10	<20	5.72	<10	60	40	780	8.02	<50
Q461710		5.64	0.03	<1	6.77	<50	160	<10	<20	6.99	<10	70	90	820	9.15	<50
Q461711		5.34	0.02	<1	6.47	<50	200	<10	<20	6.78	<10	70	110	590	7.40	<50
Q461712		6.20	<0.01	<1	7.49	<50	340	<10	<20	6.83	<10	30	70	100	6.71	<50
Q461713		4.80	0.11	1	6.83	60	460	<10	<20	4.35	10	800	30	1990	18.25	<50
Q461714		4.00	0.05	<1	5.51	<50	110	<10	<20	5.10	<10	120	30	1050	7.98	<50
Q461715		4.88	0.02	<1	6.23	<50	1010	<10	<20	5.84	<10	60	140	770	8.58	<50
Q461716		5.90	0.01	<1	6.20	<50	410	<10	<20	4.86	<10	80	40	320	8.45	<50
Q461717		4.36	0.08	<1	5.73	<50	1800	<10	<20	5.53	<10	140	130	2550	9.93	<50
Q461718		5.44	0.08	<1	5.10	<50	2210	<10	<20	4.44	<10	130	50	1840	7.94	<50
Q461719		5.48	<0.01	1	5.70	<50	1720	<10	<20	3.73	<10	20	<10	180	6.11	<50
Q461720		5.12	0.01	<1	4.33	<50	1150	<10	<20	3.83	<10	20	<10	210	6.13	<50
Q461864		<0.02	0.01	<1	4.92	<50	1160	<10	<20	3.83	<10	20	<10	210	6.16	<50
Q461721		5.46	0.14	<1	7.07	<50	1460	<10	<20	5.22	<10	110	70	3710	9.81	<50
Q461722		5.06	0.01	<1	6.48	<50	1490	<10	<20	7.97	<10	40	210	720	6.68	<50
Q461723		4.90	<0.01	<1	5.99	<50	2150	<10	<20	8.29	<10	40	290	160	6.61	<50
Q461724		4.00	<0.01	1	5.68	<50	1180	<10	<20	8.48	<10	40	280	490	6.89	<50
Q461725		5.16	0.10	1	7.52	<50	310	<10	<20	6.00	<10	140	40	2560	8.92	<50
Q461726		5.80	0.17	<1	6.86	<50	110	<10	<20	5.54	<10	60	10	1790	8.23	<50
Q461727		4.80	0.03	<1	6.72	<50	260	<10	<20	6.39	<10	60	40	1040	6.92	<50
Q461728		4.14	0.04	<1	5.93	<50	190	<10	<20	4.89	<10	40	<10	930	6.39	<50
Q461729		3.52	0.04	<1	7.02	<50	210	<10	<20	6.63	<10	90	40	830	7.92	<50
Q461730		3.52	0.03	<1	7.37	<50	190	<10	<20	7.56	<10	70	100	250	8.55	<50
Q461731		4.16	0.04	<1	7.07	<50	110	<10	<20	7.93	<10	50	80	820	7.46	<50
Q461732		4.06	0.07	<1	6.84	<50	180	<10	<20	6.83	<10	110	70	870	8.23	<50
Q461733		5.08	0.04	<1	6.72	<50	240	<10	<20	6.89	<10	40	100	810	7.06	<50
Q461734		5.44	0.24	1	6.63	<50	130	<10	<20	6.76	<10	100	140	3280	9.36	<50
Q461735		4.74	0.02	<1	6.68	<50	240	<10	<20	6.86	<10	40	150	260	7.62	<50
Q461736		5.50	0.02	<1	6.53	<50	270	<10	<20	7.17	<10	40	170	390	6.93	<50
Q461737		5.52	0.52	<1	6.67	<50	80	<10	<20	7.51	<10	90	240	2150	9.51	<50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461649		0.8	<50	3.67	1740	<10	2.26	60	1010	<20	0.19	<50	30	250	<50	0.43
Q461650		0.6	<50	3.37	2310	<10	2.08	60	840	<20	0.22	<50	30	320	<50	0.43
Q461701		0.8	<50	3.46	1260	<10	2.43	40	840	<20	0.24	<50	20	360	<50	0.45
Q461702		0.6	<50	3.07	940	<10	2.51	30	990	<20	0.48	<50	20	370	<50	0.47
Q461703		0.7	<50	2.81	880	<10	2.60	40	1050	20	0.61	<50	20	440	<50	0.48
Q461704		0.7	<50	2.95	1120	<10	2.68	30	960	20	0.64	<50	20	380	<50	0.48
Q461705		0.7	<50	2.95	1120	<10	2.76	30	970	<20	0.67	<50	20	390	<50	0.48
Q461706		0.5	<50	2.63	1220	<10	2.43	50	950	30	2.08	<50	20	420	<50	0.44
Q461707		0.7	<50	3.06	1190	<10	2.78	30	960	<20	0.72	<50	20	460	<50	0.48
Q461708		0.9	<50	2.31	1360	<10	1.99	30	1100	<20	2.49	<50	10	670	<50	0.44
Q461709		0.6	<50	2.49	1320	<10	2.72	20	1170	<20	0.52	<50	10	410	<50	0.48
Q461710		0.6	<50	3.44	1470	<10	2.17	30	780	<20	0.62	<50	30	410	<50	0.45
Q461711		0.5	<50	3.33	1080	<10	2.50	50	890	<20	0.80	<50	20	350	<50	0.45
Q461712		0.7	<50	3.00	1080	<10	2.66	20	1030	20	0.13	<50	20	490	<50	0.51
Q461713		1.0	<50	2.54	3300	<10	1.09	40	1950	30	5.13	<50	10	410	<50	0.49
Q461714		0.2	<50	2.01	1970	<10	3.28	20	1190	<20	0.80	<50	10	390	<50	0.40
Q461715		1.2	<50	3.43	1680	<10	2.23	30	850	<20	0.39	<50	30	440	<50	0.44
Q461716		0.5	<50	2.46	1670	<10	3.31	20	1010	<20	0.67	<50	20	320	<50	0.41
Q461717		2.6	<50	3.49	1630	<10	1.21	40	990	<20	0.99	<50	30	440	<50	0.43
Q461718		2.2	<50	2.11	1220	<10	2.23	30	1350	<20	0.79	<50	10	330	<50	0.43
Q461719		3.1	<50	1.40	1320	<10	2.56	<10	1780	<20	0.12	<50	10	400	<50	0.38
Q461720		2.1	<50	1.37	1450	<10	3.06	<10	1720	<20	0.19	<50	10	370	<50	0.37
Q461864		2.5	<50	1.43	1440	<10	3.00	<10	1800	<20	0.20	<50	10	380	<50	0.37
Q461721		2.0	<50	2.92	1510	<10	1.85	20	1220	<20	1.49	<50	20	520	<50	0.40
Q461722		2.1	<50	3.74	1200	<10	1.48	60	2200	<20	0.23	<50	30	860	<50	0.63
Q461723		3.6	<50	4.13	970	<10	0.53	70	2460	<20	0.05	<50	30	780	<50	0.64
Q461724		2.4	<50	3.95	1210	<10	0.73	50	2270	<20	0.12	<50	30	400	<50	0.61
Q461725		0.5	<50	2.98	1290	<10	3.14	30	730	<20	0.92	<50	30	370	<50	0.44
Q461726		0.2	<50	2.20	1490	10	3.68	10	1080	40	0.59	<50	20	520	<50	0.40
Q461727		0.5	<50	2.19	1210	<10	3.20	20	1300	30	0.44	<50	20	350	<50	0.41
Q461728		0.5	<50	1.73	590	<10	4.00	<10	1080	<20	0.38	<50	20	310	<50	0.37
Q461729		0.5	<50	2.69	1220	<10	2.86	30	760	<20	0.60	<50	20	330	<50	0.37
Q461730		0.5	<50	2.84	1450	<10	2.26	60	770	<20	0.65	<50	20	330	<50	0.43
Q461731		0.3	<50	3.14	1400	<10	2.27	40	710	<20	0.53	<50	30	290	<50	0.46
Q461732		0.5	<50	3.03	1190	<10	2.67	60	780	<20	0.99	<50	20	410	<50	0.48
Q461733		0.5	<50	3.29	1340	<10	2.53	30	760	<20	0.33	<50	30	380	<50	0.49
Q461734		0.3	<50	3.79	2400	<10	2.54	70	770	<20	1.38	<50	30	280	<50	0.47
Q461735		0.5	<50	3.79	2110	<10	2.50	50	780	<20	0.22	<50	30	390	<50	0.48
Q461736		0.5	<50	4.17	1420	<10	2.56	60	1000	<20	0.22	<50	30	280	<50	0.42
Q461737		0.2	<50	4.11	1830	<10	2.26	60	800	<20	0.83	<50	30	570	<50	0.43

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	50	50	10	50	20
Q461649		<50	<50	250	<50	100
Q461650		<50	<50	260	<50	140
Q461701		<50	<50	270	<50	150
Q461702		<50	<50	290	<50	70
Q461703		<50	<50	280	<50	70
Q461704		<50	<50	270	<50	100
Q461705		<50	<50	270	<50	110
Q461706		<50	<50	280	<50	2110
Q461707		<50	<50	270	<50	110
Q461708		<50	<50	260	<50	270
Q461709		<50	<50	270	<50	80
Q461710		<50	<50	280	<50	60
Q461711		<50	<50	280	<50	50
Q461712		<50	<50	280	<50	70
Q461713		<50	<50	340	<50	1800
Q461714		<50	<50	260	<50	90
Q461715		<50	<50	280	<50	220
Q461716		<50	<50	280	<50	90
Q461717		<50	<50	290	<50	270
Q461718		<50	<50	290	<50	80
Q461719		<50	<50	220	<50	60
Q461720		<50	<50	240	<50	60
Q461864		<50	<50	230	<50	70
Q461721		<50	<50	240	<50	70
Q461722		<50	<50	260	<50	60
Q461723		<50	<50	260	<50	60
Q461724		<50	<50	250	<50	60
Q461725		<50	<50	320	<50	80
Q461726		<50	<50	310	<50	130
Q461727		<50	<50	270	<50	90
Q461728		<50	<50	280	<50	40
Q461729		<50	<50	250	<50	50
Q461730		<50	<50	270	<50	250
Q461731		<50	<50	270	<50	60
Q461732		<50	<50	310	<50	40
Q461733		<50	<50	280	<50	80
Q461734		<50	<50	280	<50	950
Q461735		<50	<50	270	<50	100
Q461736		<50	<50	250	<50	70
Q461737		<50	<50	270	<50	60

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461738		5.58	1.66	1	7.29	<50	60	<10	<20	11.50	<10	150	130	3190	9.83	<50
Q461739		5.80	1.37	<1	6.35	<50	610	<10	<20	8.06	<10	250	80	4680	11.70	<50
Q461740		4.86	0.77	<1	5.31	<50	800	<10	20	5.99	<10	220	220	6410	11.90	<50
Q461865		<0.02	0.81	1	5.41	<50	820	<10	<20	6.06	<10	220	230	6460	12.15	<50
Q461741		6.00	0.22	<1	4.96	<50	940	<10	<20	5.79	<10	80	330	3230	11.70	<50
Q461742		5.58	0.39	1	5.25	<50	990	<10	<20	5.32	<10	120	240	5630	11.55	<50
Q461743		5.44	0.85	<1	5.64	<50	990	<10	<20	5.29	<10	140	200	7280	14.75	<50
Q461744		4.82	0.28	<1	5.80	<50	140	<10	<20	3.83	10	80	10	3230	6.93	<50
Q461745		5.40	0.07	<1	6.85	<50	130	<10	<20	6.17	<10	70	10	980	7.61	<50
Q461746		4.60	0.02	<1	6.28	<50	170	<10	<20	5.00	<10	30	10	480	6.45	<50
Q461747		5.88	0.16	<1	5.63	<50	270	<10	<20	7.31	<10	140	300	2740	10.80	<50
Q461748		5.46	0.16	<1	6.63	<50	290	<10	<20	7.41	<10	70	270	1720	8.62	<50
Q461749		5.08	0.25	<1	6.66	<50	300	<10	<20	7.13	<10	40	110	1130	6.93	<50
Q461750		2.16	1.02	<1	5.82	<50	220	<10	<20	6.54	<10	50	260	2450	8.57	<50
Q461751		2.72	8.04	7	5.93	<50	80	<10	<20	7.67	10	60	260	42800	11.00	<50
Q461752		5.84	0.01	<1	6.02	<50	310	<10	<20	7.59	<10	50	290	210	7.61	<50
Q461753		5.02	0.06	<1	6.71	<50	300	<10	<20	8.69	<10	40	100	710	6.85	<50
Q461754		6.06	0.80	1	6.25	<50	490	<10	<20	6.01	<10	390	50	6730	10.75	<50
Q461755		5.50	0.23	<1	6.92	<50	220	<10	<20	6.40	<10	210	60	2570	9.51	<50
Q461756		5.84	0.41	<1	6.58	<50	150	<10	<20	7.27	<10	130	140	2100	8.80	<50
Q461757		4.70	0.01	<1	6.69	<50	260	<10	<20	7.52	<10	40	220	300	6.54	<50
Q461758		2.06	0.01	<1	6.36	<50	220	<10	<20	7.04	<10	40	320	160	7.55	<50
Q461759		4.06	2.22	1	5.56	210	110	<10	<20	7.49	10	100	310	7280	11.15	<50
Q461760		2.56	1.16	1	6.58	<50	<50	<10	<20	11.70	10	110	280	11800	11.20	<50
Q461866		<0.02	1.29	2	6.51	<50	<50	<10	<20	11.65	10	110	280	11800	11.20	<50
Q461761		2.24	0.01	<1	5.83	<50	230	<10	<20	8.99	<10	40	270	160	7.13	<50
Q461762		6.14	0.01	<1	6.07	<50	210	<10	<20	8.03	<10	40	310	190	7.16	<50
Q461763		4.08	<0.01	<1	6.16	<50	290	<10	<20	7.99	<10	40	340	230	6.98	<50
Q461764		7.96	0.06	<1	6.53	<50	210	<10	<20	6.86	<10	50	130	590	7.34	<50
Q461765		5.02	0.03	<1	6.46	<50	200	<10	<20	6.51	<10	60	90	310	8.00	<50
Q461766		4.90	0.02	<1	7.43	<50	240	<10	<20	7.21	<10	40	80	450	7.53	<50
Q461767		5.38	0.03	<1	7.42	<50	230	<10	<20	7.53	<10	40	80	390	7.44	<50
Q461768		5.16	<0.01	1	6.99	<50	170	<10	<20	7.52	<10	30	70	200	6.29	<50
Q461769		4.48	0.85	1	5.94	<50	140	<10	<20	5.64	<10	360	40	15600	15.50	<50
Q461770		4.88	0.04	<1	7.23	<50	230	<10	<20	7.53	<10	30	30	630	5.85	<50
Q461771		6.12	0.01	<1	7.77	<50	260	<10	<20	7.58	<10	30	20	300	7.09	<50
Q461772		4.76	0.09	<1	6.92	<50	110	<10	<20	8.41	<10	50	60	1160	8.14	<50
Q461773		3.18	0.02	<1	7.23	<50	180	<10	<20	8.19	<10	30	60	380	5.30	<50
Q461774		2.06	0.03	<1	6.86	<50	110	<10	<20	7.98	<10	30	60	500	6.08	<50
Q461775		2.18	1.20	5	5.76	90	120	<10	<20	6.56	<10	230	50	9900	14.40	<50

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461738		0.1	<50	2.59	1790	<10	1.19	40	840	20	1.41	<50	30	1260	<50	0.36
Q461739		0.7	<50	2.67	1880	<10	1.46	50	1100	<20	2.48	<50	20	920	<50	0.36
Q461740		0.9	<50	4.26	1590	<10	1.77	80	720	<20	2.63	<50	30	440	<50	0.39
Q461865		1.0	<50	4.38	1610	<10	1.78	80	720	<20	2.66	<50	30	450	<50	0.39
Q461741		1.2	<50	5.57	1910	<10	1.36	70	660	<20	0.80	<50	40	250	<50	0.41
Q461742		1.3	<50	4.80	2020	<10	1.56	70	640	20	1.44	<50	30	260	<50	0.41
Q461743		0.9	<50	3.52	1190	<10	2.13	60	1330	<20	1.87	<50	20	380	<50	0.43
Q461744		0.4	<50	1.92	1040	<10	4.50	20	1140	<20	0.86	<50	20	380	<50	0.36
Q461745		0.3	<50	1.97	1200	<10	3.67	10	1120	<20	0.59	<50	20	670	<50	0.36
Q461746		0.4	<50	2.15	910	<10	4.01	20	1130	<20	0.19	<50	20	480	<50	0.38
Q461747		0.6	<50	5.15	1210	<10	1.84	100	480	<20	1.22	<50	40	280	<50	0.43
Q461748		0.7	<50	5.11	1120	<10	2.10	120	700	<20	0.74	<50	40	370	<50	0.43
Q461749		0.7	<50	3.17	1650	<10	2.49	50	1050	<20	0.29	<50	20	510	<50	0.42
Q461750		0.5	<50	4.57	1670	<10	2.31	80	330	<20	0.42	<50	30	420	<50	0.45
Q461751		0.3	<50	3.94	1690	<10	1.68	90	490	<20	4.82	<50	30	700	<50	0.37
Q461752		0.7	<50	5.22	1160	<10	2.03	100	700	<20	0.24	<50	40	350	<50	0.46
Q461753		0.6	<50	3.13	1370	<10	2.44	40	830	<20	0.21	<50	30	430	<50	0.49
Q461754		0.8	<50	3.49	1430	<10	2.25	120	1390	<20	3.96	<50	20	330	<50	0.43
Q461755		0.6	<50	2.78	1360	<10	2.72	40	1040	<20	1.33	<50	20	540	<50	0.50
Q461756		0.3	<50	3.30	2260	<10	2.43	60	710	20	0.82	<50	30	570	<50	0.46
Q461757		0.6	<50	4.30	1490	<10	2.32	80	720	<20	0.09	<50	30	390	<50	0.45
Q461758		0.6	<50	6.14	1450	<10	2.14	120	680	<20	0.09	<50	40	310	<50	0.46
Q461759		0.3	<50	4.41	2110	<10	1.40	100	690	<20	2.34	<50	30	600	<50	0.39
Q461760		0.1	<50	3.75	2430	<10	0.60	90	670	<20	2.04	<50	30	1220	<50	0.37
Q461866		0.1	<50	3.74	2420	<10	0.60	100	670	<20	2.05	<50	30	1220	<50	0.37
Q461761		0.6	<50	5.52	1630	<10	1.81	90	1950	<20	0.06	<50	40	330	<50	0.48
Q461762		0.5	<50	5.57	1190	<10	1.81	110	780	<20	0.12	<50	40	310	<50	0.47
Q461763		0.6	<50	6.17	1340	<10	1.79	130	890	<20	0.06	<50	40	350	<50	0.50
Q461764		0.6	<50	4.30	1000	<10	2.11	60	1040	<20	0.40	<50	30	360	<50	0.46
Q461765		0.6	<50	3.65	1080	<10	2.26	40	860	<20	0.61	<50	30	430	<50	0.52
Q461766		0.7	<50	3.68	970	<10	2.27	40	690	40	0.23	<50	30	450	<50	0.54
Q461767		0.6	<50	3.66	1120	<10	2.29	40	780	<20	0.14	<50	30	470	<50	0.55
Q461768		0.5	<50	3.50	930	<10	2.53	30	770	<20	0.09	<50	30	430	<50	0.51
Q461769		0.4	<50	2.91	1030	<10	1.96	140	1050	<20	5.63	<50	20	310	<50	0.38
Q461770		0.5	<50	3.06	1080	<10	2.47	20	1150	<20	0.18	<50	20	540	<50	0.42
Q461771		0.6	<50	2.92	740	<10	2.40	20	1000	<20	0.12	<50	20	500	<50	0.57
Q461772		0.3	<50	3.33	830	<10	2.44	30	2290	<20	0.52	<50	20	340	<50	0.41
Q461773		0.6	<50	3.35	810	<10	2.53	10	1950	<20	0.20	<50	30	450	<50	0.44
Q461774		0.4	<50	3.48	800	<10	2.46	10	2400	<20	0.17	<50	30	360	<50	0.47
Q461775		0.4	<50	3.40	1600	<10	1.77	90	1960	20	3.72	<50	20	330	<50	0.36

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461738		<50	<50	260	<50	30
Q461739		<50	<50	260	<50	50
Q461740		<50	<50	290	<50	50
Q461865		<50	<50	290	<50	60
Q461741		<50	<50	280	<50	70
Q461742		<50	<50	260	<50	120
Q461743		<50	<50	350	<50	50
Q461744		<50	<50	250	<50	880
Q461745		<50	<50	260	<50	360
Q461746		<50	<50	250	<50	30
Q461747		<50	<50	290	<50	40
Q461748		<50	<50	260	<50	40
Q461749		<50	<50	230	<50	60
Q461750		<50	<50	250	<50	130
Q461751		<50	<50	220	<50	2300
Q461752		<50	<50	270	<50	40
Q461753		<50	<50	260	<50	40
Q461754		<50	<50	320	<50	80
Q461755		<50	<50	300	<50	60
Q461756		<50	<50	270	<50	130
Q461757		<50	<50	270	<50	80
Q461758		<50	<50	260	<50	80
Q461759		<50	<50	250	<50	1890
Q461760		<50	<50	240	<50	3260
Q461866		<50	<50	240	<50	3180
Q461761		<50	<50	280	<50	110
Q461762		50	<50	300	<50	70
Q461763		<50	<50	300	<50	80
Q461764		<50	<50	310	<50	40
Q461765		<50	<50	320	<50	30
Q461766		<50	<50	310	<50	40
Q461767		<50	<50	390	<50	40
Q461768		<50	<50	340	<50	30
Q461769		<50	<50	330	<50	40
Q461770		<50	<50	230	<50	40
Q461771		<50	<50	310	<50	30
Q461772		<50	<50	200	<50	20
Q461773		<50	<50	200	<50	30
Q461774		<50	<50	210	<50	50
Q461775		<50	<50	330	<50	220

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461776		2.66	2.47	7	6.66	400	<50	<10	<20	7.59	10	150	40	17700	12.20	<50
Q461777		2.56	1.01	2	5.89	90	780	<10	<20	5.22	<10	190	30	8680	12.00	<50
Q461778		2.70	0.26	<1	6.40	<50	730	<10	<20	5.56	<10	80	80	4300	9.22	<50
Q461779		2.62	0.31	<1	6.70	<50	290	<10	<20	5.65	<10	120	90	3860	12.10	<50
Q461780		Not Recvd														
Q461781		2.66	0.49	1	6.63	<50	340	<10	<20	7.69	<10	140	90	8530	14.30	<50
Q461782		2.24	0.10	1	6.67	<50	130	<10	<20	8.54	<10	30	110	2070	7.24	<50
Q461783		5.54	0.15	<1	6.79	<50	260	<10	<20	6.94	<10	50	80	2170	8.89	<50
Q461784		4.42	0.07	<1	6.51	<50	210	<10	<20	6.73	<10	30	50	1130	6.96	<50
Q461785		5.20	0.15	1	6.41	<50	1100	<10	<20	5.79	<10	60	30	4430	8.37	<50
Q461786		2.70	0.77	1	6.26	<50	240	<10	<20	5.65	<10	90	80	3410	10.25	<50
Q461787		7.50	0.13	1	6.74	<50	170	<10	<20	6.26	<10	60	110	2000	11.55	<50
Q461788		5.42	0.23	<1	7.02	<50	250	<10	<20	6.19	<10	90	110	3270	10.70	<50
Q461789		5.26	0.07	<1	6.49	<50	250	<10	<20	6.49	<10	30	90	810	5.93	<50
Q461790		4.52	0.05	<1	6.64	<50	210	<10	<20	7.17	<10	50	110	850	7.08	<50
Q461791		5.10	0.06	<1	6.81	<50	140	<10	<20	7.34	<10	60	100	490	9.10	<50
Q461792		4.40	0.04	<1	6.83	<50	130	<10	<20	7.78	<10	50	120	640	7.88	<50
Q461793		4.86	0.10	<1	6.76	<50	<50	<10	<20	10.00	<10	80	110	620	8.00	<50
Q461794		4.88	0.08	<1	6.02	<50	110	<10	<20	10.00	<10	60	40	1670	7.99	<50
Q461795		4.28	0.04	<1	3.71	<50	140	<10	<20	22.1	<10	30	20	1100	5.38	<50
Q461796		4.24	0.29	<1	6.41	90	350	<10	<20	7.27	<10	140	100	4300	12.10	<50
Q461797		6.08	0.01	<1	6.57	<50	140	<10	<20	7.61	<10	30	200	280	8.43	<50
Q461798		4.82	0.02	<1	6.66	<50	140	<10	<20	6.49	<10	40	150	550	9.08	<50
Q461799		6.52	0.02	<1	6.58	<50	180	<10	<20	7.00	<10	30	170	210	7.37	<50
Q461800		4.36	0.04	<1	6.71	<50	160	<10	<20	6.72	<10	90	160	480	10.75	<50
Q461868		<0.02	0.03	<1	6.68	<50	160	<10	<20	6.71	<10	80	160	480	10.70	<50
Q461801		6.44	0.35	<1	6.39	<50	130	<10	<20	5.60	<10	40	140	500	10.15	<50
Q461802		5.38	0.05	<1	6.52	<50	190	<10	<20	6.72	<10	40	160	860	9.95	<50
Q461803		4.72	0.01	<1	6.80	<50	200	<10	<20	7.26	<10	30	110	230	7.20	<50
Q461804		5.68	0.04	<1	6.45	<50	200	<10	<20	7.60	<10	30	90	300	6.84	<50
Q461805		6.20	0.12	<1	7.02	<50	200	<10	<20	6.18	<10	60	60	1710	10.65	<50
Q461806		5.22	0.05	<1	6.77	<50	230	<10	<20	6.26	<10	50	160	740	8.33	<50
Q461807		4.68	0.03	<1	6.29	<50	220	<10	<20	8.02	<10	50	190	470	10.80	<50
Q461808		5.70	0.09	<1	7.14	<50	220	<10	<20	7.11	<10	40	100	940	12.60	<50
Q461809		5.40	0.09	<1	6.44	<50	240	<10	<20	6.57	<10	40	20	1430	8.40	<50
Q461810		5.94	0.03	<1	7.15	<50	200	<10	<20	6.67	<10	40	80	430	10.05	<50
Q461811		5.60	0.05	<1	6.95	<50	80	<10	<20	6.52	<10	20	20	710	8.21	<50
Q461812		3.84	0.05	<1	6.75	<50	90	<10	<20	5.72	<10	40	20	860	7.65	<50
Q461813		4.32	0.09	<1	6.49	<50	130	<10	<20	6.68	<10	40	70	1510	8.04	<50
Q461814		6.18	0.06	<1	6.70	<50	60	<10	<20	7.31	<10	60	90	830	10.90	<50

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461776		0.1	<50	2.08	2920	<10	2.02	90	850	<20	3.54	<50	20	730	<50	0.33
Q461777		1.2	<50	2.55	2040	<10	2.04	100	760	<20	2.78	<50	10	360	<50	0.36
Q461778		1.2	<50	2.87	1320	<10	2.32	50	720	<20	0.98	<50	20	440	<50	0.47
Q461779		0.7	<50	2.23	1010	<10	2.66	60	320	20	1.31	<50	20	380	<50	0.41
Q461780																
Q461781		0.8	<50	3.27	970	<10	1.52	60	760	<20	1.95	<50	30	350	<50	0.41
Q461782		0.5	<50	3.10	980	<10	2.40	40	160	<20	0.36	<50	30	640	<50	0.45
Q461783		0.7	<50	3.60	1000	<10	2.45	50	730	<20	0.54	<50	30	430	<50	0.48
Q461784		0.6	<50	2.47	780	<10	3.07	30	680	<20	0.28	<50	20	380	<50	0.41
Q461785		0.9	<50	2.61	830	<10	2.90	40	1150	<20	0.99	<50	20	360	<50	0.36
Q461786		0.6	<50	2.70	1280	<10	2.35	70	830	<20	0.96	<50	20	540	<50	0.44
Q461787		0.6	<50	3.46	1130	<10	2.35	60	880	<20	0.56	<50	30	370	<50	0.46
Q461788		0.7	<50	3.17	760	<10	2.80	80	680	<20	0.89	<50	30	360	<50	0.42
Q461789		0.6	<50	3.43	1010	<10	3.17	40	500	<20	0.16	<50	30	480	<50	0.43
Q461790		0.5	<50	3.72	1320	<10	2.54	50	630	<20	0.25	<50	30	420	<50	0.42
Q461791		0.4	<50	3.16	1580	<10	2.50	50	700	<20	0.32	<50	20	630	<50	0.39
Q461792		0.4	<50	3.80	1480	<10	2.39	50	900	<20	0.20	<50	30	350	<50	0.44
Q461793		0.1	<50	3.15	1630	<10	1.92	50	790	<20	0.44	<50	30	400	<50	0.43
Q461794		0.3	<50	1.43	1380	<10	2.76	30	810	<20	0.49	<50	20	330	<50	0.36
Q461795		0.4	<50	0.79	1910	<10	1.26	10	590	<20	0.20	<50	10	170	<50	0.25
Q461796		0.7	<50	2.86	1450	<10	1.95	60	900	<20	1.65	<50	30	320	<50	0.45
Q461797		0.4	<50	4.27	1260	<10	2.34	50	760	<20	0.11	<50	40	300	<50	0.44
Q461798		0.4	<50	4.14	1250	<10	2.46	50	1150	<20	0.19	<50	40	340	<50	0.41
Q461799		0.5	<50	4.44	1230	<10	2.43	60	620	<20	0.09	<50	40	310	<50	0.46
Q461800		0.4	<50	3.98	1610	<10	2.20	60	700	<20	0.57	<50	30	510	<50	0.39
Q461868		0.4	<50	3.95	1610	<10	2.20	60	580	<20	0.56	<50	30	510	<50	0.39
Q461801		0.5	<50	3.77	870	<10	2.62	50	640	<20	0.11	<50	30	290	<50	0.43
Q461802		0.6	<50	4.28	1220	<10	2.23	60	700	<20	0.19	<50	30	290	<50	0.44
Q461803		0.6	<50	3.76	1290	<10	2.52	40	720	<20	<0.05	<50	30	360	<50	0.47
Q461804		0.6	<50	3.44	1140	<10	2.32	40	580	<20	0.10	<50	30	350	<50	0.46
Q461805		0.5	<50	3.23	790	<10	2.48	40	960	<20	0.45	<50	30	320	<50	0.47
Q461806		0.5	<50	4.37	1300	<10	2.63	60	940	<20	0.18	<50	30	430	<50	0.46
Q461807		0.5	<50	4.57	1710	<10	1.65	60	910	<20	0.13	<50	40	400	<50	0.47
Q461808		0.6	<50	3.51	1520	<10	1.95	50	870	<20	0.24	<50	30	320	<50	0.64
Q461809		0.8	<50	1.93	1220	<10	2.22	30	810	<20	0.30	<50	10	390	<50	0.36
Q461810		0.6	<50	3.04	1050	<10	2.30	40	780	<20	0.25	<50	20	350	<50	0.43
Q461811		0.2	<50	2.34	580	<10	3.29	20	1320	<20	0.15	<50	20	280	<50	0.38
Q461812		0.3	<50	2.27	660	<10	3.70	20	1410	<20	0.26	<50	20	430	<50	0.40
Q461813		0.5	<50	3.21	740	<10	2.99	30	1390	<20	0.30	<50	30	290	<50	0.43
Q461814		0.2	<50	3.92	710	<10	2.21	120	1170	<20	0.42	<50	30	330	<50	0.45

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461776		<50	<50	240	<50	3260
Q461777		<50	<50	300	<50	130
Q461778		<50	<50	270	<50	50
Q461779		<50	<50	290	<50	50
Q461780						
Q461781		<50	<50	330	<50	40
Q461782		<50	<50	220	<50	20
Q461783		50	<50	260	<50	40
Q461784		<50	<50	230	<50	30
Q461785		<50	<50	260	<50	40
Q461786		<50	<50	280	<50	50
Q461787		<50	<50	350	<50	50
Q461788		<50	<50	340	<50	30
Q461789		<50	<50	240	<50	40
Q461790		<50	<50	250	<50	50
Q461791		<50	<50	270	<50	60
Q461792		<50	<50	270	<50	70
Q461793		<50	<50	240	<50	70
Q461794		<50	<50	250	<50	60
Q461795		<50	<50	200	<50	20
Q461796		<50	<50	390	<50	80
Q461797		<50	<50	300	<50	60
Q461798		<50	<50	310	<50	50
Q461799		<50	<50	260	<50	60
Q461800		<50	<50	300	<50	60
Q461868		<50	<50	290	<50	70
Q461801		<50	<50	320	<50	40
Q461802		<50	<50	320	<50	50
Q461803		<50	<50	270	<50	50
Q461804		<50	<50	250	<50	40
Q461805		<50	<50	330	<50	30
Q461806		<50	<50	270	<50	50
Q461807		<50	<50	270	<50	80
Q461808		<50	<50	430	<50	50
Q461809		<50	<50	330	<50	40
Q461810		<50	<50	400	<50	50
Q461811		<50	<50	300	<50	20
Q461812		<50	<50	300	<50	20
Q461813		<50	<50	330	<50	30
Q461814		<50	<50	520	<50	30

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461815		10.46	0.08	<1	6.05	<50	410	<10	<20	5.43	<10	70	20	610	11.05	<50
Q461816		<0.02	0.05	<1	6.21	<50	410	<10	<20	5.39	<10	60	20	610	11.00	<50
Q461817		4.90	0.08	<1	6.36	<50	90	<10	<20	4.89	<10	30	10	1670	7.43	<50
Q461818		5.20	0.15	<1	6.65	<50	80	<10	<20	6.08	<10	50	50	1940	7.30	<50
Q461819		5.18	0.11	<1	6.85	<50	100	<10	<20	5.63	<10	30	60	1240	7.33	<50
Q461820		6.12	0.06	<1	6.44	<50	70	<10	<20	7.74	<10	50	40	1130	6.92	<50
Q461870		<0.02	0.06	<1	6.83	<50	70	<10	<20	7.94	<10	60	50	1140	7.11	<50
Q461821		4.30	0.05	<1	7.04	<50	100	<10	<20	6.37	<10	30	30	710	8.16	<50
Q461822		3.54	0.04	<1	6.54	<50	130	<10	<20	6.11	<10	30	60	430	7.44	<50
Q461823		5.70	0.08	<1	6.77	<50	180	<10	<20	5.80	<10	50	80	820	7.91	<50
Q461824		5.16	0.32	<1	6.03	<50	200	<10	<20	5.19	<10	230	90	5120	12.10	<50
Q461825		5.66	0.21	<1	5.49	<50	110	<10	<20	6.47	<10	100	110	3620	18.05	<50
Q461826		6.24	0.01	1	6.78	<50	210	<10	<20	8.16	<10	30	130	200	7.82	<50
Q461827		3.94	0.02	<1	6.81	<50	210	<10	<20	7.41	<10	30	60	260	6.65	<50
Q461828		11.20	0.03	1	6.36	<50	150	<10	<20	6.35	<10	30	70	430	6.89	<50
Q461829		<0.02	0.03	<1	6.47	<50	150	<10	<20	6.39	<10	30	80	430	6.92	<50
Q461830		4.66	0.05	<1	6.52	<50	110	<10	<20	8.47	<10	50	130	410	10.60	<50
Q461831		5.30	0.01	<1	6.96	<50	190	<10	<20	8.72	<10	50	130	140	7.70	<50
Q461832		4.74	<0.01	1	6.43	<50	160	<10	<20	8.58	<10	10	30	50	6.12	<50
Q461833		4.36	0.01	1	7.11	<50	170	<10	<20	7.30	<10	40	60	270	9.38	<50
Q461834		5.48	0.01	1	6.95	<50	170	<10	<20	7.26	<10	30	80	140	9.67	<50
Q461835		4.30	<0.01	1	7.05	<50	240	<10	<20	8.90	<10	40	140	100	8.05	<50
Q461836		5.10	0.01	1	7.32	<50	230	<10	<20	8.64	<10	40	110	160	8.35	<50
Q461837		5.60	0.01	1	7.34	<50	280	<10	<20	8.58	<10	40	120	120	8.34	<50
Q461838		5.00	0.03	<1	6.89	<50	200	<10	<20	8.55	<10	40	120	500	9.63	<50
Q461839		6.10	0.01	1	7.20	<50	220	<10	<20	8.59	<10	40	120	160	9.09	<50
Q461840		5.54	0.05	<1	6.17	<50	140	<10	<20	8.54	<10	40	120	440	11.45	<50
Q461857		<0.02	0.04	<1	6.21	<50	130	<10	<20	8.56	<10	50	120	440	11.65	<50
Q461841		5.12	<0.01	1	6.49	<50	240	<10	<20	9.38	<10	40	160	60	8.60	<50
Q461842		4.32	<0.01	1	6.31	<50	130	<10	<20	8.30	<10	40	170	40	8.49	<50
Q461843		4.78	0.01	<1	6.17	<50	60	<10	<20	8.19	<10	30	170	160	7.50	<50
Q461844		4.62	0.01	1	6.15	<50	<50	<10	<20	7.19	<10	30	80	150	8.46	<50
Q461845		6.50	0.03	1	6.33	<50	100	<10	<20	6.35	<10	80	70	320	10.50	<50
Q461846		5.00	<0.01	1	6.26	<50	130	<10	<20	6.47	<10	30	70	150	8.65	<50
Q461847		2.90	0.03	1	6.81	<50	110	<10	<20	7.38	<10	20	90	70	8.44	<50
Q461848		1.52	0.01	1	6.04	<50	80	<10	<20	6.82	<10	70	150	80	16.30	<50
Q461849		1.24	<0.01	1	3.46	<50	<50	<10	<20	3.73	<10	30	200	150	38.4	<50
Q461850		7.40	0.01	<1	6.03	<50	80	<10	<20	7.77	<10	30	180	100	12.00	<50
Q461901		4.86	0.01	<1	6.25	<50	80	<10	<20	8.08	<10	30	190	120	9.52	<50
Q461902		5.00	0.02	1	6.85	<50	100	<10	<20	7.35	<10	30	80	310	12.80	<50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461815		0.6	<50	2.07	660	<10	2.81	80	1440	<20	0.43	<50	10	300	<50	0.37
Q461816		0.6	<50	2.06	660	<10	2.80	70	1320	<20	0.43	<50	10	290	<50	0.37
Q461817		0.3	<50	2.21	510	<10	3.98	30	1540	<20	0.24	<50	10	300	<50	0.40
Q461818		0.2	<50	2.21	610	<10	3.61	30	1340	<20	0.47	<50	20	330	<50	0.41
Q461819		0.3	<50	2.30	530	<10	3.60	40	1370	<20	0.24	<50	20	320	<50	0.44
Q461820		0.3	<50	2.33	640	<10	2.72	70	1290	<20	0.51	<50	20	410	<50	0.43
Q461870		0.3	<50	2.45	650	<10	2.78	70	1290	<20	0.53	<50	20	420	<50	0.44
Q461821		0.4	<50	2.67	610	<10	3.26	30	1260	<20	0.21	<50	20	260	<50	0.46
Q461822		0.4	<50	2.73	710	<10	3.05	40	1320	<20	0.14	<50	20	310	<50	0.42
Q461823		0.5	<50	2.59	940	<10	3.12	40	1350	<20	0.31	<50	20	370	<50	0.42
Q461824		0.5	<50	3.04	1090	<10	2.78	80	1390	<20	2.08	<50	20	330	<50	0.39
Q461825		0.4	<50	4.05	1030	<10	1.64	80	2280	<20	0.88	<50	30	240	<50	0.35
Q461826		0.6	<50	3.86	880	<10	2.06	50	1470	<20	0.19	<50	30	320	<50	0.44
Q461827		0.5	<50	2.24	880	<10	2.94	30	1210	<20	0.15	<50	20	440	<50	0.44
Q461828		0.5	<50	2.39	1120	<10	3.30	40	1340	<20	0.18	<50	20	380	<50	0.42
Q461829		0.5	<50	2.42	1130	<10	3.32	40	1270	<20	0.18	<50	20	380	<50	0.43
Q461830		0.4	<50	4.31	1460	<10	1.86	60	1740	<20	0.40	<50	30	380	<50	0.39
Q461831		0.5	<50	4.18	1270	<10	1.85	70	800	<20	0.26	<50	40	400	<50	0.46
Q461832		0.5	<50	2.70	760	<10	2.61	20	1250	<20	<0.05	<50	20	400	<50	0.46
Q461833		0.4	<50	3.03	880	<10	2.61	30	980	<20	0.15	<50	30	410	<50	0.43
Q461834		0.4	<50	3.48	830	<10	2.47	40	1120	<20	0.09	<50	30	350	<50	0.43
Q461835		0.5	<50	4.39	1460	<10	1.77	60	810	<20	0.17	<50	40	500	<50	0.46
Q461836		0.5	<50	4.16	1400	<10	2.03	40	960	<20	0.38	<50	40	430	<50	0.47
Q461837		0.6	<50	4.52	1420	<10	1.89	50	760	<20	0.24	<50	40	580	<50	0.49
Q461838		0.6	<50	4.04	1060	<10	1.88	50	910	<20	0.29	<50	40	450	<50	0.45
Q461839		0.5	<50	4.31	1160	<10	1.85	50	680	<20	0.09	<50	40	480	<50	0.47
Q461840		0.5	<50	4.66	1020	<10	1.67	50	1210	<20	0.21	<50	40	300	<50	0.42
Q461857		0.5	<50	4.72	1030	<10	1.70	50	1210	<20	0.23	<50	40	300	<50	0.42
Q461841		0.6	<50	4.74	1100	<10	1.43	50	460	<20	0.06	<50	40	340	<50	0.45
Q461842		0.4	<50	5.11	1130	<10	1.95	60	560	<20	<0.05	<50	40	230	<50	0.44
Q461843		0.2	<50	4.56	1050	<10	2.34	60	560	<20	0.06	<50	40	220	<50	0.44
Q461844		0.1	<50	2.78	680	<10	2.92	40	1130	<20	0.06	<50	20	230	<50	0.40
Q461845		0.3	<50	2.28	760	<10	3.03	30	1320	<20	0.49	<50	20	300	<50	0.39
Q461846		0.4	<50	2.35	780	<10	3.17	40	1230	<20	<0.05	<50	20	290	<50	0.42
Q461847		0.4	<50	2.83	760	<10	3.00	40	950	<20	0.17	<50	20	350	<50	0.42
Q461848		0.4	<50	3.86	820	<10	1.89	50	320	<20	0.30	<50	40	250	<50	0.41
Q461849		0.2	<50	2.49	740	<10	1.26	100	90	<20	0.05	<50	20	100	<50	0.32
Q461850		0.3	<50	4.49	900	<10	1.99	60	190	<20	0.05	<50	50	160	<50	0.45
Q461901		0.3	<50	4.84	910	<10	2.03	60	280	<20	0.05	<50	50	170	<50	0.46
Q461902		0.4	<50	3.31	660	<10	2.07	40	1070	<20	0.13	<50	30	220	<50	0.41

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461815		<50	<50	500	<50	30
Q461816		<50	<50	500	<50	30
Q461817		<50	<50	280	<50	20
Q461818		<50	<50	260	<50	20
Q461819		<50	<50	300	<50	20
Q461820		<50	<50	320	<50	20
Q461870		<50	<50	320	<50	20
Q461821		<50	<50	340	<50	30
Q461822		<50	<50	290	<50	30
Q461823		<50	<50	270	<50	30
Q461824		<50	<50	320	<50	30
Q461825		<50	<50	590	<50	30
Q461826		<50	<50	430	<50	40
Q461827		<50	<50	280	<50	30
Q461828		<50	<50	270	<50	30
Q461829		<50	<50	280	<50	30
Q461830		<50	<50	380	<50	40
Q461831		<50	<50	360	<50	60
Q461832		<50	<50	290	<50	20
Q461833		<50	<50	370	<50	40
Q461834		<50	<50	380	<50	30
Q461835		<50	<50	360	<50	70
Q461836		<50	<50	370	<50	60
Q461837		<50	<50	390	<50	60
Q461838		<50	<50	380	<50	30
Q461839		<50	<50	400	<50	50
Q461840		<50	<50	450	<50	30
Q461857		<50	<50	450	<50	30
Q461841		<50	<50	400	<50	40
Q461842		<50	<50	380	<50	40
Q461843		<50	<50	340	<50	40
Q461844		<50	<50	340	<50	30
Q461845		<50	<50	400	<50	30
Q461846		<50	<50	380	<50	30
Q461847		<50	<50	390	<50	30
Q461848		<50	<50	700	<50	20
Q461849		<50	<50	2030	<50	20
Q461850		<50	<50	570	<50	30
Q461901		<50	<50	460	<50	40
Q461902		<50	<50	550	<50	20

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461903		4.22	0.02	<1	6.11	<50	60	<10	<20	7.71	<10	30	130	460	16.25	<50
Q461904		5.36	0.03	1	5.68	<50	60	<10	<20	8.32	<10	40	170	570	15.10	<50
Q461905		3.64	0.10	1	6.68	<50	100	<10	<20	5.98	<10	40	90	1560	12.50	<50
Q461906		5.42	0.05	1	6.67	<50	90	<10	<20	6.26	<10	20	80	740	10.70	<50
Q461907		3.80	0.01	1	6.17	<50	130	<10	<20	8.31	<10	30	170	150	8.69	<50
Q461908		7.26	0.04	<1	6.25	<50	200	<10	<20	9.39	<10	40	180	250	8.81	<50
Q461909		6.26	0.04	1	6.15	<50	130	<10	<20	7.92	<10	50	170	840	10.65	<50
Q461910		4.86	0.02	<1	6.79	<50	150	<10	<20	7.71	<10	30	130	290	10.95	<50
Q461871		<0.02	0.03	<1	6.04	<50	140	<10	<20	7.39	<10	30	140	300	10.75	<50
Q461911		7.10	0.03	<1	6.09	<50	220	<10	<20	8.43	<10	40	160	420	9.55	<50
Q461912		4.72	0.02	<1	6.65	<50	80	<10	<20	7.60	<10	10	40	350	6.02	<50
Q461913		4.08	0.03	<1	6.48	<50	190	<10	<20	7.88	<10	30	110	360	9.14	<50
Q461914		6.70	0.01	<1	6.30	<50	260	<10	<20	9.07	<10	50	160	60	8.80	<50
Q461915		6.02	0.02	<1	6.04	<50	230	<10	<20	9.37	<10	40	150	200	9.44	<50
Q461916		6.16	0.03	<1	6.21	<50	130	<10	<20	8.51	<10	30	100	660	10.95	<50
Q461917		4.98	0.02	<1	6.71	<50	200	<10	<20	8.08	<10	20	90	200	7.72	<50
Q461918		4.76	0.02	<1	6.28	<50	70	<10	<20	8.74	<10	40	130	460	11.90	<50
Q461919		5.18	0.01	<1	6.94	<50	90	<10	<20	7.83	<10	20	50	180	6.66	<50
Q461920		6.92	0.07	<1	7.28	<50	240	<10	<20	7.19	<10	20	60	770	7.05	<50
Q461921		5.68	0.02	<1	7.35	<50	210	<10	<20	8.34	<10	30	100	340	9.09	<50
Q461922		5.44	0.07	<1	7.41	<50	110	<10	<20	6.94	<10	30	50	1860	10.05	<50
Q461923		6.88	0.02	<1	7.06	<50	200	<10	<20	9.02	<10	30	100	200	6.27	<50
Q461924		4.88	0.03	<1	6.95	<50	80	<10	<20	9.03	<10	30	90	330	6.85	<50
Q461925		5.60	0.10	<1	6.76	<50	130	<10	<20	8.13	<10	40	110	500	7.61	<50
Q461926		6.00	0.11	<1	6.86	<50	180	<10	<20	7.47	<10	40	100	330	8.73	<50
Q461927		5.76	0.05	<1	6.80	<50	180	<10	<20	7.63	<10	40	100	360	8.14	<50
Q461928		7.02	0.04	<1	6.57	<50	140	<10	<20	7.47	<10	40	100	480	9.80	<50
Q461929		5.04	0.05	<1	6.57	<50	190	<10	<20	7.70	<10	40	100	440	9.44	<50
Q461930		5.82	0.03	<1	7.14	<50	210	<10	<20	8.17	<10	40	100	240	8.40	<50
Q461872		<0.02	0.02	<1	7.06	<50	210	<10	<20	8.02	<10	40	100	240	8.34	<50
Q461931		5.96	0.05	<1	6.88	<50	170	<10	<20	7.76	<10	30	100	360	8.10	<50
Q461932		5.48	0.02	<1	6.67	<50	230	<10	<20	8.06	<10	40	100	170	8.68	<50
Q461933		7.96	0.05	<1	6.56	<50	150	<10	<20	7.96	<10	40	100	470	8.37	<50
Q461051		0.44	0.33	<1	6.31	<50	260	<10	<20	5.93	<10	50	350	3170	8.40	<50
Q461052		5.94	0.08	<1	5.51	<50	100	<10	<20	4.03	<10	30	<10	1640	6.35	<50
Q461053		10.80	0.12	<1	6.45	<50	210	<10	<20	6.01	<10	80	80	1830	9.41	<50
Q461054		4.06	0.12	<1	6.63	<50	330	<10	<20	4.95	<10	110	50	2300	10.80	<50
Q461055		6.76	0.06	<1	5.08	<50	100	<10	<20	4.31	<10	40	10	260	5.95	<50
Q461056		4.36	0.04	<1	5.78	<50	130	<10	<20	4.23	<10	30	10	620	5.91	<50
Q461057		5.56	0.09	<1	5.94	<50	390	<10	<20	6.70	<10	110	90	1830	13.50	<50

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310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461903		0.2	<50	3.47	760	<10	1.71	60	640	20	0.14	<50	30	160	<50	0.40
Q461904		0.2	<50	3.73	820	<10	1.82	60	210	<20	0.16	<50	40	240	<50	0.43
Q461905		0.3	<50	3.05	630	<10	2.99	40	1180	<20	0.34	<50	30	300	<50	0.39
Q461906		0.2	<50	2.55	480	<10	3.16	40	830	<20	0.17	<50	20	280	<50	0.43
Q461907		0.5	<50	5.19	950	<10	1.74	50	460	<20	0.07	<50	50	170	<50	0.47
Q461908		0.5	<50	5.00	1180	<10	1.44	50	430	<20	0.07	<50	50	300	<50	0.42
Q461909		0.4	<50	4.96	1310	<10	1.88	70	410	<20	0.28	<50	40	360	<50	0.47
Q461910		0.4	<50	4.41	920	<10	2.20	50	820	<20	0.05	<50	40	350	<50	0.47
Q461871		0.4	<50	4.19	880	<10	2.10	60	850	<20	0.05	<50	40	330	<50	0.45
Q461911		0.5	<50	4.44	1050	<10	1.59	40	540	<20	0.06	<50	40	350	<50	0.46
Q461912		0.2	<50	2.33	620	<10	3.41	10	1280	<20	0.05	<50	20	300	<50	0.40
Q461913		0.5	<50	4.17	970	<10	2.02	50	630	<20	0.07	<50	40	390	<50	0.50
Q461914		0.7	<50	5.03	1240	<10	1.37	50	600	<20	<0.05	<50	50	340	<50	0.55
Q461915		0.5	<50	5.08	1320	<10	1.31	40	370	<20	0.06	<50	50	360	<50	0.58
Q461916		0.4	<50	3.57	920	<10	1.61	40	960	<20	0.18	<50	30	330	<50	0.54
Q461917		0.5	<50	3.24	840	<10	2.14	30	600	<20	0.06	<50	30	430	<50	0.49
Q461918		0.2	<50	3.86	1080	<10	1.33	50	510	<20	0.12	<50	30	290	<50	0.44
Q461919		0.3	<50	2.28	830	<10	2.90	30	1310	<20	0.05	<50	20	540	<50	0.45
Q461920		0.5	<50	2.78	710	<10	2.61	30	1200	<20	0.20	<50	20	470	<50	0.41
Q461921		0.5	<50	3.35	850	<10	1.95	40	650	<20	0.08	<50	30	380	<50	0.45
Q461922		0.4	<50	2.39	810	<10	2.52	40	660	<20	0.28	<50	20	360	<50	0.58
Q461923		0.6	<50	3.66	710	<10	2.23	40	650	<20	0.10	<50	30	390	<50	0.47
Q461924		0.3	<50	3.41	800	<10	2.07	30	800	<20	0.13	<50	30	260	<50	0.50
Q461925		0.4	<50	3.86	990	<10	2.01	40	600	<20	0.24	<50	30	310	<50	0.50
Q461926		0.6	<50	4.07	1060	<10	2.07	40	690	<20	0.27	<50	40	340	<50	0.52
Q461927		0.5	<50	3.57	910	<10	2.03	30	640	<20	0.16	<50	30	330	<50	0.48
Q461928		0.5	<50	3.96	960	<10	2.01	40	710	<20	0.14	<50	40	320	<50	0.49
Q461929		0.5	<50	3.71	960	<10	1.78	30	840	<20	0.21	<50	30	370	<50	0.45
Q461930		0.6	<50	3.93	1050	<10	1.85	40	560	<20	0.05	<50	40	410	<50	0.52
Q461872		0.6	<50	3.90	1040	<10	1.84	40	570	<20	<0.05	<50	30	410	<50	0.52
Q461931		0.6	<50	3.98	1010	<10	1.83	40	640	<20	0.09	<50	40	380	<50	0.48
Q461932		0.6	<50	4.08	1170	<10	1.67	30	600	<20	<0.05	<50	40	320	<50	0.52
Q461933		0.5	<50	3.70	950	<10	1.67	40	620	<20	0.14	<50	30	360	<50	0.47
Q461051		0.5	<50	4.73	900	<10	1.89	180	1080	<20	0.57	<50	20	560	<50	0.32
Q461052		0.2	<50	1.65	430	30	4.44	20	1410	<20	0.43	<50	10	240	<50	0.35
Q461053		0.5	<50	2.95	1030	<10	2.72	60	1680	<20	0.79	<50	20	440	<50	0.39
Q461054		0.6	<50	2.78	940	<10	2.94	70	1530	<20	0.99	<50	20	420	<50	0.40
Q461055		0.2	<50	1.56	450	<10	4.30	10	1300	<20	0.26	<50	10	400	<50	0.33
Q461056		0.3	<50	1.67	400	<10	4.53	10	1360	<20	0.23	<50	10	330	<50	0.36
Q461057		0.6	<50	4.07	1010	10	1.79	90	2170	<20	1.02	<50	30	400	<50	0.34

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461903		<50	<50	690	<50	40
Q461904		<50	<50	680	<50	30
Q461905		<50	<50	480	<50	30
Q461906		<50	<50	420	<50	20
Q461907		<50	<50	420	<50	30
Q461908		<50	<50	380	<50	50
Q461909		<50	<50	460	<50	50
Q461910		<50	<50	480	<50	30
Q461871		<50	<50	440	<50	30
Q461911		<50	<50	410	<50	30
Q461912		<50	<50	240	<50	20
Q461913		<50	<50	450	<50	40
Q461914		<50	<50	440	<50	40
Q461915		<50	<50	520	<50	50
Q461916		<50	<50	530	<50	20
Q461917		<50	<50	420	<50	20
Q461918		<50	<50	610	<50	50
Q461919		<50	<50	290	<50	30
Q461920		<50	<50	290	<50	30
Q461921		<50	<50	420	<50	50
Q461922		<50	<50	380	<50	70
Q461923		<50	<50	380	<50	30
Q461924		<50	<50	380	<50	30
Q461925		<50	<50	390	<50	40
Q461926		<50	<50	430	<50	40
Q461927		<50	<50	410	<50	40
Q461928		<50	<50	460	<50	40
Q461929		<50	<50	470	<50	50
Q461930		<50	<50	420	<50	40
Q461872		<50	<50	420	<50	40
Q461931		<50	<50	370	<50	40
Q461932		<50	<50	470	<50	40
Q461933		<50	<50	400	<50	30
Q461051		<50	<50	250	<50	20
Q461052		<50	<50	230	<50	<20
Q461053		<50	<50	300	<50	30
Q461054		<50	<50	370	<50	40
Q461055		<50	<50	220	<50	30
Q461056		<50	<50	240	<50	30
Q461057		<50	<50	530	<50	40

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461058		5.56	0.05	<1	6.47	<50	360	<10	<20	6.18	<10	80	100	1520	13.90	<50
Q461059		4.94	0.10	<1	5.43	<50	260	<10	<20	6.34	<10	80	210	1510	14.65	<50
Q461060		5.10	0.08	<1	5.68	<50	80	<10	<20	6.86	<10	70	180	1200	11.95	<50
Q461061		3.38	<0.01	<1	6.39	<50	290	<10	<20	6.26	<10	50	100	100	11.25	<50
Q461062		4.10	<0.01	<1	7.13	<50	240	<10	<20	7.10	<10	40	60	50	7.82	<50
Q461063		3.70	0.03	<1	6.75	<50	160	<10	<20	6.68	<10	90	30	150	11.95	<50
Q461064		3.34	0.01	<1	6.89	<50	220	<10	<20	7.57	<10	80	40	210	9.57	<50
Q461065		4.74	0.06	<1	7.18	<50	190	<10	<20	7.18	<10	40	90	720	7.94	<50
Q461066		5.76	0.01	<1	7.42	<50	170	<10	<20	7.02	<10	50	70	180	7.00	<50
Q461067		8.44	0.04	<1	6.92	<50	110	<10	<20	7.41	<10	130	110	640	9.00	<50
Q461068		4.70	0.05	<1	6.32	<50	180	<10	<20	7.66	<10	70	150	890	9.17	<50
Q461069		4.44	0.17	<1	5.20	<50	80	<10	<20	7.98	<10	130	190	3580	12.55	<50
Q461070		2.44	0.04	<1	4.79	<50	80	<10	<20	8.10	<10	80	230	3690	10.75	<50
Q461873		<0.02	0.04	<1	4.78	<50	80	<10	<20	8.16	<10	80	240	3670	10.75	<50
Q461071		2.10	0.05	<1	6.84	<50	140	<10	<20	6.69	<10	60	30	860	8.13	<50
Q461072		3.22	0.12	<1	6.74	<50	<50	<10	<20	8.51	<10	100	30	600	7.82	<50
Q461073		5.74	0.04	<1	6.56	<50	160	<10	<20	6.71	<10	90	20	1200	8.61	<50
Q461074		3.80	0.07	<1	6.56	<50	140	<10	<20	5.07	<10	40	10	1100	7.01	<50
Q461075		4.52	0.11	<1	6.27	<50	220	<10	<20	4.93	<10	30	10	1360	6.67	<50
Q461076		4.00	0.06	<1	7.11	<50	180	<10	<20	7.28	<10	50	30	710	6.83	<50
Q461077		4.12	0.03	<1	6.89	<50	170	<10	<20	7.54	<10	50	30	700	6.80	<50
Q461078		2.86	0.05	<1	6.74	<50	210	<10	<20	7.30	<10	50	20	1290	7.33	<50
Q461079		3.16	0.40	<1	6.56	<50	150	<10	<20	6.80	<10	160	40	5700	10.20	<50
Q461080		4.10	0.12	<1	6.32	<50	140	<10	<20	7.15	<10	40	150	1480	10.80	<50
Q461081		5.92	0.15	<1	6.95	<50	220	<10	<20	6.01	<10	60	50	1870	11.75	<50
Q461082		2.02	0.21	<1	6.76	<50	110	<10	<20	6.53	<10	90	20	3030	10.20	<50
Q461083		3.10	0.85	<1	5.75	<50	150	<10	<20	5.56	<10	170	50	10250	9.04	<50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461058		0.6	<50	3.66	1050	20	1.99	70	1640	<20	0.70	<50	30	320	<50	0.35
Q461059		0.5	<50	4.76	700	<10	1.82	60	900	<20	0.76	<50	50	260	<50	0.38
Q461060		0.3	<50	4.66	720	<10	2.10	40	890	<20	0.52	<50	40	190	<50	0.39
Q461061		0.6	<50	3.89	700	<10	2.32	30	1060	<20	0.30	<50	40	460	<50	0.46
Q461062		0.7	<50	3.45	830	<10	2.31	20	1700	<20	0.24	<50	30	580	<50	0.47
Q461063		0.5	<50	3.38	820	<10	2.33	40	1240	<20	0.86	<50	30	450	<50	0.49
Q461064		0.5	<50	2.81	700	<10	2.29	30	1350	<20	0.56	<50	30	480	<50	0.46
Q461065		0.6	<50	3.72	720	<10	2.47	40	1350	<20	0.40	<50	40	470	<50	0.47
Q461066		0.6	<50	3.57	830	<10	2.53	40	1740	<20	0.39	<50	30	560	<50	0.48
Q461067		0.4	<50	4.31	790	<10	2.28	110	1460	<20	1.40	<50	40	380	<50	0.42
Q461068		0.6	<50	4.60	830	<10	1.96	50	1260	<20	0.50	<50	40	400	<50	0.41
Q461069		0.3	<50	5.25	1100	<10	1.47	50	880	<20	1.35	<50	50	310	<50	0.36
Q461070		0.3	<50	5.68	920	<10	1.59	50	670	<20	0.74	<50	50	290	<50	0.36
Q461873		0.3	<50	5.66	920	<10	1.59	50	640	<20	0.75	<50	50	290	<50	0.36
Q461071		0.6	<50	2.89	930	<10	2.59	20	1680	<20	0.43	<50	20	410	<50	0.45
Q461072		0.1	<50	2.53	1150	<10	2.28	30	1710	<20	0.56	<50	20	920	<50	0.49
Q461073		0.6	<50	2.67	1040	<10	2.57	40	1730	<20	0.59	<50	20	610	<50	0.48
Q461074		0.5	<50	2.11	440	<10	3.88	10	1230	<20	0.27	<50	20	270	<50	0.38
Q461075		0.6	<50	2.09	440	<10	3.93	10	1370	<20	0.23	<50	20	310	<50	0.38
Q461076		0.8	<50	2.95	740	<10	2.53	40	1600	<20	0.40	<50	20	420	<50	0.50
Q461077		0.7	<50	3.12	680	<10	2.48	20	1620	<20	0.41	<50	20	390	<50	0.46
Q461078		0.7	<50	3.13	700	<10	2.44	40	1450	<20	0.26	<50	20	510	<50	0.48
Q461079		0.6	<50	2.62	700	<10	2.49	90	1330	<20	1.41	<50	20	450	<50	0.40
Q461080		0.5	<50	4.54	640	<10	2.17	50	960	<20	0.28	<50	40	280	<50	0.41
Q461081		0.6	<50	2.95	500	<10	2.52	80	1320	<20	0.55	<50	30	440	<50	0.44
Q461082		0.4	<50	2.44	440	<10	2.59	90	1130	<20	0.89	<50	20	250	<50	0.43
Q461083		0.6	<50	2.66	520	<10	2.60	320	2000	<20	2.14	<50	20	370	<50	0.43

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	50	50	10	50	20
Q461058		<50	<50	500	<50	40
Q461059		<50	<50	540	<50	30
Q461060		<50	<50	440	<50	40
Q461061		<50	<50	480	<50	20
Q461062		<50	<50	430	<50	30
Q461063		<50	<50	680	<50	20
Q461064		<50	<50	510	<50	20
Q461065		<50	<50	350	<50	30
Q461066		<50	<50	440	<50	30
Q461067		<50	<50	520	<50	30
Q461068		<50	<50	480	<50	30
Q461069		<50	<50	530	<50	50
Q461070		<50	<50	370	<50	40
Q461873		<50	<50	380	<50	40
Q461071		<50	<50	430	<50	40
Q461072		<50	<50	440	<50	40
Q461073		<50	<50	470	<50	50
Q461074		<50	<50	280	<50	20
Q461075		<50	<50	290	<50	20
Q461076		<50	<50	400	<50	30
Q461077		<50	<50	390	<50	30
Q461078		<50	<50	330	<50	40
Q461079		<50	<50	370	<50	50
Q461080		<50	<50	350	<50	30
Q461081		<50	<50	420	<50	30
Q461082		<50	<50	370	<50	40
Q461083		<50	<50	290	<50	80

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064174

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au - AA26	CRU - 31	CRU - QC	LOG - 21
LOG - 21d	ME - ICP61a	PUL - 31	PUL - QC
SPL - 21	SPL - 34	WEI - 21	

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE VA14064175

This report is for 242 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29-APR-2014.

The following have access to data associated with this certificate:

JOHN BUCKLE	ERIK OSTENSOE	FARSHAD SHIRVANI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
EXTRA-01	Extra Sample received in Shipment
LOG-21d	Sample logging - ClientBarCode Dup
SPL-34	Pulp Splitting Charge
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-ICP61a	High Grade Four Acid ICP-AES	ICP-AES

To: **TERRACAD GEOSCIENCE**
ATTN: ERIK OSTENSOE
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461084		5.94	0.62	1	4.78	<50	390	<10	<20	4.99	<10	340	130	7570	19.00	<50
Q461085		4.00	0.88	1	6.54	<50	290	<10	<20	4.91	<10	150	50	9250	11.70	<50
Q461086		4.70	0.28	<1	7.01	<50	210	<10	<20	6.46	<10	90	60	4400	9.80	<50
Q461087		4.40	0.26	1	5.24	<50	90	<10	<20	6.39	<10	110	50	7890	12.90	<50
Q461088		4.08	0.72	2	5.08	<50	190	<10	<20	3.87	<10	180	40	17200	26.2	<50
Q461089		3.82	0.30	<1	5.98	<50	340	<10	<20	5.64	<10	80	60	5550	19.20	<50
Q461090		4.12	0.37	1	5.82	<50	280	<10	<20	5.56	<10	100	60	5770	17.55	<50
Q461875		<0.02	0.42	1	5.88	<50	280	<10	<20	5.57	<10	100	60	5790	17.75	<50
Q461091		4.50	0.39	<1	6.06	<50	420	<10	<20	5.61	<10	70	50	4480	17.80	<50
Q461092		3.08	0.08	<1	6.80	<50	150	<10	<20	6.35	<10	40	30	1580	10.30	<50
Q461093		5.62	0.08	<1	6.50	<50	120	<10	<20	6.56	<10	50	50	820	8.95	<50
Q461094		3.88	0.39	1	5.92	<50	150	<10	<20	6.57	<10	220	40	5270	12.00	<50
Q461095		5.80	0.23	<1	7.09	<50	140	<10	<20	7.16	<10	60	60	2050	9.18	<50
Q461096		3.30	0.08	<1	6.69	<50	180	<10	<20	6.87	<10	40	60	930	7.44	<50
Q461097		3.28	0.04	<1	6.48	<50	90	<10	<20	7.93	<10	40	60	1450	7.97	<50
Q461098		5.50	0.09	<1	6.76	<50	180	<10	<20	6.89	<10	50	50	2150	7.50	<50
Q461099		3.86	0.01	<1	6.85	<50	80	<10	<20	6.99	<10	40	40	1000	5.98	<50
Q461100		2.58	0.03	<1	6.36	<50	160	<10	<20	5.52	<10	40	120	470	6.89	<50
Q461101		5.32	0.12	<1	6.22	<50	400	<10	<20	4.93	<10	210	190	440	10.05	<50
Q461102		5.24	0.01	<1	6.55	<50	310	<10	<20	6.88	<10	50	180	140	7.67	<50
Q461103		5.06	0.13	<1	6.25	<50	270	<10	<20	6.61	<10	70	240	1360	8.81	<50
Q461104		2.74	0.50	1	4.70	<50	150	<10	<20	6.55	<10	100	220	7010	10.30	<50
Q461105		2.74	0.72	<1	6.04	<50	320	<10	<20	5.92	<10	130	250	8150	9.37	<50
Q461106		5.38	0.04	<1	6.39	<50	320	<10	<20	6.49	<10	90	280	770	9.16	<50
Q461107		5.98	0.04	<1	6.53	<50	260	<10	<20	5.98	<10	120	240	680	9.34	<50
Q461108		5.66	0.06	<1	6.05	<50	210	<10	<20	5.94	<10	70	70	710	6.26	<50
Q461109		5.38	0.03	<1	5.12	<50	<50	<10	<20	5.63	<10	40	<10	640	4.71	<50
Q461110		4.38	0.06	<1	5.38	<50	<50	<10	<20	5.68	<10	30	<10	450	4.69	<50
Q461856		<0.02	0.06	<1	5.01	<50	<50	<10	<20	5.70	<10	30	10	450	4.64	<50
Q461111		6.66	0.10	1	5.72	<50	<50	<10	<20	5.79	<10	30	<10	380	4.51	<50
Q461112		5.28	0.12	<1	5.26	<50	<50	<10	<20	5.28	<10	60	10	1120	4.26	<50
Q461113		5.60	0.10	<1	6.31	<50	110	<10	<20	7.61	<10	50	110	820	6.15	<50
Q461114		5.72	0.04	<1	5.61	<50	260	<10	<20	8.01	<10	100	300	620	9.54	<50
Q461115		5.86	0.07	1	5.12	<50	120	<10	<20	7.79	<10	130	330	1710	10.40	<50
Q461116		2.58	0.23	1	5.72	<50	200	<10	<20	7.21	<10	120	290	5810	10.25	<50
Q461117		3.18	0.04	<1	6.24	<50	150	<10	<20	7.63	<10	80	230	650	9.33	<50
Q461118		3.56	0.03	1	6.27	<50	90	<10	<20	7.50	<10	120	220	780	9.30	<50
Q461119		3.00	0.05	<1	6.62	<50	250	<10	<20	6.47	<10	70	290	1220	8.24	<50
Q461120		2.48	0.04	1	5.71	<50	<50	<10	<20	4.51	<10	70	20	740	5.76	<50
Q461121		2.44	0.12	1	5.85	<50	110	<10	<20	4.81	<10	120	40	1830	8.13	<50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461084		0.8	<50	4.06	640	<10	1.48	1370	2910	<20	4.87	<50	20	270	<50	0.24
Q461085		0.8	<50	2.82	750	10	2.49	560	1530	<20	2.00	<50	20	390	<50	0.35
Q461086		0.7	<50	3.69	870	<10	2.25	240	1220	<20	0.84	<50	30	450	<50	0.37
Q461087		0.3	<50	3.37	1000	<10	1.94	140	1330	<20	1.34	<50	20	390	<50	0.29
Q461088		0.4	<50	2.37	820	<10	1.66	130	770	<20	3.39	<50	20	370	<50	0.28
Q461089		0.5	<50	3.28	980	<10	1.92	190	1920	<20	1.01	<50	20	280	<50	0.30
Q461090		0.5	<50	3.68	950	<10	1.79	260	1230	<20	1.19	<50	30	220	<50	0.33
Q461875		0.5	<50	3.72	950	<10	1.80	270	1240	<20	1.21	<50	30	220	<50	0.33
Q461091		0.4	<50	3.20	880	<10	2.00	140	1780	<20	0.90	<50	20	450	<50	0.33
Q461092		0.4	<50	2.64	740	<10	2.70	60	1340	<20	0.31	<50	20	410	<50	0.41
Q461093		0.4	<50	2.88	610	<10	2.58	60	1240	<20	0.31	<50	20	340	<50	0.41
Q461094		0.5	<50	2.87	530	<10	2.03	440	2150	20	2.63	<50	20	290	<50	0.33
Q461095		0.5	<50	3.21	660	<10	2.53	90	1490	<20	0.53	<50	30	420	<50	0.46
Q461096		0.5	<50	3.01	680	<10	2.62	50	1360	<20	0.23	<50	20	600	<50	0.47
Q461097		0.3	<50	3.25	900	<10	2.28	50	1480	<20	0.23	<50	30	590	<50	0.45
Q461098		0.5	<50	2.71	860	<10	2.56	50	1310	<20	0.58	<50	20	690	<50	0.43
Q461099		0.2	<50	2.15	1110	<10	2.94	30	1080	<20	0.18	<50	10	570	<50	0.46
Q461100		0.4	<50	3.18	1160	<10	2.84	80	950	<20	0.20	<50	10	310	<50	0.42
Q461101		1.0	<50	4.08	1240	10	1.92	50	1140	<20	1.70	<50	30	310	<50	0.43
Q461102		0.8	<50	4.28	1320	<10	2.02	50	930	<20	0.44	<50	40	300	<50	0.45
Q461103		0.7	<50	4.96	1480	<10	1.77	80	820	<20	0.84	<50	40	310	<50	0.41
Q461104		0.5	<50	5.87	1230	10	1.46	80	770	<20	1.88	<50	40	180	<50	0.27
Q461105		0.8	<50	4.87	1130	<10	1.60	80	680	<20	2.03	<50	40	320	<50	0.35
Q461106		0.8	<50	4.97	1090	10	1.62	90	580	<20	1.37	<50	40	280	<50	0.39
Q461107		0.5	<50	4.63	1200	10	2.05	70	910	<20	1.03	<50	40	260	<50	0.37
Q461108		0.2	<50	2.72	1360	10	3.06	30	1270	<20	0.49	<50	20	320	<50	0.41
Q461109		<0.1	<50	1.51	1270	<10	4.05	<10	1440	<20	0.32	<50	10	300	<50	0.42
Q461110		<0.1	<50	1.68	1300	<10	3.91	10	1380	<20	0.33	<50	10	470	<50	0.41
Q461856		<0.1	<50	1.61	1300	<10	3.91	10	1430	<20	0.33	<50	10	460	<50	0.41
Q461111		<0.1	<50	1.75	1120	<10	3.96	<10	1400	<20	0.54	<50	10	310	<50	0.39
Q461112		<0.1	<50	1.62	1280	<10	4.18	10	1450	<20	0.57	<50	10	340	<50	0.39
Q461113		0.1	<50	3.11	1440	<10	2.81	30	1110	<20	0.47	<50	20	280	<50	0.40
Q461114		0.5	<50	5.62	1550	<10	1.24	110	1160	<20	0.98	<50	40	230	<50	0.47
Q461115		0.3	<50	5.94	1750	10	1.11	100	540	20	1.24	<50	50	180	<50	0.42
Q461116		0.5	<50	5.08	1640	10	1.41	80	310	<20	1.12	<50	40	250	<50	0.45
Q461117		0.4	<50	4.67	1720	<10	1.85	60	720	20	0.56	<50	40	250	<50	0.46
Q461118		0.3	<50	4.34	1680	<10	1.73	70	490	<20	1.26	<50	40	200	<50	0.42
Q461119		0.5	<50	4.46	1490	<10	2.12	50	530	<20	0.47	<50	40	310	<50	0.41
Q461120		<0.1	<50	1.69	1610	<10	4.08	30	1350	<20	0.64	<50	10	270	<50	0.41
Q461121		0.1	<50	1.95	2050	20	3.33	50	1240	<20	1.19	<50	10	490	<50	0.39

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461084		<50	<50	610	<50	70
Q461085		<50	<50	390	<50	90
Q461086		<50	<50	410	<50	70
Q461087		<50	<50	470	<50	90
Q461088		<50	<50	660	<50	120
Q461089		<50	<50	690	<50	80
Q461090		<50	<50	610	<50	80
Q461875		<50	<50	620	<50	80
Q461091		<50	<50	550	<50	60
Q461092		<50	<50	380	<50	40
Q461093		<50	<50	370	<50	50
Q461094		<50	<50	420	<50	50
Q461095		<50	<50	380	<50	40
Q461096		<50	<50	360	<50	40
Q461097		<50	<50	430	<50	50
Q461098		<50	<50	310	<50	50
Q461099		<50	<50	220	<50	70
Q461100		<50	<50	250	<50	90
Q461101		<50	<50	320	<50	50
Q461102		<50	<50	300	<50	80
Q461103		<50	<50	290	<50	170
Q461104		<50	<50	270	<50	70
Q461105		<50	<50	260	<50	80
Q461106		<50	<50	270	<50	40
Q461107		<50	<50	260	<50	120
Q461108		<50	<50	240	<50	140
Q461109		<50	<50	270	<50	100
Q461110		<50	<50	250	<50	30
Q461856		<50	<50	250	<50	30
Q461111		<50	<50	220	<50	20
Q461112		<50	<50	220	<50	80
Q461113		<50	<50	250	<50	90
Q461114		<50	<50	310	<50	80
Q461115		<50	<50	300	<50	130
Q461116		<50	<50	340	<50	190
Q461117		<50	<50	340	<50	240
Q461118		<50	<50	290	<50	140
Q461119		<50	<50	280	<50	130
Q461120		<50	<50	240	<50	120
Q461121		<50	<50	260	<50	120

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461122		2.92	0.27	3	6.12	<50	1000	<10	<20	6.09	<10	280	140	7040	15.45	<50
Q461123		2.74	0.09	2	5.89	<50	1470	<10	<20	5.68	<10	310	170	5580	13.65	<50
Q461124		2.62	0.04	1	5.09	<50	1560	<10	<20	5.35	<10	450	480	2720	12.40	<50
Q461125		2.84	0.11	3	4.68	70	540	<10	<20	6.54	<10	440	340	6640	14.80	<50
Q461126		3.16	0.11	2	5.64	<50	1300	<10	<20	4.35	<10	630	180	3460	15.45	<50
Q461127		4.14	0.33	2	6.35	<50	1310	<10	<20	3.80	<10	810	110	9350	13.55	<50
Q461128		3.04	0.54	3	5.76	<50	1460	<10	<20	4.43	<10	850	110	12250	12.70	<50
Q461129		3.68	0.52	5	4.47	70	740	<10	<20	4.23	<10	1250	120	15400	22.1	<50
Q461130		2.78	0.93	4	5.56	190	50	<10	<20	8.39	<10	910	80	13850	18.60	<50
Q461858		<0.02	0.81	4	5.61	210	50	<10	30	8.40	<10	910	80	13950	18.55	<50
Q461131		2.84	0.24	4	4.96	70	80	<10	<20	7.01	<10	240	160	6780	21.2	<50
Q461132		3.76	0.12	3	5.35	<50	250	<10	<20	6.08	<10	150	270	5230	14.10	<50
Q461133		2.44	0.12	1	6.08	<50	170	<10	<20	7.03	<10	90	250	2170	12.20	<50
Q461134		2.66	0.01	<1	7.78	<50	370	<10	<20	6.40	<10	60	60	490	9.23	<50
Q461135		1.84	0.02	<1	6.56	<50	420	<10	<20	5.76	10	90	50	530	8.38	<50
Q461136		4.06	0.05	<1	5.38	<50	410	<10	<20	6.23	<10	20	<10	100	4.74	<50
Q461137		5.38	0.02	<1	5.84	<50	140	<10	<20	5.82	<10	20	<10	130	5.00	<50
Q461138		4.50	0.02	<1	6.99	<50	280	<10	<20	6.78	<10	50	130	150	7.54	<50
Q461139		9.06	0.02	<1	7.06	<50	290	<10	<20	5.83	<10	40	60	390	7.42	<50
Q461140		5.12	0.02	<1	6.87	<50	260	<10	<20	6.34	<10	20	60	80	6.47	<50
Q461141		4.72	0.02	1	5.28	<50	230	<10	<20	5.04	<10	20	<10	100	5.29	<50
Q461142		4.64	0.02	<1	4.39	<50	510	<10	<20	4.85	<10	20	<10	170	4.56	<50
Q461143		5.08	0.02	<1	5.13	<50	150	<10	<20	4.23	<10	20	<10	100	5.13	<50
Q461144		5.26	0.05	<1	5.65	<50	200	<10	<20	4.50	<10	20	20	100	6.32	<50
Q461145		4.68	0.01	<1	7.02	<50	270	<10	<20	6.94	<10	30	50	260	6.07	<50
Q461146		4.38	<0.01	<1	7.23	<50	300	<10	<20	7.09	<10	20	60	60	6.30	<50
Q461147		5.92	0.01	<1	6.40	<50	190	<10	<20	6.71	<10	50	230	290	6.90	<50
Q461148		7.28	0.01	<1	6.75	<50	210	<10	<20	7.63	<10	30	220	180	7.50	<50
Q461149		8.86	0.02	<1	5.57	<50	210	<10	<20	7.11	<10	40	270	190	7.04	<50
Q461150		4.50	0.01	<1	6.93	<50	260	<10	<20	6.26	<10	40	70	190	6.08	<50
Q461859		<0.02	0.01	<1	6.68	<50	270	<10	<20	6.29	<10	30	70	200	6.28	<50
Q461151		5.82	0.01	<1	7.44	<50	280	<10	<20	7.33	<10	40	90	160	6.34	<50
Q461152		5.38	0.19	<1	7.17	<50	180	<10	<20	6.34	<10	40	60	260	6.35	<50
Q461153		4.52	0.09	<1	6.58	<50	210	<10	<20	7.34	<10	20	50	250	5.06	<50
Q461154		5.16	0.01	<1	6.61	<50	220	<10	<20	7.09	<10	30	60	100	5.67	<50
Q461155		3.38	0.02	<1	6.73	<50	220	<10	<20	6.62	<10	40	110	260	6.58	<50
Q461156		4.84	0.05	<1	6.94	<50	230	<10	<20	6.00	<10	50	50	830	7.76	<50
Q461157		4.32	0.02	<1	7.03	<50	220	<10	<20	6.72	<10	40	70	170	6.16	<50
Q461158		4.94	0.01	<1	6.08	<50	180	<10	<20	7.22	<10	30	70	120	5.55	<50
Q461159		4.18	0.01	<1	6.83	<50	270	<10	<20	6.74	<10	20	60	50	5.32	<50

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461122		1.2	<50	3.59	1490	<10	0.71	110	560	<20	3.12	<50	30	460	<50	0.35
Q461123		2.4	<50	4.10	1600	<10	0.53	80	730	<20	2.87	<50	30	400	<50	0.43
Q461124		1.8	<50	5.04	1830	<10	0.57	110	670	<20	2.44	<50	30	250	<50	0.36
Q461125		1.1	<50	5.16	1510	<10	0.41	90	990	<20	3.46	<50	40	310	<50	0.29
Q461126		2.8	<50	3.76	1230	10	0.60	170	520	20	5.47	<50	30	350	<50	0.34
Q461127		3.3	<50	3.19	1250	<10	0.70	130	390	<20	5.65	<50	30	440	<50	0.40
Q461128		2.0	<50	3.85	1300	10	1.42	60	790	<20	4.65	<50	30	290	<50	0.37
Q461129		0.9	<50	4.07	1560	40	0.53	90	850	<20	7.18	<50	20	130	<50	0.25
Q461130		0.1	<50	2.82	1270	130	0.17	130	760	20	8.90	<50	20	530	<50	0.23
Q461858		0.1	<50	2.84	1290	140	0.17	140	750	30	8.89	<50	20	530	<50	0.23
Q461131		0.3	<50	3.97	2040	50	0.24	60	620	30	1.84	<50	30	400	<50	0.34
Q461132		0.5	<50	4.47	1420	<10	1.62	40	870	20	1.42	<50	30	330	<50	0.28
Q461133		0.5	<50	3.92	1420	<10	1.70	30	820	<20	0.88	<50	30	340	<50	0.38
Q461134		0.8	<50	3.49	1170	<10	2.43	30	830	<20	0.58	<50	30	430	<50	0.54
Q461135		0.8	<50	2.68	1390	<10	2.49	40	2230	<20	1.06	<50	20	290	<50	0.44
Q461136		0.7	<50	1.23	1910	<10	3.70	<10	1540	<20	0.10	<50	10	630	<50	0.36
Q461137		<0.1	<50	1.41	1830	<10	4.45	<10	1640	20	0.10	<50	10	340	<50	0.37
Q461138		0.6	<50	3.80	1320	<10	2.55	50	810	<20	0.28	<50	30	370	<50	0.43
Q461139		0.5	<50	2.60	1380	<10	3.06	30	790	<20	0.22	<50	20	370	<50	0.41
Q461140		0.6	<50	2.63	1180	<10	3.11	20	870	<20	0.07	<50	20	450	<50	0.40
Q461141		0.2	<50	1.34	1640	<10	4.53	<10	1600	<20	0.08	<50	10	390	<50	0.36
Q461142		0.1	<50	1.09	1580	<10	4.64	<10	1400	<20	0.08	<50	10	340	<50	0.34
Q461143		0.3	<50	1.41	1660	<10	4.79	<10	1630	<20	0.05	<50	10	410	<50	0.37
Q461144		0.4	<50	1.75	1780	<10	4.33	10	1390	<20	<0.05	<50	10	340	<50	0.37
Q461145		0.6	<50	2.66	1170	<10	2.99	20	990	<20	0.12	<50	20	460	<50	0.40
Q461146		0.7	<50	2.81	1000	<10	2.84	20	1080	<20	<0.05	<50	20	500	<50	0.39
Q461147		0.5	<50	4.33	1230	<10	2.30	70	740	<20	0.31	<50	30	360	<50	0.36
Q461148		0.5	<50	4.92	1260	<10	2.21	50	710	<20	0.12	<50	40	350	<50	0.41
Q461149		0.5	<50	4.79	1180	<10	2.01	80	600	<20	0.26	<50	30	340	<50	0.39
Q461150		0.6	<50	2.43	730	<10	2.83	20	560	<20	0.39	<50	20	400	<50	0.42
Q461859		0.6	<50	2.48	740	<10	2.84	20	610	20	0.38	<50	20	400	<50	0.42
Q461151		0.4	<50	3.41	990	<10	2.60	40	580	20	0.29	<50	30	450	<50	0.43
Q461152		0.4	<50	2.93	1180	<10	3.05	20	810	130	0.43	<50	20	430	<50	0.41
Q461153		0.4	<50	2.66	1010	<10	3.15	20	820	<20	0.18	<50	20	390	<50	0.42
Q461154		0.4	<50	2.94	820	<10	3.05	20	450	<20	0.18	<50	20	440	<50	0.44
Q461155		0.5	<50	2.92	800	<10	2.56	40	350	<20	0.41	<50	20	430	<50	0.40
Q461156		0.6	<50	2.71	1060	<10	2.72	40	780	<20	0.57	<50	20	410	<50	0.43
Q461157		0.6	<50	3.31	940	<10	2.78	30	500	<20	0.16	<50	30	460	<50	0.46
Q461158		0.5	<50	2.78	860	<10	2.40	20	500	<20	0.13	<50	20	380	<50	0.40
Q461159		0.5	<50	2.80	780	<10	2.79	30	800	<20	0.07	<50	20	470	<50	0.43

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	50	50	10	50	20
Q461122		<50	<50	310	<50	160
Q461123		<50	<50	300	<50	130
Q461124		<50	<50	270	<50	100
Q461125		<50	<50	290	<50	120
Q461126		<50	<50	240	<50	80
Q461127		<50	<50	210	<50	180
Q461128		<50	<50	220	<50	280
Q461129		<50	<50	340	<50	250
Q461130		<50	<50	270	<50	250
Q461858		<50	<50	270	<50	250
Q461131		<50	<50	430	<50	350
Q461132		<50	<50	280	<50	180
Q461133		<50	<50	290	<50	310
Q461134		<50	<50	380	<50	120
Q461135		<50	<50	290	<50	2420
Q461136		<50	<50	210	<50	140
Q461137		<50	<50	210	<50	60
Q461138		<50	<50	280	<50	50
Q461139		<50	<50	260	<50	150
Q461140		<50	<50	250	<50	40
Q461141		<50	<50	210	<50	60
Q461142		<50	<50	190	<50	60
Q461143		<50	<50	210	<50	60
Q461144		<50	<50	220	<50	50
Q461145		<50	<50	250	<50	30
Q461146		<50	<50	270	<50	30
Q461147		<50	<50	240	<50	60
Q461148		<50	<50	280	<50	40
Q461149		<50	<50	270	<50	100
Q461150		<50	<50	240	<50	30
Q461859		<50	<50	240	<50	40
Q461151		<50	<50	250	<50	70
Q461152		<50	<50	230	<50	810
Q461153		<50	<50	210	<50	40
Q461154		<50	<50	240	<50	30
Q461155		<50	<50	240	<50	30
Q461156		<50	<50	290	<50	40
Q461157		<50	<50	260	<50	30
Q461158		<50	<50	240	<50	30
Q461159		<50	<50	230	<50	30

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461160		3.98	0.10	<1	6.27	<50	190	<10	<20	6.83	<10	60	80	960	7.93	<50
Q461161		3.96	0.04	<1	6.14	<50	170	<10	<20	6.96	<10	30	80	500	5.79	<50
Q461162		2.74	0.07	<1	6.18	<50	290	<10	<20	6.03	<10	60	40	1180	6.40	<50
Q461163		4.84	0.01	<1	6.27	<50	150	<10	<20	5.23	<10	40	40	140	4.90	<50
Q461164		5.10	0.01	1	7.33	<50	270	<10	<20	7.13	<10	20	60	60	5.86	<50
Q461165		4.88	0.01	<1	7.17	<50	240	<10	<20	7.64	<10	30	70	60	6.22	<50
Q461166		4.66	0.05	<1	7.13	50	240	<10	<20	7.07	<10	30	80	610	5.99	<50
Q461167		5.22	0.02	1	6.63	<50	230	<10	<20	6.44	<10	30	90	300	6.08	<50
Q461168		4.40	0.06	<1	6.85	<50	110	<10	<20	6.80	<10	40	110	840	6.55	<50
Q461169		5.18	0.01	2	7.26	<50	230	<10	<20	8.34	<10	30	80	60	5.44	<50
Q461170		<0.02	0.01	<1	7.27	<50	230	<10	<20	8.21	<10	20	80	60	5.41	<50
Q461171		7.00	0.02	1	7.23	<50	210	<10	<20	7.11	<10	40	90	320	6.37	<50
Q461861		<0.02	0.02	<1	7.32	<50	210	<10	<20	7.15	<10	30	90	320	6.33	<50
Q461172		5.58	0.04	1	7.44	<50	200	<10	<20	7.11	<10	60	110	620	8.72	<50
Q461173		3.86	0.10	1	6.56	<50	360	<10	<20	7.21	<10	60	100	1400	8.89	<50
Q461174		2.92	0.02	1	6.60	<50	590	<10	<20	6.48	<10	30	80	1040	7.58	<50
Q461175		5.52	0.05	1	6.92	<50	390	<10	<20	7.17	<10	40	180	880	8.82	<50
Q461176		6.14	0.03	1	6.96	<50	210	<10	<20	6.99	<10	30	100	660	6.42	<50
Q461177		4.60	0.35	2	6.21	<50	530	<10	<20	6.63	<10	90	150	6770	8.25	<50
Q461178		4.98	0.06	1	6.42	<50	390	<10	<20	5.91	<10	50	120	1760	6.03	<50
Q461179		6.76	0.05	<1	6.68	<50	290	<10	<20	7.10	<10	40	110	1020	7.29	<50
Q461180		5.58	0.07	<1	6.96	<50	160	<10	<20	7.16	<10	50	120	1230	7.73	<50
Q461181		4.72	0.07	<1	6.85	<50	200	<10	<20	7.26	<10	60	150	1700	7.14	<50
Q461182		5.74	0.04	<1	7.02	<50	290	<10	<20	7.23	<10	50	100	560	7.22	<50
Q461183		5.00	0.03	<1	6.70	<50	810	<10	<20	7.10	<10	60	80	1330	6.66	<50
Q461184		4.56	0.03	<1	7.46	<50	190	<10	<20	7.12	<10	60	40	1960	7.64	<50
Q461185		5.98	0.03	<1	7.16	<50	240	<10	<20	6.68	<10	110	50	1920	8.49	<50
Q461186		5.06	0.07	<1	7.09	<50	170	<10	<20	7.08	<10	40	60	1320	6.95	<50
Q461187		4.22	0.06	<1	6.24	<50	250	<10	<20	5.85	<10	30	40	820	6.01	<50
Q461188		5.58	0.05	<1	6.69	<50	780	<10	<20	7.01	<10	50	30	1690	6.23	<50
Q461189		5.86	0.04	<1	7.17	<50	170	<10	<20	6.45	<10	30	30	890	5.91	<50
Q461190		5.44	0.02	<1	6.70	<50	200	<10	<20	6.19	<10	30	90	440	6.00	<50
Q461862		<0.02	0.03	<1	7.09	<50	200	<10	<20	6.19	<10	30	90	440	6.09	<50
Q461191		2.86	0.04	<1	6.63	<50	220	<10	<20	6.84	<10	50	170	750	8.61	<50
Q461192		4.64	0.01	<1	7.02	<50	300	<10	<20	7.34	<10	20	80	230	6.64	<50
Q461193		4.80	0.03	<1	6.70	<50	160	<10	<20	8.21	<10	30	160	400	8.08	<50
Q461194		5.80	0.04	<1	6.22	<50	450	<10	<20	7.63	<10	40	170	520	9.32	<50
Q461195		7.48	0.07	<1	6.87	<50	830	<10	<20	6.49	<10	50	120	2410	10.90	<50
Q461196		4.88	0.12	<1	5.76	60	310	<10	<20	6.76	<10	30	20	1420	6.65	<50
Q461197		2.98	0.06	<1	7.21	<50	220	<10	<20	7.19	<10	40	80	1360	7.83	<50

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461160		0.4	<50	3.20	930	<10	2.55	30	690	<20	0.62	<50	30	380	<50	0.42
Q461161		0.4	<50	2.62	720	<10	2.79	30	910	<20	0.24	<50	20	330	<50	0.39
Q461162		0.6	<50	2.58	940	<10	2.66	30	860	<20	0.49	<50	20	450	<50	0.40
Q461163		0.4	<50	2.12	670	<10	3.76	20	1150	<20	0.16	<50	10	370	<50	0.35
Q461164		0.5	<50	3.09	1070	<10	3.06	30	800	<20	<0.05	<50	20	470	<50	0.42
Q461165		0.5	<50	2.97	1060	<10	2.50	30	820	<20	<0.05	<50	20	470	<50	0.42
Q461166		0.6	<50	3.12	1040	<10	2.80	20	300	<20	0.17	<50	30	440	<50	0.46
Q461167		0.6	<50	3.16	900	<10	2.62	30	610	<20	0.18	<50	30	400	<50	0.40
Q461168		0.3	<50	3.06	640	<10	2.85	30	2440	<20	0.35	<50	30	320	<50	0.37
Q461169		0.6	<50	3.31	930	<10	2.68	30	1730	<20	0.11	<50	30	430	<50	0.45
Q461170		0.6	<50	3.27	920	<10	2.65	30	1720	<20	0.10	<50	30	420	<50	0.45
Q461171		0.6	<50	2.91	720	<10	2.92	30	1490	<20	0.28	<50	20	510	<50	0.38
Q461861		0.6	<50	2.92	720	<10	2.92	20	1530	<20	0.28	<50	20	510	<50	0.38
Q461172		0.5	<50	3.44	960	<10	2.62	40	830	<20	0.64	<50	30	440	<50	0.44
Q461173		0.6	<50	3.03	1660	<10	2.31	40	1030	<20	0.86	<50	20	430	<50	0.38
Q461174		0.7	<50	2.59	1580	<10	2.61	30	1150	<20	0.40	<50	20	470	<50	0.37
Q461175		0.8	<50	3.67	1330	<10	2.14	40	940	<20	0.52	<50	30	250	<50	0.37
Q461176		0.6	<50	3.03	1260	<10	2.87	40	870	30	0.20	<50	20	410	<50	0.41
Q461177		0.9	<50	3.52	1510	<10	1.91	60	880	<20	1.36	<50	30	380	<50	0.40
Q461178		1.0	<50	3.30	1180	<10	2.79	30	870	<20	0.50	<50	30	350	<50	0.40
Q461179		0.6	<50	3.39	1270	<10	2.64	40	850	<20	0.40	<50	30	330	<50	0.43
Q461180		0.4	<50	3.72	1600	<10	2.64	50	840	<20	0.37	<50	30	400	<50	0.44
Q461181		0.5	<50	3.74	1430	<10	2.68	50	770	<20	0.59	<50	30	310	<50	0.43
Q461182		0.5	<50	3.31	1330	<10	2.58	40	640	<20	0.50	<50	30	380	<50	0.41
Q461183		0.8	<50	2.69	1700	<10	2.55	30	860	<20	0.60	<50	20	320	<50	0.38
Q461184		0.3	<50	2.68	1700	<10	2.81	30	1060	<20	0.71	<50	30	400	<50	0.43
Q461185		0.4	<50	2.26	2010	<10	2.59	40	1050	<20	1.14	<50	20	640	<50	0.42
Q461186		0.3	<50	1.90	1510	<10	2.77	30	970	<20	0.53	<50	20	680	<50	0.40
Q461187		0.6	<50	1.74	1240	<10	3.17	20	1010	<20	0.45	<50	20	390	<50	0.40
Q461188		0.9	<50	2.12	1460	<10	2.52	30	1210	<20	0.71	<50	20	430	<50	0.43
Q461189		0.4	<50	2.50	1140	<10	3.21	20	1060	<20	0.30	<50	20	370	<50	0.44
Q461190		0.5	<50	2.71	1180	<10	3.08	20	730	<20	0.22	<50	20	270	<50	0.40
Q461862		0.6	<50	2.75	1190	<10	3.14	30	750	30	0.25	<50	20	270	<50	0.40
Q461191		0.5	<50	4.15	1650	<10	2.59	60	650	<20	0.39	<50	40	250	<50	0.43
Q461192		0.6	<50	2.55	1350	<10	2.69	20	520	<20	0.09	<50	20	510	<50	0.38
Q461193		0.4	<50	4.06	1310	<10	2.11	40	850	<20	0.15	<50	40	380	<50	0.42
Q461194		0.5	<50	4.10	1270	<10	2.12	40	780	<20	0.26	<50	40	250	<50	0.38
Q461195		1.0	<50	3.43	1350	<10	1.95	40	860	<20	0.65	<50	30	390	<50	0.40
Q461196		0.7	<50	1.61	910	<10	2.52	30	750	<20	0.33	<50	10	550	<50	0.37
Q461197		0.5	<50	3.20	1070	<10	2.58	30	800	<20	0.49	<50	30	390	<50	0.44

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 8 - MAY - 2014
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CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461160		<50	<50	290	<50	40
Q461161		<50	<50	260	<50	40
Q461162		<50	<50	250	<50	50
Q461163		<50	<50	190	<50	30
Q461164		<50	<50	250	<50	40
Q461165		<50	<50	270	<50	40
Q461166		<50	<50	230	<50	40
Q461167		<50	<50	250	<50	30
Q461168		<50	<50	230	<50	20
Q461169		<50	<50	240	<50	30
Q461170		<50	<50	230	<50	20
Q461171		<50	<50	230	<50	20
Q461861		<50	<50	220	<50	30
Q461172		<50	<50	280	<50	30
Q461173		<50	<50	260	<50	60
Q461174		<50	<50	220	<50	50
Q461175		<50	<50	250	<50	50
Q461176		<50	<50	250	<50	50
Q461177		<50	<50	270	<50	140
Q461178		<50	<50	250	<50	80
Q461179		<50	<50	280	<50	50
Q461180		<50	<50	290	<50	100
Q461181		<50	<50	280	<50	390
Q461182		<50	<50	280	<50	110
Q461183		<50	<50	250	<50	100
Q461184		<50	<50	270	<50	70
Q461185		<50	<50	280	<50	90
Q461186		<50	<50	270	<50	70
Q461187		<50	<50	260	<50	60
Q461188		<50	<50	250	<50	80
Q461189		<50	<50	230	<50	70
Q461190		<50	<50	300	<50	60
Q461862		<50	<50	310	<50	80
Q461191		<50	<50	310	<50	90
Q461192		<50	<50	240	<50	50
Q461193		<50	<50	320	<50	50
Q461194		<50	<50	330	<50	50
Q461195		<50	<50	380	<50	60
Q461196		<50	<50	270	<50	40
Q461197		<50	<50	300	<50	50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461198		1.90	0.27	1	6.30	<50	130	<10	<20	8.75	<10	90	80	8250	9.28	<50
Q461199		1.86	0.14	<1	6.73	<50	640	<10	<20	6.84	<10	80	100	3560	8.74	<50
Q461200		2.98	0.08	<1	6.89	<50	280	<10	<20	6.65	<10	50	100	3060	9.42	<50
Q461201		2.30	0.06	<1	6.25	<50	460	<10	<20	5.20	<10	40	70	2030	6.95	<50
Q461202		2.22	0.10	1	6.75	<50	650	<10	<20	6.19	<10	80	80	4170	10.15	<50
Q461203		2.64	0.13	<1	6.94	<50	310	<10	20	6.88	<10	40	90	6240	10.00	<50
Q461204		2.34	0.12	1	6.65	<50	280	<10	<20	7.15	<10	50	80	8180	9.48	<50
Q461205		2.60	0.06	<1	6.62	<50	130	<10	<20	6.68	<10	50	150	1780	8.82	<50
Q461206		1.92	0.04	<1	6.89	<50	80	<10	<20	9.26	<10	40	150	1330	7.90	<50
Q461207		2.10	0.04	<1	6.94	<50	150	<10	<20	6.29	<10	40	130	720	7.07	<50
Q461208		1.98	0.03	<1	6.37	<50	160	<10	<20	7.39	<10	30	120	700	6.97	<50
Q461209		5.42	0.19	<1	6.46	<50	220	<10	<20	7.19	<10	50	130	1520	7.48	<50
Q461210		3.62	0.11	<1	6.64	<50	450	<10	<20	6.35	<10	50	80	2840	8.63	<50
Q461863		<0.02	0.12	<1	6.06	<50	440	<10	<20	6.13	<10	40	100	2830	8.38	<50
Q461211		4.72	0.08	<1	6.68	<50	140	<10	<20	7.23	<10	50	50	1590	7.95	<50
Q461212		3.92	0.06	<1	5.99	<50	50	<10	<20	5.50	<10	30	40	390	6.04	<50
Q461213		4.70	0.06	<1	6.44	<50	<50	<10	<20	7.15	<10	40	160	670	8.26	<50
Q461214		4.54	0.31	1	6.14	<50	120	<10	<20	6.59	<10	30	120	3100	11.25	<50
Q461215		4.70	0.24	<1	6.15	<50	100	<10	<20	6.78	<10	50	130	1060	10.35	<50
Q461216		2.76	0.84	<1	6.36	<50	110	<10	<20	6.11	<10	30	170	1950	8.83	<50
Q461217		5.50	0.08	<1	6.57	<50	170	<10	<20	5.80	<10	30	150	420	8.54	<50
Q461218		4.42	0.05	<1	6.86	<50	140	<10	<20	6.04	<10	40	80	380	9.84	<50
Q461219		3.98	0.16	1	7.22	<50	130	<10	<20	7.22	<10	30	50	870	9.00	<50
Q461220		3.06	0.14	<1	4.04	<50	230	<10	<20	6.18	<10	30	10	370	3.37	<50
Q461221		3.70	0.14	1	6.50	<50	70	<10	<20	6.79	<10	20	30	1290	6.42	<50
Q461222		4.50	0.39	1	6.21	<50	80	<10	<20	7.63	<10	20	30	2250	5.63	<50
Q461223		3.48	0.66	1	6.59	<50	120	<10	<20	7.43	<10	70	30	4520	6.87	<50
Q461224		4.28	0.69	1	7.31	<50	100	<10	<20	6.16	<10	30	40	2810	11.00	<50
Q461225		4.60	0.05	<1	5.13	<50	230	<10	<20	5.58	<10	20	20	450	6.43	<50
Q461226		5.56	0.03	<1	6.25	<50	320	<10	<20	6.03	<10	30	40	660	7.12	<50
Q461227		4.64	0.01	<1	6.43	<50	220	<10	<20	6.32	<10	10	20	420	6.98	<50
Q461228		3.36	0.05	<1	7.19	<50	180	<10	<20	5.86	<10	40	30	660	10.80	<50
Q461229		4.50	0.07	<1	6.78	<50	350	<10	<20	6.49	<10	50	160	1450	8.87	<50
Q461230		4.82	0.02	1	6.20	<50	270	<10	<20	6.61	<10	30	190	450	9.55	<50
Q461869		<0.02	0.01	<1	6.22	<50	260	<10	<20	6.67	<10	30	200	450	9.56	<50
Q461231		5.08	0.19	<1	6.23	<50	130	<10	<20	6.85	<10	40	210	1960	9.20	<50
Q461232		4.76	0.06	1	6.30	<50	260	<10	<20	5.92	<10	20	100	1230	6.91	<50
Q461233		5.78	0.17	1	6.72	<50	230	<10	<20	5.79	<10	70	170	1360	8.28	<50
Q461234		4.58	0.06	<1	5.56	<50	90	<10	<20	6.54	<10	40	380	490	9.08	<50
Q461235		4.16	0.07	<1	5.69	<50	190	<10	<20	6.70	<10	40	300	190	8.62	<50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461198		0.3	<50	2.39	1340	<10	1.98	60	770	60	2.02	<50	20	680	<50	0.37
Q461199		0.7	<50	3.25	1350	<10	2.25	60	800	20	1.41	<50	20	450	<50	0.40
Q461200		0.5	<50	3.35	1520	<10	2.23	50	480	20	0.81	<50	30	500	<50	0.42
Q461201		0.9	<50	3.02	1110	<10	2.34	40	730	<20	0.48	<50	20	370	<50	0.40
Q461202		0.9	<50	3.20	1460	<10	2.21	90	800	<20	1.16	<50	20	300	<50	0.40
Q461203		0.5	<50	3.28	1570	<10	2.31	60	690	<20	0.93	<50	30	310	<50	0.41
Q461204		0.5	<50	3.01	1530	<10	2.26	50	690	<20	1.35	<50	30	600	<50	0.42
Q461205		0.3	<50	3.92	1420	<10	2.68	40	930	<20	0.66	<50	30	260	<50	0.42
Q461206		0.1	<50	3.87	1430	<10	2.06	40	940	<20	0.42	<50	30	280	<50	0.40
Q461207		0.3	<50	3.67	1250	<10	3.26	50	1080	<20	0.27	<50	30	300	<50	0.44
Q461208		0.3	<50	3.62	1420	<10	2.64	40	720	<20	0.24	<50	30	460	<50	0.40
Q461209		0.3	<50	3.59	1400	<10	2.69	50	790	<20	0.58	<50	30	370	<50	0.41
Q461210		0.7	<50	3.37	1260	<10	2.55	40	670	20	0.71	<50	30	310	<50	0.39
Q461863		0.7	<50	3.20	1220	<10	2.43	40	710	<20	0.70	<50	20	300	<50	0.37
Q461211		0.3	<50	2.68	1310	<10	2.36	30	1090	<20	0.57	<50	20	760	<50	0.39
Q461212		0.1	<50	2.56	990	<10	3.33	20	1070	20	0.27	<50	10	280	<50	0.35
Q461213		0.1	<50	4.12	1170	<10	2.50	70	1060	<20	0.25	<50	30	170	<50	0.45
Q461214		0.4	<50	4.16	1220	<10	2.42	60	2170	<20	0.45	<50	30	270	<50	0.38
Q461215		0.3	<50	3.88	1400	<10	2.45	50	1100	<20	0.38	<50	30	220	<50	0.42
Q461216		0.3	<50	4.04	1720	<10	2.43	60	820	<20	0.28	<50	30	340	<50	0.46
Q461217		0.5	<50	3.94	1460	<10	2.71	60	1040	<20	0.09	<50	30	290	<50	0.46
Q461218		0.4	<50	3.91	1980	<10	2.14	30	340	<20	0.14	<50	30	530	<50	0.44
Q461219		0.4	<50	2.91	1750	<10	1.99	30	910	<20	0.36	<50	20	920	<50	0.33
Q461220		0.7	<50	1.04	930	<10	2.83	10	620	<20	0.14	<50	<10	440	<50	0.22
Q461221		0.2	<50	2.73	1380	<10	2.20	10	1100	<20	0.19	<50	10	1120	<50	0.29
Q461222		0.2	<50	1.94	1720	<10	2.26	20	810	<20	0.29	<50	10	1230	<50	0.32
Q461223		0.4	<50	1.91	1350	<10	2.41	20	730	<20	0.82	<50	10	1000	<50	0.31
Q461224		0.3	<50	3.16	1560	<10	2.36	30	2170	<20	0.41	<50	20	840	<50	0.40
Q461225		0.7	<50	1.68	1080	<10	2.64	10	630	<20	0.14	<50	10	610	<50	0.27
Q461226		0.7	<50	2.53	970	<10	2.28	10	770	<20	0.12	<50	10	490	<50	0.31
Q461227		0.8	<50	1.82	740	<10	2.42	20	2460	<20	0.07	<50	10	330	<50	0.26
Q461228		0.5	<50	2.29	1040	<10	2.46	30	950	<20	0.22	<50	20	410	<50	0.37
Q461229		0.6	<50	3.34	1530	<10	2.27	50	970	<20	0.35	<50	30	430	<50	0.44
Q461230		0.5	<50	4.00	1570	<10	2.38	60	800	<20	0.12	<50	30	340	<50	0.43
Q461869		0.5	<50	4.00	1580	<10	2.40	60	800	<20	0.12	<50	30	340	<50	0.43
Q461231		0.3	<50	4.10	1740	<10	2.29	70	650	<20	0.50	<50	30	540	<50	0.39
Q461232		0.5	<50	3.54	1380	<10	2.87	30	960	<20	0.20	<50	20	390	<50	0.40
Q461233		0.5	<50	3.94	1610	<10	2.91	60	800	<20	0.47	<50	30	440	<50	0.43
Q461234		0.3	<50	5.85	1690	<10	1.91	180	780	<20	0.15	<50	30	260	<50	0.36
Q461235		0.4	<50	4.93	1440	<10	2.29	100	760	<20	0.18	<50	30	270	<50	0.39

***** See Appendix Page for comments regarding this certificate *****

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310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461198		<50	<50	300	<50	110
Q461199		<50	<50	300	<50	110
Q461200		<50	<50	350	<50	110
Q461201		<50	<50	300	<50	40
Q461202		<50	<50	360	<50	60
Q461203		<50	<50	350	<50	60
Q461204		<50	<50	310	<50	50
Q461205		<50	<50	280	<50	50
Q461206		<50	<50	270	<50	50
Q461207		<50	<50	260	<50	50
Q461208		<50	<50	260	<50	40
Q461209		<50	<50	260	<50	50
Q461210		<50	<50	320	<50	50
Q461863		<50	<50	310	<50	40
Q461211		<50	<50	300	<50	40
Q461212		<50	<50	240	<50	40
Q461213		<50	<50	320	<50	60
Q461214		<50	<50	370	<50	50
Q461215		<50	<50	390	<50	50
Q461216		<50	<50	300	<50	60
Q461217		<50	<50	320	<50	60
Q461218		<50	<50	380	<50	70
Q461219		<50	<50	380	<50	70
Q461220		<50	<50	200	<50	30
Q461221		<50	<50	330	<50	50
Q461222		<50	<50	320	<50	60
Q461223		<50	<50	290	<50	50
Q461224		<50	<50	560	<50	70
Q461225		<50	<50	300	<50	40
Q461226		<50	<50	350	<50	30
Q461227		<50	<50	320	<50	30
Q461228		<50	<50	530	<50	40
Q461229		<50	<50	300	<50	40
Q461230		<50	<50	340	<50	40
Q461869		<50	<50	350	<50	40
Q461231		<50	<50	280	<50	50
Q461232		<50	<50	290	<50	40
Q461233		<50	<50	260	<50	50
Q461234		<50	<50	290	<50	50
Q461235		<50	<50	340	<50	40

***** See Appendix Page for comments regarding this certificate *****

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310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP61a Ag ppm 1	ME-ICP61a Al % 0.05	ME-ICP61a As ppm 50	ME-ICP61a Ba ppm 50	ME-ICP61a Be ppm 10	ME-ICP61a Bi ppm 20	ME-ICP61a Ca % 0.05	ME-ICP61a Cd ppm 10	ME-ICP61a Co ppm 10	ME-ICP61a Cr ppm 10	ME-ICP61a Cu ppm 10	ME-ICP61a Fe % 0.05	ME-ICP61a Ga ppm 50
Q461236		5.14	0.02	<1	6.33	<50	290	<10	<20	5.51	<10	40	300	440	8.82	<50
Q461237		2.56	0.04	<1	5.97	<50	190	<10	<20	6.08	<10	50	150	460	7.84	<50
Q461238		0.74	0.02	<1	6.00	<50	100	<10	<20	4.86	<10	30	50	320	17.45	<50
Q461951		3.88	0.01	1	5.42	<50	350	<10	<20	4.12	<10	80	10	260	5.93	<50
Q461952		4.16	0.01	<1	5.65	<50	750	<10	<20	3.47	<10	20	10	110	6.77	<50
Q461953		3.76	0.01	<1	5.98	<50	470	<10	<20	3.56	<10	20	10	230	7.20	<50
Q461954		4.30	0.01	<1	5.33	<50	660	<10	<20	4.03	<10	20	<10	180	6.69	<50
Q461955		4.42	0.01	<1	4.57	<50	120	<10	<20	4.41	<10	50	10	330	2.97	<50
Q461956		5.66	0.06	<1	4.02	<50	100	<10	<20	4.34	<10	30	10	760	2.90	<50
Q461957		3.82	0.01	<1	4.01	<50	80	<10	<20	4.08	<10	40	10	370	2.81	<50
Q461958		7.12	0.10	<1	5.68	<50	170	<10	<20	4.99	<10	30	40	1340	4.23	<50
Q461959		3.72	0.01	<1	7.13	<50	320	<10	<20	7.52	<10	30	100	240	6.91	<50
Q461960		4.54	<0.01	<1	7.05	<50	330	<10	<20	7.47	<10	30	70	90	6.06	<50
Q461961		5.82	<0.01	<1	6.83	<50	280	<10	<20	7.21	<10	40	100	50	7.37	<50
Q461962		5.84	0.03	<1	6.54	<50	310	<10	<20	6.44	<10	30	90	70	10.50	<50
Q461963		5.18	0.02	<1	6.78	<50	370	<10	<20	6.49	<10	30	90	350	8.01	<50
Q461964		5.10	0.01	<1	7.03	<50	360	<10	<20	7.66	<10	40	100	310	7.68	<50
Q461965		5.28	0.01	<1	7.13	<50	340	<10	<20	7.72	<10	40	110	90	7.50	<50
Q461966		5.74	<0.01	<1	7.46	<50	300	<10	<20	7.90	<10	40	90	70	7.14	<50
Q461967		4.56	0.02	<1	7.13	<50	320	<10	<20	7.28	<10	50	90	180	6.95	<50
Q461968		5.74	0.01	<1	6.02	<50	440	<10	<20	4.36	<10	30	30	120	6.16	<50
Q461969		4.40	<0.01	<1	5.38	<50	460	<10	<20	3.70	<10	30	10	110	6.30	<50
Q461970		3.62	0.02	<1	5.82	<50	250	<10	<20	4.62	<10	20	<10	210	6.08	<50
Q461877		<0.02	0.01	<1	5.55	<50	250	<10	<20	4.62	<10	30	<10	220	6.00	<50
Q461971		4.14	<0.01	<1	5.53	<50	490	<10	<20	4.12	<10	20	<10	260	6.46	<50
Q461972		5.34	0.01	<1	5.63	<50	370	<10	<20	4.12	<10	30	<10	20	6.67	<50
Q461973		3.48	0.01	<1	5.72	<50	420	<10	<20	4.35	<10	20	<10	40	6.09	<50
Q461974		5.56	0.01	<1	5.50	<50	180	<10	<20	4.13	<10	20	<10	40	5.92	<50
Q461975		4.96	0.01	<1	6.12	<50	60	<10	<20	4.99	<10	20	<10	10	5.44	<50
Q461976		6.32	0.02	<1	5.86	<50	60	<10	<20	4.76	<10	20	10	80	5.58	<50
Q461977		4.84	0.01	<1	5.31	<50	110	<10	<20	4.28	<10	20	<10	130	6.20	<50
Q461978		4.14	0.02	<1	5.81	<50	90	<10	<20	5.05	<10	20	<10	170	6.13	<50
Q461979		5.54	0.02	<1	5.33	<50	170	<10	<20	4.28	<10	20	<10	50	5.65	<50
Q461980		4.62	0.04	1	5.83	<50	1940	<10	<20	5.47	<10	90	10	2230	6.74	<50
Q461981		5.30	0.01	<1	5.75	<50	360	<10	<20	4.52	<10	40	<10	360	6.14	<50
Q461982		5.92	0.01	<1	6.40	80	180	<10	<20	5.10	<10	80	60	220	7.40	<50
Q461983		4.50	0.02	<1	7.18	80	220	<10	<20	7.93	<10	90	150	130	10.70	<50
Q461984		5.92	<0.01	<1	6.41	<50	940	<10	<20	5.07	<10	120	130	360	8.43	<50
Q461985		4.76	<0.01	2	7.05	<50	3200	<10	<20	4.90	<10	60	140	2060	8.06	<50
Q461986		5.94	0.01	<1	6.80	<50	1440	<10	<20	6.25	<10	40	170	60	7.27	<50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461236		0.6	<50	4.93	1800	<10	2.44	130	780	<20	0.15	<50	30	330	<50	0.41
Q461237		0.5	<50	3.55	1370	<10	2.51	60	880	<20	0.20	<50	20	500	<50	0.39
Q461238		0.4	<50	4.09	1100	<10	2.33	60	1280	<20	0.08	<50	20	270	<50	0.32
Q461951		0.8	<50	1.60	660	<10	3.95	10	1190	<20	0.73	<50	10	310	<50	0.34
Q461952		1.6	<50	1.85	550	<10	3.17	<10	1160	<20	0.06	<50	10	340	<50	0.35
Q461953		1.1	<50	1.98	520	<10	3.59	<10	1120	<20	0.09	<50	20	280	<50	0.37
Q461954		1.3	<50	1.71	530	<10	3.08	<10	1080	<20	0.10	<50	10	310	<50	0.35
Q461955		0.4	<50	0.91	690	<10	5.01	<10	1120	<20	0.40	<50	<10	200	<50	0.30
Q461956		0.2	<50	0.97	710	<10	5.05	10	1210	30	0.85	<50	<10	180	<50	0.32
Q461957		0.2	<50	1.05	820	<10	5.08	<10	1250	30	0.67	<50	<10	190	<50	0.33
Q461958		0.3	<50	1.80	910	<10	4.27	10	1250	<20	0.61	<50	10	280	<50	0.38
Q461959		0.5	<50	3.37	1330	<10	2.59	30	1020	<20	0.27	<50	30	380	<50	0.50
Q461960		0.5	<50	3.02	1280	<10	2.75	20	930	<20	0.16	<50	30	460	<50	0.46
Q461961		0.5	<50	3.43	2080	<10	2.60	30	970	<20	0.16	<50	30	370	<50	0.48
Q461962		0.5	<50	3.82	2100	<10	2.26	20	860	<20	0.22	<50	40	250	<50	0.46
Q461963		0.6	<50	3.47	1910	<10	2.46	30	1070	<20	0.34	<50	30	360	<50	0.48
Q461964		0.5	<50	3.62	1450	<10	2.16	40	1280	<20	0.28	<50	30	350	<50	0.48
Q461965		0.6	<50	3.72	1330	<10	2.22	30	1170	<20	0.24	<50	30	380	<50	0.48
Q461966		0.6	<50	3.44	1440	<10	2.30	40	790	20	0.13	<50	30	410	<50	0.50
Q461967		0.6	<50	3.15	1750	<10	2.34	30	1030	<20	0.26	<50	30	390	<50	0.50
Q461968		0.8	<50	2.08	1100	<10	3.48	10	1080	<20	0.14	<50	20	310	<50	0.37
Q461969		1.1	<50	1.79	640	<10	3.86	<10	1160	<20	0.16	<50	10	270	<50	0.37
Q461970		0.5	<50	1.80	830	<10	4.23	10	1170	<20	0.12	<50	10	300	<50	0.36
Q461877		0.5	<50	1.78	830	<10	4.25	<10	1140	<20	0.12	<50	10	300	<50	0.36
Q461971		0.9	<50	1.79	770	<10	3.66	<10	1070	<20	0.12	<50	10	240	<50	0.37
Q461972		0.6	<50	1.88	1040	<10	3.88	<10	1130	<20	0.14	<50	10	260	<50	0.37
Q461973		0.8	<50	1.77	1280	<10	3.80	<10	1150	<20	0.20	<50	10	260	<50	0.38
Q461974		0.6	<50	1.84	570	<10	3.96	<10	1160	<20	0.10	<50	10	220	<50	0.36
Q461975		0.2	<50	1.89	600	<10	4.13	<10	1180	<20	0.08	<50	10	220	<50	0.37
Q461976		0.2	<50	1.80	560	<10	4.23	<10	1150	<20	0.09	<50	10	230	<50	0.37
Q461977		0.4	<50	1.74	590	<10	3.89	<10	1060	<20	0.13	<50	10	200	<50	0.36
Q461978		0.2	<50	1.74	810	<10	3.70	<10	1050	<20	0.18	<50	10	200	<50	0.35
Q461979		0.4	<50	1.70	1070	<10	4.34	<10	1170	<20	0.12	<50	10	250	<50	0.36
Q461980		1.6	<50	1.85	1820	<10	1.91	20	1060	30	0.72	<50	20	280	<50	0.45
Q461981		0.6	<50	1.98	1230	<10	3.44	10	1040	<20	0.25	<50	10	240	<50	0.38
Q461982		0.3	<50	2.41	1610	10	3.25	20	1120	30	0.30	<50	20	180	<50	0.39
Q461983		0.4	<50	3.95	4210	<10	0.96	50	780	20	0.28	<50	40	160	<50	0.51
Q461984		0.8	<50	3.02	2300	10	2.27	50	1420	<20	1.22	<50	30	300	<50	0.48
Q461985		2.9	<50	3.22	2920	40	1.17	40	530	<20	0.42	<50	30	400	<50	0.39
Q461986		1.4	<50	3.85	2230	<10	1.84	30	500	<20	0.32	<50	40	350	<50	0.36

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461236		<50	<50	280	<50	50
Q461237		<50	<50	270	<50	40
Q461238		<50	<50	850	<50	30
Q461951		<50	<50	230	<50	30
Q461952		<50	<50	270	<50	30
Q461953		<50	<50	280	<50	20
Q461954		<50	<50	280	<50	20
Q461955		<50	<50	120	<50	510
Q461956		<50	<50	120	<50	490
Q461957		<50	<50	130	<50	680
Q461958		<50	<50	190	<50	80
Q461959		<50	<50	280	<50	40
Q461960		<50	<50	260	<50	40
Q461961		<50	<50	290	<50	50
Q461962		<50	<50	370	<50	70
Q461963		<50	<50	330	<50	50
Q461964		<50	<50	320	<50	50
Q461965		<50	<50	320	<50	40
Q461966		<50	<50	280	<50	60
Q461967		<50	<50	270	<50	40
Q461968		<50	<50	250	<50	30
Q461969		<50	<50	270	<50	20
Q461970		<50	<50	260	<50	20
Q461877		<50	<50	270	<50	20
Q461971		<50	<50	290	<50	20
Q461972		<50	<50	290	<50	20
Q461973		<50	<50	270	<50	20
Q461974		<50	<50	270	<50	20
Q461975		<50	<50	260	<50	20
Q461976		<50	<50	270	<50	20
Q461977		<50	<50	270	<50	20
Q461978		<50	<50	260	<50	30
Q461979		<50	<50	250	<50	20
Q461980		<50	<50	360	<50	210
Q461981		<50	<50	260	<50	60
Q461982		<50	<50	270	<50	190
Q461983		<50	<50	310	<50	490
Q461984		<50	<50	310	<50	180
Q461985		<50	<50	250	<50	590
Q461986		<50	<50	210	<50	140

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461987		4.98	0.01	<1	6.72	<50	530	<10	<20	5.72	<10	90	220	400	9.41	<50
Q461988		4.86	0.05	<1	7.11	<50	530	<10	<20	5.54	<10	180	130	780	11.15	<50
Q461989		6.76	0.06	<1	5.79	90	300	<10	<20	5.91	<10	130	270	400	11.45	<50
Q461990		4.44	0.03	<1	7.03	<50	490	<10	<20	5.78	<10	40	80	160	8.11	<50
Q461854		<0.02	<0.01	<1	7.27	<50	490	<10	<20	5.87	<10	40	80	170	8.16	<50
Q461991		5.66	0.01	<1	7.04	<50	420	<10	<20	6.95	<10	40	30	350	7.70	<50
Q461992		5.82	0.01	<1	6.56	<50	680	<10	<20	7.01	<10	50	190	120	9.63	<50
Q461993		4.20	0.01	<1	6.51	<50	370	<10	<20	7.14	<10	50	80	310	9.39	<50
Q461994		3.50	0.18	<1	5.75	<50	190	<10	<20	8.09	<10	50	270	980	8.43	<50
Q461995		4.96	<0.01	<1	6.33	<50	370	<10	<20	8.76	<10	30	40	220	6.18	<50
Q461996		3.62	<0.01	<1	5.89	<50	410	<10	<20	7.35	<10	30	<10	260	4.25	<50
Q461997		4.10	0.02	<1	6.55	<50	200	<10	<20	5.10	<10	110	50	1530	5.76	<50
Q461998		4.86	0.03	<1	5.40	<50	<50	<10	<20	4.59	<10	40	<10	370	3.33	<50
Q461999		5.44	<0.01	<1	6.26	<50	1180	<10	<20	7.13	<10	30	190	260	4.99	<50
Q462000		3.90	0.01	<1	6.13	<50	570	<10	<20	7.77	<10	90	310	120	7.26	<50
Q461301		4.82	0.10	<1	7.24	<50	160	<10	<20	7.34	<10	50	50	1890	8.72	<50
Q461302		2.66	0.01	<1	5.93	<50	50	<10	<20	5.71	<10	30	50	50	5.96	<50
Q461303		4.68	0.08	<1	7.18	<50	80	<10	<20	6.34	<10	40	50	1350	9.17	<50
Q461304		4.28	0.07	<1	7.18	<50	120	<10	<20	6.61	<10	30	50	1120	8.34	<50
Q461305		4.56	0.03	<1	7.24	<50	370	<10	<20	7.15	<10	30	50	680	9.21	<50
Q461306		2.54	0.08	<1	7.03	<50	210	<10	<20	6.69	<10	40	20	1530	9.40	<50
Q461307		3.62	0.06	<1	6.73	<50	170	<10	<20	7.59	<10	50	50	800	7.16	<50
Q461308		4.32	0.04	<1	7.22	<50	170	<10	<20	8.18	<10	50	50	820	7.30	<50
Q461309		4.50	0.13	<1	7.13	<50	170	<10	<20	7.24	<10	50	60	2190	8.72	<50
Q461310		3.10	0.06	<1	7.54	<50	140	<10	<20	7.12	<10	40	40	1420	10.25	<50
Q461876		<0.02	0.08	<1	7.32	<50	150	<10	<20	7.12	<10	30	40	1420	10.20	<50
Q461311		5.06	0.02	<1	7.12	<50	170	<10	<20	7.04	<10	30	50	280	9.57	<50
Q461312		5.12	0.02	<1	7.14	<50	150	<10	<20	7.84	<10	20	20	380	7.20	<50
Q461313		3.52	0.03	<1	7.07	<50	190	<10	<20	6.75	<10	30	10	390	7.58	<50
Q461314		4.56	0.03	<1	7.12	<50	150	<10	<20	5.96	<10	30	10	500	9.15	<50
Q461315		3.42	0.01	<1	6.92	<50	160	<10	<20	7.47	<10	30	10	280	7.34	<50
Q461316		3.76	0.03	<1	7.19	<50	140	<10	<20	7.15	<10	30	20	300	7.83	<50
Q461317		3.96	0.02	<1	6.97	<50	120	<10	<20	7.69	<10	30	30	200	8.31	<50
Q461318		4.72	0.26	<1	7.52	<50	130	<10	<20	7.88	<10	40	10	2500	11.00	<50
Q461319		5.28	0.03	<1	7.27	<50	150	<10	<20	7.54	<10	30	10	460	9.15	<50
Q461320		3.82	0.12	<1	7.27	<50	150	<10	<20	6.95	<10	30	10	1260	8.99	<50
Q461321		2.60	0.01	<1	7.01	<50	160	<10	<20	8.11	<10	20	10	670	7.61	<50
Q461851		2.68	<0.01	<1	7.16	50	360	<10	<20	7.38	<10	30	70	70	6.93	<50
Q461852		2.92	<0.01	<1	6.55	<50	240	<10	<20	7.21	<10	30	160	130	7.56	<50
Q461780		2.70	0.20	<1	6.79	<50	170	<10	<20	6.58	<10	100	80	3070	12.25	<50

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Finalized Date: 8-MAY-2014
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CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461987		0.8	<50	4.59	1460	<10	1.76	60	380	<20	1.23	<50	40	320	<50	0.49
Q461988		1.0	<50	3.13	1980	<10	1.40	80	710	<20	2.55	<50	30	330	<50	0.41
Q461989		0.4	<50	5.14	2280	<10	1.53	70	560	<20	1.09	<50	40	180	<50	0.41
Q461990		0.7	<50	2.82	1160	<10	2.48	20	970	<20	0.41	<50	20	490	<50	0.46
Q461854		0.7	<50	2.83	1190	<10	2.50	30	950	<20	0.40	<50	20	480	<50	0.46
Q461991		0.7	<50	2.56	1660	<10	2.28	10	1080	<20	0.40	<50	20	520	<50	0.44
Q461992		1.0	<50	4.50	2310	<10	1.38	50	740	<20	0.57	<50	40	370	<50	0.47
Q461993		0.6	<50	4.03	2120	<10	1.62	40	750	<20	0.43	<50	50	340	<50	0.52
Q461994		0.4	<50	4.92	2060	<10	1.41	60	550	<20	0.30	<50	40	300	<50	0.39
Q461995		0.5	<50	2.27	1350	<10	2.49	<10	860	<20	0.25	<50	20	330	<50	0.34
Q461996		0.8	<50	1.30	1880	<10	3.60	<10	1540	<20	0.19	<50	10	340	<50	0.36
Q461997		0.2	<50	2.61	1240	40	3.87	30	1590	<20	0.97	<50	20	350	<50	0.42
Q461998		<0.1	<50	1.72	910	10	4.84	<10	1380	<20	0.16	<50	10	210	<50	0.42
Q461999		1.4	<50	3.80	1100	<10	2.33	60	2080	<20	0.08	<50	20	490	<50	0.57
Q462000		0.8	<50	4.96	1350	<10	1.33	80	680	<20	0.59	<50	40	240	<50	0.40
Q461301		0.4	<50	3.50	1020	<10	2.32	70	1120	<20	0.43	<50	30	400	<50	0.41
Q461302		<0.1	<50	2.02	1280	<10	3.72	20	1190	<20	<0.05	<50	10	390	<50	0.48
Q461303		0.1	<50	2.62	1110	<10	2.97	70	1250	<20	0.33	<50	20	450	<50	0.48
Q461304		0.3	<50	2.88	970	<10	2.93	50	1370	<20	0.25	<50	20	490	<50	0.49
Q461305		0.4	<50	3.09	750	<10	2.46	30	1530	<20	0.17	<50	30	630	<50	0.50
Q461306		0.4	<50	2.56	750	<10	2.69	40	1040	<20	0.38	<50	20	590	<50	0.42
Q461307		0.4	<50	3.20	760	<10	2.39	50	1370	<20	0.31	<50	30	420	<50	0.48
Q461308		0.4	<50	3.41	840	<10	2.48	60	1270	<20	0.29	<50	30	470	<50	0.49
Q461309		0.5	<50	3.55	830	<10	2.32	80	1680	<20	0.47	<50	30	450	<50	0.50
Q461310		0.2	<50	2.77	600	<10	2.63	50	1480	<20	0.28	<50	30	490	<50	0.47
Q461876		0.2	<50	2.73	600	<10	2.60	40	1440	<20	0.28	<50	30	480	<50	0.47
Q461311		0.4	<50	3.09	710	<10	2.58	30	1640	<20	0.09	<50	30	570	<50	0.48
Q461312		0.3	<50	3.01	660	<10	2.55	20	1590	<20	0.08	<50	30	590	<50	0.51
Q461313		0.3	<50	2.44	660	<10	3.02	20	1550	<20	0.11	<50	20	580	<50	0.48
Q461314		0.3	<50	2.51	540	<10	3.38	20	1730	<20	0.19	<50	20	440	<50	0.42
Q461315		0.4	<50	2.68	800	<10	2.63	20	1630	60	0.11	<50	20	620	<50	0.55
Q461316		0.3	<50	2.76	750	<10	2.70	20	1390	<20	0.06	<50	20	500	<50	0.51
Q461317		0.3	<50	3.23	670	<10	2.54	20	1280	<20	0.07	<50	30	500	<50	0.51
Q461318		0.3	<50	2.69	650	<10	2.40	50	1650	<20	0.39	<50	20	450	<50	0.48
Q461319		0.4	<50	2.55	740	<10	2.65	30	1670	<20	0.09	<50	20	530	<50	0.47
Q461320		0.5	<50	2.78	900	<10	2.66	30	1590	<20	0.25	<50	20	430	<50	0.51
Q461321		0.5	<50	2.66	790	<10	2.47	20	1660	<20	0.10	<50	20	570	<50	0.48
Q461851		0.7	<50	2.86	1200	<10	2.27	20	670	<20	0.60	<50	30	360	<50	0.42
Q461852		0.5	<50	3.73	1890	<10	2.47	70	860	<20	0.14	<50	30	310	<50	0.45
Q461780		0.4	<50	3.42	900	<10	2.20	60	800	<20	0.88	<50	30	320	<50	0.52

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461987		<50	<50	260	<50	40
Q461988		<50	<50	270	<50	70
Q461989		<50	<50	270	<50	120
Q461990		<50	<50	280	<50	40
Q461854		<50	<50	280	<50	50
Q461991		<50	<50	290	<50	130
Q461992		<50	<50	330	<50	160
Q461993		<50	<50	380	<50	390
Q461994		<50	<50	270	<50	510
Q461995		<50	<50	210	<50	160
Q461996		<50	<50	200	<50	370
Q461997		<50	<50	270	<50	70
Q461998		<50	<50	250	<50	60
Q461999		<50	<50	250	<50	140
Q462000		<50	<50	220	<50	50
Q461301		<50	<50	360	<50	70
Q461302		<50	<50	200	<50	100
Q461303		<50	<50	340	<50	80
Q461304		<50	<50	340	<50	70
Q461305		<50	<50	350	<50	30
Q461306		<50	<50	320	<50	40
Q461307		<50	<50	340	<50	40
Q461308		<50	<50	370	<50	40
Q461309		<50	<50	420	<50	50
Q461310		<50	<50	360	<50	30
Q461876		<50	<50	360	<50	30
Q461311		<50	<50	420	<50	30
Q461312		<50	<50	380	<50	30
Q461313		<50	<50	340	<50	30
Q461314		<50	<50	340	<50	20
Q461315		<50	<50	340	<50	40
Q461316		<50	<50	330	<50	30
Q461317		<50	<50	380	<50	30
Q461318		<50	<50	430	<50	30
Q461319		<50	<50	370	<50	40
Q461320		<50	<50	340	<50	50
Q461321		<50	<50	350	<50	40
Q461851		<50	<50	280	<50	40
Q461852		<50	<50	250	<50	70
Q461780		<50	<50	360	<50	40

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461867		<0.02	0.19	1	6.58	<50	170	<10	<20	6.61	<10	100	80	3050	12.10	<50
Q461322		12.40	0.03	<1	6.68	<50	110	<10	<20	7.63	<10	20	40	470	9.78	<50

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461867		0.6	<50	3.36	910	<10	2.20	70	760	20	0.88	<50	30	320	<50	0.52
Q461322		0.3	<50	2.71	670	<10	2.58	40	1420	20	0.12	<50	20	410	<50	0.41

***** See Appendix Page for comments regarding this certificate *****

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310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

Sample Description	Method / Analyte / Units / LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461867		<50	<50	350	<50	80
Q461322		<50	<50	400	<50	130

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14064175

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA26	CRU-31	CRU-QC	EXTRA-01
LOG-21	LOG-21d	ME-ICP61a	PUL-31
PUL-QC	SPL-21	SPL-34	WEI-21

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6-MAY-2014
Account: TRCAD

CERTIFICATE VA14063806

This report is for 101 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 28-APR-2014.

The following have access to data associated with this certificate:

JOHN BUCKLE	ERIK OSTENSOE	FARSHAD SHIRVANI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-34	Pulp Splitting Charge
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

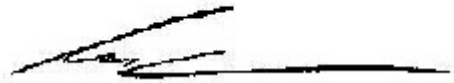
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-ICP61a	High Grade Four Acid ICP-AES	ICP-AES

To: **TERRACAD GEOSCIENCE**
ATTN: ERIK OSTENSOE
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: Last sample Q461860 is pulp dup of Q461600

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14063806

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461551		6.28	<0.01	<1	6.64	<50	490	<10	<20	6.27	<10	50	180	190	7.51	<50
Q461552		3.32	0.01	<1	5.78	<50	310	<10	<20	6.65	<10	40	110	90	6.28	<50
Q461553		3.18	<0.01	<1	6.61	<50	320	<10	<20	6.38	<10	60	210	100	8.86	<50
Q461554		4.92	<0.01	<1	6.54	<50	330	<10	<20	7.41	<10	40	120	80	6.36	<50
Q461555		4.14	0.01	<1	6.49	<50	410	<10	<20	6.71	<10	40	80	90	6.52	<50
Q461556		4.20	<0.01	<1	6.93	<50	290	<10	<20	6.81	<10	50	200	170	8.43	<50
Q461557		6.06	<0.01	<1	6.61	<50	430	<10	<20	6.89	<10	90	180	320	8.81	<50
Q461558		4.36	0.01	<1	6.88	<50	530	<10	<20	5.72	<10	120	150	280	8.39	<50
Q461559		5.26	<0.01	<1	6.13	<50	790	<10	<20	5.51	<10	130	140	410	7.77	<50
Q461560		6.94	0.01	<1	6.00	<50	860	<10	<20	5.33	<10	130	130	180	8.87	<50
Q461853		<0.02	0.01	<1	6.09	<50	880	<10	<20	5.35	<10	140	130	190	9.01	<50
Q461561		3.54	<0.01	<1	7.13	<50	620	<10	<20	6.30	<10	110	150	150	9.12	<50
Q461562		4.88	<0.01	<1	6.96	<50	620	<10	<20	6.32	<10	130	130	100	8.97	<50
Q461563		5.28	<0.01	<1	7.01	<50	410	<10	<20	6.41	<10	80	130	160	8.97	<50
Q461564		4.78	<0.01	<1	6.95	<50	660	<10	<20	5.97	<10	130	140	270	9.23	<50
Q461565		6.10	<0.01	<1	7.18	<50	970	<10	<20	5.22	<10	140	160	610	9.66	<50
Q461566		5.54	0.01	<1	7.14	<50	460	<10	<20	5.98	<10	80	160	500	8.36	<50
Q461567		5.12	0.02	<1	6.46	<50	320	<10	<20	5.87	<10	100	120	470	7.80	<50
Q461568		5.74	0.01	<1	6.75	<50	440	<10	<20	6.37	<10	70	160	190	8.11	<50
Q461569		4.52	0.02	<1	6.83	<50	250	<10	<20	6.15	<10	60	150	370	7.87	<50
Q461570		5.66	0.01	<1	6.95	<50	260	<10	<20	6.82	<10	70	180	220	8.46	<50
Q461571		5.72	0.02	<1	6.82	<50	300	<10	<20	7.09	<10	50	200	240	8.03	<50
Q461572		5.64	0.02	<1	6.74	<50	300	<10	<20	6.17	<10	80	180	300	7.43	<50
Q461573		2.94	0.04	<1	5.81	<50	290	<10	<20	5.63	<10	260	120	610	9.36	<50
Q461574		3.30	0.17	1	6.33	<50	330	<10	<20	3.98	<10	890	150	5490	16.15	<50
Q461575		2.64	0.28	5	5.86	<50	430	<10	<20	4.67	<10	1600	160	13600	16.50	<50
Q461576		2.66	0.01	<1	6.41	<50	260	<10	<20	5.22	<10	80	220	560	7.22	<50
Q461577		4.66	0.01	<1	6.18	<50	250	<10	<20	5.62	<10	100	130	310	7.77	<50
Q461578		5.66	0.05	<1	6.26	<50	190	<10	<20	6.50	<10	100	110	570	8.45	<50
Q461579		6.22	0.05	<1	5.73	<50	300	<10	<20	5.60	<10	190	140	860	9.87	<50
Q461580		4.82	0.10	<1	6.94	<50	300	<10	<20	6.90	<10	70	240	330	8.14	<50
Q461855		<0.02	0.12	<1	6.88	<50	290	<10	<20	6.86	<10	70	230	340	8.06	<50
Q461581		4.82	0.01	<1	6.81	<50	270	<10	<20	6.59	<10	60	240	190	7.76	<50
Q461582		5.74	0.02	<1	6.35	<50	190	<10	<20	7.93	<10	60	330	210	7.64	<50
Q461583		5.38	<0.01	<1	6.50	<50	270	<10	<20	7.71	<10	40	290	70	6.94	<50
Q461584		5.62	0.01	<1	6.80	<50	350	<10	<20	7.24	<10	50	220	230	6.83	<50
Q461585		5.50	0.01	<1	6.14	<50	250	<10	<20	7.49	<10	50	300	280	7.75	<50
Q461586		5.58	0.01	<1	6.26	<50	250	<10	<20	7.97	<10	50	320	140	7.35	<50
Q461587		5.20	0.01	<1	6.38	<50	260	<10	<20	8.19	<10	40	320	100	6.72	<50
Q461588		5.44	<0.01	<1	6.56	<50	270	<10	<20	7.84	<10	40	280	50	6.79	<50

Comments: Last sample Q461860 is pulp dup of Q461600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14063806

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461551		1.0	<50	3.78	2040	<10	2.20	60	1030	<20	0.32	<50	30	340	<50	0.43
Q461552		0.8	<50	2.93	1400	<10	2.46	40	1110	<20	0.18	<50	20	340	<50	0.43
Q461553		0.9	<50	4.24	1520	<10	2.06	70	1130	<20	0.38	<50	30	280	<50	0.45
Q461554		0.8	<50	3.39	1090	<10	2.14	40	2750	<20	0.33	<50	20	390	<50	0.42
Q461555		1.0	<50	3.29	1060	<10	2.13	30	970	<20	0.25	<50	20	480	<50	0.41
Q461556		0.8	<50	4.39	1370	<10	2.05	50	1060	<20	0.20	<50	40	340	<50	0.46
Q461557		0.9	<50	4.03	1490	10	1.70	40	890	<20	0.61	<50	30	360	<50	0.43
Q461558		1.2	<50	3.70	1550	<10	2.13	50	1090	<20	0.66	<50	40	370	<50	0.46
Q461559		1.5	<50	3.34	1480	<10	1.93	40	830	<20	0.62	<50	30	360	<50	0.44
Q461560		1.5	<50	3.00	1750	20	2.04	30	1150	<20	0.90	<50	20	310	<50	0.41
Q461853		1.5	<50	3.06	1750	20	2.05	50	1200	<20	0.93	<50	20	310	<50	0.41
Q461561		1.0	<50	3.76	1530	<10	1.95	50	1020	<20	0.70	<50	40	350	<50	0.46
Q461562		1.4	<50	3.62	1620	<10	1.75	40	1080	<20	0.67	<50	30	400	<50	0.46
Q461563		1.0	<50	3.68	1530	<10	1.97	40	1030	<20	0.47	<50	30	370	<50	0.44
Q461564		1.1	<50	3.50	2070	10	1.96	40	1030	<20	0.73	<50	30	440	<50	0.45
Q461565		1.7	<50	3.97	2030	10	1.75	50	970	<20	1.06	<50	40	330	<50	0.44
Q461566		1.0	<50	4.08	1780	<10	2.14	50	1080	<20	0.79	<50	30	320	<50	0.47
Q461567		0.8	<50	3.58	1240	10	2.33	30	990	<20	1.11	<50	30	380	<50	0.45
Q461568		0.8	<50	3.88	900	<10	2.16	40	940	<20	0.61	<50	30	390	<50	0.45
Q461569		0.9	<50	4.08	1030	<10	2.25	50	1150	<20	0.69	<50	30	310	<50	0.43
Q461570		0.8	<50	4.38	930	<10	2.11	60	960	<20	0.54	<50	40	330	<50	0.45
Q461571		0.8	<50	4.46	900	<10	1.99	50	840	<20	0.48	<50	30	330	<50	0.45
Q461572		0.8	<50	3.84	780	<10	2.23	50	1180	<20	1.05	<50	20	400	<50	0.46
Q461573		0.8	<50	3.07	610	<10	2.29	60	1080	<20	3.27	<50	20	460	<50	0.44
Q461574		0.8	160	3.58	750	60	1.60	130	930	<20	9.78	<50	30	280	<50	0.39
Q461575		1.1	<50	2.92	1330	30	1.38	170	670	70	>10.0	<50	20	260	<50	0.29
Q461576		0.8	<50	3.87	1240	<10	2.44	40	500	<20	0.78	<50	20	380	<50	0.33
Q461577		0.7	<50	3.29	1380	<10	2.54	50	690	<20	1.04	<50	20	390	<50	0.40
Q461578		0.6	<50	3.33	1130	<10	2.16	50	600	<20	1.57	<50	20	270	<50	0.41
Q461579		0.7	<50	3.42	1120	<10	2.03	80	1070	<20	3.28	<50	20	310	<50	0.41
Q461580		0.8	<50	4.56	1690	<10	2.00	70	970	<20	0.53	<50	40	310	<50	0.47
Q461855		0.8	<50	4.52	1690	<10	1.99	70	930	<20	0.52	<50	40	300	<50	0.46
Q461581		0.9	<50	4.78	1460	<10	2.15	90	1000	<20	0.50	<50	30	310	<50	0.47
Q461582		0.7	<50	5.54	1370	<10	1.68	120	960	<20	0.52	<50	30	250	<50	0.44
Q461583		0.9	<50	5.48	1220	<10	1.93	100	950	<20	0.20	<50	40	300	<50	0.48
Q461584		1.0	<50	4.81	1240	<10	1.99	90	630	<20	0.33	<50	30	310	<50	0.48
Q461585		0.7	<50	5.69	1190	<10	1.79	140	780	20	0.36	<50	40	250	<50	0.47
Q461586		0.7	<50	5.84	1320	<10	1.76	120	940	<20	0.13	<50	40	260	<50	0.48
Q461587		0.9	<50	5.78	1190	<10	1.80	120	800	<20	0.08	<50	40	300	<50	0.48
Q461588		0.6	<50	5.20	1190	<10	1.92	80	740	<20	0.09	<50	40	320	<50	0.45

Comments: Last sample Q461860 is pulp dup of Q461600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14063806

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461551		<50	<50	260	<50	60
Q461552		<50	<50	250	<50	60
Q461553		<50	<50	280	<50	70
Q461554		<50	<50	230	<50	40
Q461555		<50	<50	290	<50	40
Q461556		<50	<50	320	<50	60
Q461557		<50	<50	290	<50	80
Q461558		<50	<50	280	<50	60
Q461559		<50	<50	280	<50	150
Q461560		<50	<50	260	<50	50
Q461853		<50	<50	260	<50	60
Q461561		<50	<50	300	<50	100
Q461562		<50	<50	290	<50	100
Q461563		<50	<50	280	<50	150
Q461564		<50	<50	270	<50	50
Q461565		<50	<50	280	<50	50
Q461566		<50	<50	300	<50	50
Q461567		<50	<50	290	<50	50
Q461568		<50	<50	290	<50	30
Q461569		<50	<50	270	<50	40
Q461570		<50	<50	280	<50	40
Q461571		<50	<50	290	<50	40
Q461572		<50	<50	240	<50	30
Q461573		<50	<50	250	<50	30
Q461574		<50	<50	260	<50	60
Q461575		<50	<50	190	<50	160
Q461576		<50	<50	190	<50	40
Q461577		<50	<50	240	<50	50
Q461578		<50	<50	260	<50	40
Q461579		<50	<50	260	<50	80
Q461580		<50	<50	280	<50	190
Q461855		<50	<50	270	<50	190
Q461581		<50	<50	260	<50	50
Q461582		<50	<50	240	<50	40
Q461583		<50	<50	270	<50	50
Q461584		<50	<50	270	<50	130
Q461585		<50	<50	270	<50	50
Q461586		<50	<50	280	<50	50
Q461587		<50	<50	270	<50	60
Q461588		<50	<50	250	<50	40

Comments: Last sample Q461860 is pulp dup of Q461600

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14063806

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461589		5.92	0.01	<1	6.44	<50	210	<10	<20	7.77	<10	50	270	100	7.70	<50
Q461590		3.52	0.01	<1	6.64	<50	240	<10	<20	7.20	<10	70	300	190	7.28	<50
Q461591		5.74	<0.01	<1	6.58	<50	280	<10	<20	7.37	<10	40	320	70	6.06	<50
Q461592		5.16	<0.01	<1	6.57	<50	250	<10	<20	8.62	<10	40	260	120	7.55	<50
Q461593		5.80	0.01	<1	6.59	<50	180	<10	<20	7.77	<10	60	270	140	6.66	<50
Q461594		6.30	0.01	<1	7.30	<50	280	<10	<20	7.62	<10	40	190	160	7.69	<50
Q461595		4.04	0.03	<1	7.16	<50	200	<10	<20	6.86	<10	80	150	370	8.39	<50
Q461596		2.44	0.45	3	6.78	50	200	<10	<20	8.15	<10	490	70	6520	12.00	<50
Q461597		2.04	5.92	1	6.11	<50	120	<10	<20	6.32	<10	80	10	4870	8.96	<50
Q461598		5.62	0.09	<1	6.23	50	70	<10	<20	4.82	<10	40	10	1330	6.86	<50
Q461599		4.80	0.15	<1	6.92	<50	460	<10	<20	5.89	<10	100	80	1690	7.43	<50
Q461600		5.84	0.10	<1	6.75	<50	280	<10	<20	5.69	<10	110	90	1230	8.20	<50
Q461601		4.06	<0.01	<1	6.28	<50	820	<10	<20	5.17	<10	20	60	110	5.90	<50
Q461602		5.68	0.08	<1	5.74	<50	280	<10	<20	4.90	<10	30	30	940	5.13	<50
Q461603		5.06	0.17	<1	6.42	<50	240	<10	<20	6.17	<10	30	80	2420	6.48	<50
Q461604		5.14	0.01	<1	7.52	<50	280	<10	<20	7.82	<10	30	80	90	6.97	<50
Q461605		5.94	<0.01	<1	7.80	<50	350	<10	<20	7.37	<10	40	80	140	6.79	<50
Q461606		5.72	0.01	<1	6.82	<50	280	<10	<20	6.19	<10	30	20	120	5.12	<50
Q461607		4.74	0.03	<1	6.87	<50	270	<10	<20	6.13	<10	80	70	290	7.48	<50
Q461608		6.12	0.01	<1	6.88	<50	320	<10	<20	7.41	<10	30	80	150	6.82	<50
Q461609		6.32	<0.01	<1	7.23	<50	280	<10	<20	7.69	<10	30	70	180	5.90	<50
Q461610		4.92	0.01	<1	7.42	<50	290	<10	<20	7.87	<10	30	90	40	7.24	<50
Q461611		4.00	<0.01	<1	6.63	<50	270	<10	<20	7.22	<10	40	70	70	6.50	<50
Q461612		6.46	0.03	<1	6.43	<50	300	<10	<20	6.18	<10	40	70	450	7.15	<50
Q461613		4.48	0.05	<1	6.89	<50	250	<10	<20	6.36	<10	30	110	610	7.41	<50
Q461614		5.18	<0.01	<1	6.87	<50	270	<10	<20	6.11	<10	30	90	60	6.15	<50
Q461615		4.74	<0.01	<1	7.28	<50	290	<10	<20	6.33	<10	30	90	90	6.56	<50
Q461616		6.54	0.01	1	6.42	<50	220	<10	<20	7.07	<10	40	60	80	6.32	<50
Q461617		4.32	<0.01	<1	6.23	<50	200	<10	<20	6.25	<10	40	80	110	6.96	<50
Q461618		7.64	<0.01	<1	6.97	<50	290	<10	<20	7.28	<10	40	90	60	7.17	<50
Q461619		3.68	<0.01	<1	7.19	<50	310	<10	<20	7.20	<10	30	110	60	7.33	<50
Q461620		2.74	<0.01	<1	7.21	<50	370	<10	<20	6.52	<10	40	100	40	7.23	<50
Q461621		5.24	<0.01	<1	6.33	<50	310	<10	<20	6.61	<10	30	40	60	5.46	<50
Q461622		5.08	<0.01	<1	5.18	<50	170	<10	<20	5.41	<10	40	10	110	4.48	<50
Q461623		4.76	<0.01	<1	6.24	<50	360	<10	<20	6.45	<10	40	70	80	6.46	<50
Q461624		5.44	0.01	<1	6.40	<50	320	<10	<20	6.82	<10	50	80	90	7.87	<50
Q461625		3.64	0.01	<1	6.91	<50	390	<10	<20	6.77	<10	40	100	50	7.45	<50
Q461626		4.24	0.02	<1	6.41	<50	330	<10	<20	7.48	<10	50	120	60	7.90	<50
Q461627		7.78	0.01	<1	6.57	<50	310	<10	<20	5.10	<10	70	50	60	6.17	<50
Q461628		4.38	0.05	<1	6.23	<50	430	<10	<20	6.44	<10	40	60	30	5.72	<50

Comments: Last sample Q461860 is pulp dup of Q461600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14063806

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461589		0.7	<50	4.94	1410	<10	1.90	90	740	<20	0.19	<50	30	280	<50	0.47
Q461590		0.7	<50	5.07	1140	<10	2.10	70	400	<20	0.40	<50	40	290	<50	0.47
Q461591		0.8	<50	5.09	1100	<10	2.18	70	530	<20	0.15	<50	40	390	<50	0.48
Q461592		0.7	<50	5.29	1270	<10	1.68	100	2050	20	0.15	<50	40	270	<50	0.51
Q461593		0.6	<50	5.20	1130	<10	2.13	80	640	<20	0.21	<50	40	310	<50	0.47
Q461594		0.6	<50	4.48	1030	<10	2.08	70	900	<20	0.21	<50	40	400	<50	0.55
Q461595		0.7	<50	3.67	820	10	2.48	70	900	<20	0.76	<50	30	310	<50	0.51
Q461596		0.5	<50	2.13	1100	50	1.63	80	1060	60	5.58	<50	20	760	<50	0.36
Q461597		0.4	<50	2.07	1280	<10	3.03	20	1180	<20	1.39	<50	20	540	<50	0.34
Q461598		0.2	<50	2.17	1200	<10	3.92	10	1110	<20	0.33	<50	20	320	<50	0.38
Q461599		0.7	<50	3.20	1450	<10	2.75	30	1010	<20	0.74	<50	20	340	<50	0.48
Q461600		0.7	<50	3.16	1130	<10	2.51	50	990	<20	1.24	<50	20	430	<50	0.47
Q461601		0.9	<50	2.12	930	<10	3.04	30	1760	<20	0.11	<50	20	570	<50	0.58
Q461602		0.8	<50	1.97	690	<10	3.76	20	1050	<20	0.59	<50	10	440	<50	0.38
Q461603		0.7	<50	2.85	990	<10	2.82	40	840	<20	0.81	<50	20	400	<50	0.47
Q461604		0.6	<50	3.54	1140	<10	2.44	40	920	<20	0.22	<50	30	330	<50	0.49
Q461605		0.6	<50	3.30	1230	<10	2.53	40	960	40	0.22	<50	30	450	<50	0.48
Q461606		0.7	<50	2.07	1050	<10	3.02	20	1090	<20	0.46	<50	10	450	<50	0.39
Q461607		0.7	<50	3.09	1710	<10	2.63	20	930	20	0.89	<50	30	410	<50	0.46
Q461608		0.6	<50	3.28	1570	<10	2.39	20	880	<20	0.15	<50	30	380	<50	0.49
Q461609		0.7	<50	3.26	1590	<10	2.47	20	390	<20	0.08	<50	30	420	<50	0.47
Q461610		0.7	<50	3.66	1650	<10	2.29	30	690	<20	0.07	<50	40	380	<50	0.54
Q461611		0.5	<50	2.62	1680	<10	2.48	30	790	<20	0.44	<50	20	340	<50	0.45
Q461612		0.6	<50	2.85	1320	<10	2.36	30	1030	<20	0.89	<50	20	360	<50	0.47
Q461613		0.6	<50	3.55	1540	<10	2.58	30	920	<20	0.48	<50	30	360	<50	0.48
Q461614		0.7	<50	2.85	1560	<10	3.06	20	1030	<20	0.20	<50	20	420	<50	0.47
Q461615		0.6	<50	3.12	1580	<10	2.80	20	1170	<20	0.40	<50	30	420	<50	0.47
Q461616		0.5	<50	2.53	1750	<10	2.63	20	1080	20	0.27	<50	20	340	<50	0.44
Q461617		0.5	<50	2.67	2240	<10	2.88	30	900	<20	0.33	<50	20	330	<50	0.50
Q461618		0.6	<50	2.99	1920	<10	2.34	30	980	20	0.14	<50	30	350	<50	0.49
Q461619		0.7	<50	3.31	1600	<10	2.20	30	730	<20	0.13	<50	30	340	<50	0.47
Q461620		0.8	<50	2.95	1380	<10	2.43	30	750	<20	0.23	<50	30	390	<50	0.45
Q461621		0.6	<50	2.07	1020	<10	3.13	20	780	20	0.26	<50	10	490	<50	0.38
Q461622		0.4	<50	1.59	990	<10	3.81	10	940	20	0.28	<50	10	380	<50	0.36
Q461623		0.7	<50	2.60	1380	<10	2.67	30	670	20	0.28	<50	20	410	<50	0.39
Q461624		0.7	<50	3.05	2150	<10	2.46	40	580	<20	0.60	<50	30	340	<50	0.43
Q461625		0.9	<50	3.30	2100	<10	2.32	40	680	<20	0.15	<50	30	380	<50	0.43
Q461626		0.7	<50	3.63	3120	<10	2.10	40	580	20	0.12	<50	30	260	<50	0.42
Q461627		0.5	<50	2.25	3320	10	3.66	20	980	<20	0.40	<50	20	260	<50	0.39
Q461628		0.6	<50	2.20	2410	<10	2.98	20	730	<20	0.16	<50	10	350	<50	0.42

Comments: Last sample Q461860 is pulp dup of Q461600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14063806

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461589		<50	<50	270	<50	50
Q461590		<50	<50	210	<50	40
Q461591		<50	<50	200	<50	40
Q461592		<50	<50	300	<50	70
Q461593		<50	<50	240	<50	40
Q461594		<50	<50	320	<50	50
Q461595		<50	<50	290	<50	40
Q461596		<50	<50	230	<50	110
Q461597		<50	<50	240	<50	100
Q461598		<50	<50	280	<50	70
Q461599		<50	<50	270	<50	170
Q461600		<50	<50	270	<50	70
Q461601		<50	<50	220	<50	60
Q461602		<50	<50	210	<50	40
Q461603		<50	<50	290	<50	40
Q461604		<50	<50	300	<50	40
Q461605		<50	<50	290	<50	60
Q461606		<50	<50	210	<50	40
Q461607		<50	<50	290	<50	260
Q461608		<50	<50	290	<50	80
Q461609		<50	<50	210	<50	50
Q461610		<50	<50	300	<50	50
Q461611		<50	<50	260	<50	190
Q461612		<50	<50	290	<50	50
Q461613		<50	<50	270	<50	50
Q461614		<50	<50	240	<50	80
Q461615		<50	<50	260	<50	60
Q461616		<50	<50	270	<50	130
Q461617		<50	<50	300	<50	260
Q461618		<50	<50	310	<50	100
Q461619		<50	<50	310	<50	60
Q461620		<50	<50	280	<50	50
Q461621		<50	<50	260	<50	30
Q461622		<50	<50	220	<50	160
Q461623		<50	<50	270	<50	40
Q461624		<50	<50	300	<50	120
Q461625		<50	<50	300	<50	60
Q461626		<50	<50	310	<50	190
Q461627		<50	<50	260	<50	950
Q461628		<50	<50	320	<50	400

Comments: Last sample Q461860 is pulp dup of Q461600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14063806

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461629		5.52	0.01	<1	4.83	<50	290	<10	<20	4.91	<10	160	30	830	6.08	<50
Q461630		3.68	<0.01	<1	6.42	<50	470	<10	<20	7.88	<10	100	130	180	8.20	<50
Q461631		4.22	0.01	<1	6.55	<50	290	<10	<20	6.59	<10	60	120	120	7.76	<50
Q461632		6.18	0.02	<1	6.40	<50	230	<10	<20	5.86	<10	190	60	230	9.64	<50
Q461633		4.80	<0.01	<1	6.76	<50	110	<10	<20	6.33	<10	40	10	120	8.34	<50
Q461634		5.14	<0.01	<1	6.01	<50	160	<10	<20	5.46	<10	30	10	360	6.09	<50
Q461635		4.86	<0.01	<1	7.06	<50	260	<10	<20	7.61	<10	30	110	120	6.98	<50
Q461636		5.54	<0.01	<1	6.43	<50	200	<10	<20	7.19	<10	30	150	80	7.04	<50
Q461637		5.82	<0.01	<1	6.84	<50	350	<10	<20	6.83	<10	30	160	100	7.17	<50
Q461638		5.54	<0.01	<1	6.83	<50	380	<10	<20	7.44	<10	30	150	40	6.83	<50
Q461639		4.84	0.03	<1	7.06	<50	320	<10	<20	7.53	<10	30	150	20	6.91	<50
Q461640		2.86	0.01	<1	6.57	<50	260	<10	<20	7.27	<10	40	180	70	7.48	<50
Q461641		5.24	0.01	<1	6.63	<50	360	<10	<20	8.29	<10	40	240	50	7.73	<50
Q461642		5.36	0.01	<1	6.59	<50	380	<10	<20	7.28	<10	30	160	40	6.54	<50
Q461643		4.98	<0.01	<1	6.84	<50	390	<10	<20	7.80	<10	30	140	70	7.48	<50
Q461644		5.42	<0.01	<1	7.05	<50	360	<10	<20	8.04	<10	30	100	60	7.23	<50
Q461645		4.76	0.01	<1	6.85	<50	360	<10	<20	7.40	<10	50	170	120	7.36	<50
Q461646		5.74	<0.01	<1	6.59	<50	210	<10	<20	8.20	<10	40	200	60	7.18	<50
Q461647		5.36	0.05	<1	6.57	<50	290	<10	<20	7.26	<10	40	160	70	6.93	<50
Q461648		4.76	0.02	<1	6.35	<50	290	<10	<20	7.55	<10	30	170	50	7.01	<50
Q461860		<0.02	0.10	<1	5.44	<50	270	<10	<20	5.62	<10	100	90	1230	7.89	<50

Comments: Last sample Q461860 is pulp dup of Q461600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14063806

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461629		0.5	<50	1.52	3040	30	3.71	30	1070	40	1.28	<50	10	250	<50	0.38
Q461630		0.8	<50	2.42	2500	<10	2.28	30	1390	<20	0.63	<50	20	360	<50	0.48
Q461631		0.6	<50	3.58	2180	<10	2.43	30	1320	<20	0.34	<50	40	320	<50	0.48
Q461632		0.5	<50	3.14	2130	<10	2.47	40	810	<20	1.53	<50	30	300	<50	0.43
Q461633		0.2	<50	2.82	2250	<10	2.61	20	830	<20	0.15	<50	30	520	<50	0.41
Q461634		0.2	<50	2.07	2240	<10	3.79	10	1110	<20	0.25	<50	10	290	<50	0.39
Q461635		0.8	<50	3.23	1500	<10	2.33	50	1690	<20	0.14	<50	30	330	<50	0.42
Q461636		0.6	<50	3.36	1800	<10	2.44	50	870	<20	0.12	<50	30	350	<50	0.41
Q461637		0.8	<50	3.97	1370	<10	2.42	60	580	<20	0.29	<50	30	340	<50	0.43
Q461638		0.8	<50	3.72	1320	<10	2.30	60	940	20	0.10	<50	30	390	<50	0.42
Q461639		0.8	<50	3.71	1400	<10	2.38	60	1370	<20	0.08	<50	30	380	<50	0.47
Q461640		0.7	<50	3.93	1760	<10	2.51	80	890	<20	0.15	<50	30	280	<50	0.46
Q461641		0.7	<50	4.34	2000	<10	2.03	90	910	<20	0.16	<50	40	350	<50	0.42
Q461642		0.8	<50	3.51	1460	<10	2.44	60	970	<20	<0.05	<50	30	440	<50	0.43
Q461643		0.8	<50	3.55	1710	<10	2.09	60	1360	20	0.13	<50	30	410	<50	0.48
Q461644		0.9	<50	3.07	1530	<10	1.97	50	1030	<20	0.05	<50	30	370	<50	0.41
Q461645		0.8	<50	3.83	1450	<10	2.32	90	970	<20	0.29	<50	30	380	<50	0.42
Q461646		0.6	<50	3.96	1520	<10	2.35	80	790	20	0.07	<50	30	280	<50	0.43
Q461647		0.6	<50	3.47	2050	<10	2.27	70	900	<20	0.18	<50	30	310	<50	0.42
Q461648		0.6	<50	3.61	1490	<10	2.25	70	790	<20	0.11	<50	30	300	<50	0.40
Q461860		0.7	<50	2.82	1100	<10	2.48	50	1000	<20	1.19	<50	10	420	<50	0.44

Comments: Last sample Q461860 is pulp dup of Q461600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14063806

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461629		<50	<50	260	<50	980
Q461630		<50	<50	490	<50	410
Q461631		<50	<50	310	<50	740
Q461632		<50	<50	360	<50	120
Q461633		<50	<50	380	<50	40
Q461634		<50	<50	310	<50	40
Q461635		<50	<50	270	<50	50
Q461636		<50	<50	250	<50	80
Q461637		<50	<50	260	<50	90
Q461638		<50	<50	270	<50	60
Q461639		<50	<50	290	<50	60
Q461640		<50	<50	270	<50	70
Q461641		<50	<50	270	<50	70
Q461642		<50	<50	250	<50	70
Q461643		<50	<50	290	<50	60
Q461644		<50	<50	260	<50	60
Q461645		<50	<50	270	<50	70
Q461646		<50	<50	270	<50	60
Q461647		<50	<50	250	<50	90
Q461648		<50	<50	270	<50	60
Q461860		<50	<50	270	<50	70

Comments: Last sample Q461860 is pulp dup of Q461600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 6 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14063806

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au - AA26	CRU - 31	CRU - QC	LOG - 21
LOG - 21d	ME - ICP61a	PUL - 31	PUL - QC
SPL - 21	SPL - 34	WEI - 21	

ALS Canada Ltd.
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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9-MAY-2014
Account: TRCAD

CERTIFICATE VA14066930

This report is for 181 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5-MAY-2014.

The following have access to data associated with this certificate:

JOHN BUCKLE	ERIK OSTENSOE	FARSHAD SHIRVANI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
SPL-34	Pulp Splitting Charge
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-ICP61a	High Grade Four Acid ICP-AES	ICP-AES

To: **TERRACAD GEOSCIENCE**
ATTN: ERIK OSTENSOE
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461351		4.40	<0.01	<1	6.54	<50	290	<10	<20	6.60	<10	20	10	90	5.53	<50
Q461352		4.18	<0.01	<1	6.33	<50	170	<10	<20	7.69	<10	10	10	30	4.87	<50
Q461353		3.72	<0.01	<1	6.94	<50	160	<10	<20	8.34	<10	10	10	90	5.72	<50
Q461354		3.64	<0.01	<1	6.25	<50	200	<10	<20	8.12	<10	10	10	80	6.09	<50
Q461355		4.56	<0.01	<1	7.22	<50	170	<10	<20	8.21	<10	10	10	200	6.71	<50
Q461356		4.76	<0.01	<1	7.05	<50	180	<10	<20	8.52	<10	10	10	50	6.33	<50
Q461357		4.00	<0.01	<1	7.34	<50	170	<10	<20	7.58	<10	20	<10	40	6.80	<50
Q461358		2.74	<0.01	<1	7.65	<50	<50	<10	<20	6.84	<10	60	<10	90	11.50	<50
Q461359		7.52	0.01	<1	5.41	<50	630	<10	<20	5.07	<10	20	<10	210	6.34	<50
Q461360		7.26	<0.01	<1	6.30	<50	490	<10	<20	5.74	<10	20	<10	120	5.83	<50
Q461361		4.08	<0.01	<1	6.12	<50	190	<10	<20	8.21	<10	10	<10	80	2.43	<50
Q461362		1.80	<0.01	<1	5.33	<50	190	<10	<20	5.19	<10	10	<10	120	4.98	<50
Q461363		5.80	0.01	<1	6.70	<50	360	<10	<20	6.58	<10	30	10	140	5.25	<50
Q461364		4.82	<0.01	<1	6.47	<50	210	<10	<20	6.31	<10	20	10	80	4.75	<50
Q461365		4.44	<0.01	<1	5.96	<50	410	<10	<20	5.74	<10	30	10	200	4.75	<50
Q461366		6.02	0.01	<1	6.43	<50	960	<10	<20	5.02	<10	20	20	280	7.16	<50
Q461367		7.06	<0.01	<1	6.17	<50	500	<10	<20	5.48	<10	20	<10	100	5.93	<50
Q461368		3.12	0.01	<1	5.60	<50	510	<10	<20	5.29	<10	30	<10	150	5.87	<50
Q461369		6.44	<0.01	<1	6.48	<50	370	<10	<20	6.00	<10	20	<10	60	5.60	<50
Q461370		1.42	<0.01	<1	5.42	<50	380	<10	<20	4.67	<10	20	<10	50	5.96	<50
Q461024		<0.02	<0.01	<1	5.21	<50	380	<10	<20	4.59	<10	30	<10	50	5.95	<50
Q461371		3.94	0.01	<1	6.49	<50	320	<10	<20	5.84	<10	10	<10	110	5.82	<50
Q461372		4.08	0.03	<1	6.49	<50	240	<10	<20	6.40	<10	40	<10	550	4.20	<50
Q461373		3.70	<0.01	<1	6.08	<50	320	<10	<20	5.82	<10	10	<10	50	4.93	<50
Q461374		4.46	0.01	<1	6.66	<50	370	<10	<20	5.94	<10	10	10	270	4.72	<50
Q461375		2.54	<0.01	<1	6.81	<50	250	<10	<20	8.21	<10	10	<10	130	2.48	<50
Q461376		3.76	0.01	<1	3.59	<50	260	<10	<20	5.92	<10	20	<10	460	2.34	<50
Q461377		3.42	<0.01	<1	5.43	<50	180	<10	<20	6.59	<10	20	<10	40	2.33	<50
Q461378		4.24	<0.01	<1	5.69	<50	140	<10	<20	10.25	<10	10	<10	10	2.15	<50
Q461379		3.94	<0.01	<1	6.00	<50	220	<10	<20	6.96	<10	20	<10	90	4.31	<50
Q461380		5.22	<0.01	<1	6.68	<50	250	<10	<20	7.33	<10	20	<10	210	3.61	<50
Q461240		0.06	1.43	33	2.83	<50	820	<10	<20	1.56	<10	10	30	3040	2.57	<50
Q461381		4.38	0.03	<1	6.80	<50	270	<10	<20	6.25	<10	60	<10	250	6.17	<50
Q461382		4.48	0.02	<1	4.47	<50	900	<10	<20	4.45	<10	10	<10	100	4.86	<50
Q461383		5.20	<0.01	<1	6.39	<50	310	<10	<20	7.07	<10	10	<10	30	3.60	<50
Q461384		5.28	<0.01	<1	6.15	<50	180	<10	<20	7.81	<10	10	<10	60	2.54	<50
Q461385		3.92	<0.01	<1	6.04	<50	160	<10	<20	7.62	<10	20	10	160	4.52	<50
Q461386		5.00	0.01	<1	6.01	<50	120	<10	<20	7.92	<10	30	10	210	5.29	<50
Q461387		3.80	<0.01	<1	2.19	<50	240	<10	<20	6.11	<10	10	<10	60	1.48	<50
Q461388		4.34	<0.01	<1	4.18	<50	150	<10	<20	6.12	<10	20	10	40	2.83	<50

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461351		0.4	<50	1.77	960	<10	3.51	<10	1540	<20	<0.05	<50	10	590	<50	0.41
Q461352		0.2	<50	1.76	660	<10	3.31	<10	1600	<20	<0.05	<50	10	630	<50	0.39
Q461353		0.3	<50	2.30	690	<10	3.03	<10	1430	<20	0.05	<50	10	620	<50	0.40
Q461354		0.3	<50	2.11	740	<10	3.07	<10	1410	<20	0.05	<50	10	640	<50	0.38
Q461355		0.3	<50	2.35	770	<10	3.00	<10	1430	<20	0.11	<50	20	610	<50	0.42
Q461356		0.3	<50	2.32	780	<10	2.98	<10	2160	<20	<0.05	<50	10	650	<50	0.39
Q461357		0.4	<50	1.97	740	<10	3.14	<10	1730	<20	0.22	<50	10	640	<50	0.41
Q461358		0.1	<50	2.58	870	<10	2.73	20	1140	<20	1.34	<50	30	260	<50	0.41
Q461359		1.6	<50	1.73	890	<10	3.34	<10	1570	<20	0.08	<50	10	380	<50	0.38
Q461360		1.2	<50	1.75	940	<10	3.40	<10	1560	<20	0.17	<50	10	470	<50	0.38
Q461361		0.5	<50	1.93	620	<10	3.32	<10	1560	<20	0.20	<50	10	620	<50	0.41
Q461362		0.4	<50	1.48	960	<10	4.03	<10	1330	<20	<0.05	<50	10	370	<50	0.36
Q461363		0.6	<50	1.78	990	<10	3.23	<10	1430	<20	0.29	<50	10	530	<50	0.40
Q461364		0.5	<50	1.72	960	<10	3.75	<10	1480	<20	0.13	<50	10	480	<50	0.38
Q461365		1.0	<50	1.80	1060	<10	3.68	20	1460	<20	0.11	<50	10	500	<50	0.38
Q461366		2.0	<50	2.24	1270	<10	3.03	<10	1570	<20	0.06	<50	10	350	<50	0.40
Q461367		0.9	<50	1.80	1180	<10	3.39	<10	1420	<20	0.07	<50	10	550	<50	0.40
Q461368		1.0	<50	1.61	1420	<10	3.02	<10	1320	<20	0.08	<50	10	510	<50	0.40
Q461369		0.6	<50	1.98	1010	<10	3.50	<10	1410	<20	0.06	<50	10	600	<50	0.40
Q461370		0.6	<50	1.64	1030	<10	3.79	<10	1370	<20	0.17	<50	10	500	<50	0.37
Q461024		0.6	<50	1.64	1030	<10	3.76	<10	1370	<20	0.17	<50	10	500	<50	0.37
Q461371		0.6	<50	2.04	960	<10	3.69	<10	1360	<20	<0.05	<50	10	490	<50	0.38
Q461372		0.4	<50	1.75	670	<10	3.86	<10	1490	<20	0.27	<50	10	480	<50	0.37
Q461373		0.5	<50	1.68	870	<10	3.66	<10	1330	<20	<0.05	<50	10	510	<50	0.38
Q461374		0.6	<50	1.77	950	<10	3.69	<10	1320	<20	0.14	<50	10	520	<50	0.41
Q461375		0.3	<50	1.95	580	<10	3.40	<10	1250	<20	<0.05	<50	10	680	<50	0.41
Q461376		0.6	<50	0.93	660	<10	3.57	<10	1170	<20	0.27	<50	<10	420	<50	0.29
Q461377		0.5	<50	1.40	650	<10	3.54	<10	800	<20	0.43	<50	10	530	<50	0.40
Q461378		0.3	<50	1.33	590	<10	2.75	<10	1740	<20	0.08	<50	10	300	<50	0.42
Q461379		0.5	<50	1.89	660	<10	3.44	<10	1430	<20	0.16	<50	10	520	<50	0.39
Q461380		0.5	<50	1.89	600	<10	3.33	<10	1030	<20	0.47	<50	10	590	<50	0.39
Q461240		1.9	<50	0.11	420	400	2.29	20	330	70	0.96	70	<10	480	<50	0.10
Q461381		0.6	<50	1.94	840	<10	3.45	<10	1560	<20	1.14	<50	10	550	<50	0.39
Q461382		1.4	<50	1.26	940	<10	3.79	<10	1440	<20	<0.05	<50	10	400	<50	0.34
Q461383		0.4	<50	1.70	740	<10	3.47	<10	1440	<20	0.05	<50	10	620	<50	0.41
Q461384		0.3	<50	1.76	560	<10	3.38	<10	1390	<20	0.13	<50	10	680	<50	0.42
Q461385		0.3	<50	1.90	640	<10	3.22	10	1270	20	0.18	<50	10	400	<50	0.39
Q461386		0.2	<50	2.16	910	<10	2.82	<10	1310	<20	0.26	<50	10	150	<50	0.36
Q461387		0.4	<50	0.43	450	<10	3.39	<10	400	<20	0.10	<50	<10	410	<50	0.37
Q461388		0.4	<50	1.21	720	<10	3.53	10	790	<20	0.15	<50	<10	400	<50	0.39

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461351		<50	<50	240	<50	40
Q461352		<50	<50	270	<50	20
Q461353		<50	<50	350	<50	20
Q461354		<50	<50	350	<50	20
Q461355		<50	<50	350	<50	30
Q461356		<50	<50	360	<50	20
Q461357		<50	<50	370	<50	20
Q461358		<50	<50	490	<50	70
Q461359		<50	<50	280	<50	50
Q461360		<50	<50	240	<50	40
Q461361		<50	<50	160	<50	20
Q461362		<50	<50	200	<50	30
Q461363		<50	<50	210	<50	30
Q461364		<50	<50	200	<50	30
Q461365		<50	<50	210	<50	50
Q461366		<50	<50	300	<50	60
Q461367		<50	<50	230	<50	40
Q461368		<50	<50	210	<50	50
Q461369		<50	<50	240	<50	30
Q461370		<50	<50	230	<50	30
Q461024		<50	<50	230	<50	30
Q461371		<50	<50	230	<50	30
Q461372		<50	<50	190	<50	20
Q461373		<50	<50	210	<50	20
Q461374		<50	<50	190	<50	30
Q461375		<50	<50	170	<50	20
Q461376		<50	<50	110	<50	40
Q461377		<50	<50	140	<50	30
Q461378		<50	<50	170	<50	20
Q461379		<50	<50	240	<50	20
Q461380		<50	<50	190	<50	20
Q461240		<50	<50	40	<50	60
Q461381		<50	<50	260	<50	20
Q461382		<50	<50	190	<50	80
Q461383		<50	<50	190	<50	30
Q461384		<50	<50	160	<50	20
Q461385		<50	<50	250	<50	30
Q461386		<50	<50	250	<50	40
Q461387		<50	<50	120	<50	20
Q461388		<50	<50	150	<50	40

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461389		4.94	<0.01	<1	5.65	<50	100	<10	<20	6.07	<10	20	30	60	4.66	<50
Q461390		4.90	<0.01	<1	5.72	<50	100	<10	<20	9.19	<10	10	<10	20	1.77	<50
Q461025		<0.02	<0.01	<1	6.02	<50	100	<10	<20	9.17	<10	10	<10	20	1.78	<50
Q461391		4.88	<0.01	<1	6.60	<50	180	<10	<20	8.40	<10	10	<10	20	2.45	<50
Q461392		4.06	<0.01	<1	6.95	<50	290	<10	<20	6.82	<10	20	<10	60	4.66	<50
Q461393		4.04	<0.01	<1	5.61	<50	160	<10	<20	7.60	<10	20	<10	130	2.65	<50
Q461394		5.72	0.02	<1	6.06	<50	590	<10	<20	6.97	<10	90	<10	1300	6.29	<50
Q461395		4.08	<0.01	<1	6.85	<50	150	<10	<20	8.21	<10	20	10	90	8.27	<50
Q461396		4.72	<0.01	<1	4.38	<50	1330	<10	<20	4.92	<10	30	<10	270	5.42	<50
Q461397		4.46	0.01	<1	6.90	<50	400	<10	<20	7.76	<10	40	10	110	9.36	<50
Q461398		6.08	<0.01	<1	6.58	<50	160	<10	<20	8.54	<10	20	10	130	4.88	<50
Q461399		4.90	<0.01	<1	6.86	<50	200	<10	<20	6.22	<10	40	<10	240	4.78	<50
Q461400		5.04	<0.01	<1	7.07	<50	340	<10	<20	6.47	<10	20	<10	100	5.12	<50
Q461241		0.06	0.86	12	3.66	980	640	<10	20	7.54	10	60	30	8800	6.25	<50
Q461401		4.30	<0.01	<1	6.41	<50	810	<10	<20	5.93	<10	20	<10	190	5.10	<50
Q461402		4.98	<0.01	<1	6.67	<50	170	<10	<20	9.07	<10	10	<10	100	2.97	<50
Q461403		4.34	0.01	<1	6.20	<50	700	<10	<20	5.50	<10	50	<10	210	5.78	<50
Q461404		5.36	0.01	<1	7.42	<50	240	<10	<20	6.79	<10	60	<10	230	5.44	<50
Q461405		5.10	0.01	<1	7.01	<50	210	<10	<20	8.04	<10	20	<10	130	4.03	<50
Q461406		4.00	0.01	<1	6.44	<50	420	<10	<20	5.74	<10	20	<10	140	5.28	<50
Q461407		6.06	<0.01	<1	6.91	<50	280	<10	<20	6.98	<10	30	10	140	9.28	<50
Q461408		5.04	<0.01	<1	6.91	<50	320	<10	<20	7.41	<10	30	10	220	7.12	<50
Q461409		5.04	0.01	<1	7.15	<50	270	<10	<20	7.16	<10	20	<10	160	4.52	<50
Q461410		6.48	0.01	<1	7.04	<50	300	<10	<20	7.13	<10	20	<10	180	5.26	<50
Q461026		<0.02	0.01	<1	7.29	<50	310	<10	<20	7.21	<10	20	<10	180	5.32	<50
Q461411		5.56	0.02	<1	7.30	<50	210	<10	<20	7.38	<10	30	<10	660	5.02	<50
Q461412		3.90	0.03	<1	5.56	<50	400	<10	<20	6.04	<10	20	10	720	5.19	<50
Q461413		5.04	0.01	<1	5.97	<50	280	<10	<20	6.81	<10	10	<10	140	4.59	<50
Q461414		5.56	0.01	<1	6.58	<50	200	<10	<20	5.92	<10	20	10	120	6.12	<50
Q461415		4.66	0.01	<1	6.87	<50	130	<10	<20	8.70	<10	30	10	170	6.46	<50
Q461416		3.24	0.01	<1	6.98	<50	<50	<10	<20	10.75	<10	40	20	620	6.87	<50
Q461417		7.44	0.02	<1	6.95	<50	150	<10	<20	6.23	<10	40	<10	780	7.71	<50
Q461418		4.96	<0.01	<1	7.61	<50	120	<10	<20	7.83	<10	30	10	200	6.42	<50
Q461419		4.60	0.01	<1	8.00	<50	130	<10	<20	7.49	<10	40	10	190	6.48	<50
Q461420		5.24	<0.01	<1	6.21	<50	160	<10	<20	5.56	<10	30	<10	110	5.47	<50
Q461242		0.06	0.83	12	4.20	990	670	<10	<20	7.84	10	70	30	8860	6.10	<50
Q461421		5.16	0.03	<1	7.40	<50	180	<10	<20	8.31	<10	30	<10	310	5.37	<50
Q461422		4.98	0.01	<1	6.94	<50	350	<10	<20	7.82	<10	30	10	250	5.57	<50
Q461423		3.00	0.12	<1	5.43	<50	630	<10	<20	5.34	<10	70	10	1890	7.41	<50
Q461424		5.68	0.02	<1	7.99	<50	240	<10	<20	7.21	<10	30	10	350	7.24	<50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461389		0.2	<50	1.71	1030	<10	3.37	<10	1010	<20	0.06	<50	10	350	<50	0.38
Q461390		0.3	<50	1.83	580	<10	3.13	<10	1100	<20	0.09	<50	10	330	<50	0.34
Q461025		0.2	<50	1.91	580	<10	3.12	<10	1070	<20	0.09	<50	10	330	<50	0.34
Q461391		0.3	<50	2.07	560	<10	3.13	<10	1770	<20	0.07	<50	10	660	<50	0.43
Q461392		0.4	<50	1.75	900	<10	3.39	<10	1520	<20	<0.05	<50	10	560	<50	0.43
Q461393		0.4	<50	2.06	700	<10	3.40	10	1210	<20	0.15	<50	10	540	<50	0.34
Q461394		0.6	<50	1.69	800	<10	2.98	<10	970	<20	1.20	<50	10	640	<50	0.44
Q461395		0.4	<50	3.16	1000	<10	2.66	10	1440	<20	0.12	<50	20	530	<50	0.45
Q461396		2.1	<50	1.35	1290	<10	2.85	<10	1190	<20	0.36	<50	<10	410	<50	0.35
Q461397		0.6	<50	3.08	1260	<10	2.46	10	1560	<20	0.62	<50	30	450	<50	0.47
Q461398		0.4	<50	2.27	980	<10	2.92	<10	1470	<20	0.16	<50	20	440	<50	0.44
Q461399		0.5	<50	1.83	1230	<10	3.55	<10	1610	<20	0.64	<50	10	540	<50	0.42
Q461400		0.7	<50	1.96	1220	<10	3.26	<10	1540	<20	0.06	<50	10	560	<50	0.44
Q461241		1.3	<50	0.98	2010	330	1.18	20	720	110	1.56	<50	10	360	<50	0.16
Q461401		1.2	<50	1.90	1370	<10	3.14	<10	1880	<20	0.27	<50	10	550	<50	0.42
Q461402		0.5	<50	2.16	950	<10	2.89	10	1650	<20	0.07	<50	10	570	<50	0.42
Q461403		0.7	<50	1.96	1050	<10	3.50	<10	1480	<20	0.68	<50	10	400	<50	0.40
Q461404		0.4	<50	2.09	880	<10	3.30	<10	1440	<20	0.76	<50	10	590	<50	0.42
Q461405		0.5	<50	2.23	790	<10	3.01	10	1700	<20	0.17	<50	10	650	<50	0.42
Q461406		0.9	<50	1.75	1150	<10	3.19	<10	1450	<20	0.05	<50	10	480	<50	0.40
Q461407		0.5	<50	3.06	1340	<10	2.87	<10	1450	<20	0.06	<50	40	330	<50	0.53
Q461408		0.6	<50	2.59	1150	<10	2.77	<10	1510	<20	0.12	<50	20	440	<50	0.48
Q461409		0.7	<50	1.97	1080	<10	3.25	<10	1600	<20	0.09	<50	10	540	<50	0.42
Q461410		0.7	<50	1.98	1210	<10	3.10	<10	1450	<20	0.06	<50	10	490	<50	0.43
Q461026		0.7	<50	2.06	1230	<10	3.18	<10	1450	<20	0.06	<50	10	500	<50	0.43
Q461411		0.5	<50	2.15	1070	<10	3.20	<10	1590	<20	0.38	<50	10	570	<50	0.45
Q461412		0.6	<50	1.63	1290	<10	3.19	10	1350	30	0.23	<50	10	480	<50	0.38
Q461413		0.6	<50	1.82	970	<10	3.23	<10	1550	<20	0.06	<50	10	620	<50	0.40
Q461414		0.6	<50	2.13	1260	<10	3.46	<10	1550	<20	0.05	<50	10	440	<50	0.42
Q461415		0.3	<50	2.56	940	<10	2.67	10	1410	<20	0.29	<50	20	450	<50	0.43
Q461416		0.1	<50	2.38	1640	<10	1.86	10	1330	<20	0.42	<50	20	580	<50	0.43
Q461417		0.4	<50	2.15	1610	<10	3.36	<10	1590	<20	0.36	<50	10	530	<50	0.45
Q461418		0.4	<50	2.33	910	<10	2.90	10	1580	20	0.22	<50	20	450	<50	0.47
Q461419		0.4	<50	2.29	1030	<10	2.99	10	1560	<20	0.34	<50	20	360	<50	0.47
Q461420		0.4	<50	1.47	1100	<10	3.64	<10	1420	<20	0.14	<50	10	470	<50	0.36
Q461242		1.4	<50	0.99	2000	330	1.17	30	720	120	1.61	<50	10	370	<50	0.17
Q461421		0.4	<50	2.15	840	<10	3.03	<10	1590	<20	0.39	<50	20	670	<50	0.43
Q461422		0.5	<50	2.10	1010	<10	3.04	10	1520	<20	0.19	<50	20	560	<50	0.43
Q461423		0.7	<50	1.66	1470	20	3.18	<10	1530	<20	0.86	<50	10	430	<50	0.44
Q461424		0.5	<50	2.42	1260	<10	2.87	10	1600	<20	0.14	<50	20	570	<50	0.53

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER V6B 1N2

Finalized Date: 9 - MAY - 2014
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CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461389		<50	<50	170	<50	60
Q461390		<50	<50	120	<50	20
Q461025		<50	<50	120	<50	20
Q461391		<50	<50	180	<50	<20
Q461392		<50	<50	220	<50	30
Q461393		<50	<50	140	<50	20
Q461394		<50	<50	390	<50	30
Q461395		<50	<50	630	<50	30
Q461396		<50	<50	230	<50	30
Q461397		<50	<50	580	<50	30
Q461398		<50	<50	300	<50	20
Q461399		<50	<50	190	<50	40
Q461400		<50	<50	230	<50	30
Q461241		<50	<50	80	<50	1450
Q461401		<50	<50	250	<50	40
Q461402		<50	<50	210	<50	20
Q461403		<50	<50	250	<50	30
Q461404		<50	<50	260	<50	20
Q461405		<50	<50	230	<50	20
Q461406		<50	<50	220	<50	40
Q461407		<50	<50	420	<50	60
Q461408		<50	<50	340	<50	40
Q461409		<50	<50	210	<50	40
Q461410		<50	<50	230	<50	50
Q461026		<50	<50	230	<50	50
Q461411		<50	<50	220	<50	30
Q461412		<50	<50	210	<50	60
Q461413		<50	<50	210	<50	30
Q461414		<50	<50	250	<50	40
Q461415		<50	<50	380	<50	20
Q461416		<50	<50	350	<50	40
Q461417		<50	<50	330	<50	40
Q461418		<50	<50	360	<50	30
Q461419		<50	<50	340	<50	30
Q461420		<50	<50	240	<50	40
Q461242		<50	<50	80	<50	1430
Q461421		<50	<50	310	<50	30
Q461422		<50	<50	280	<50	40
Q461423		<50	<50	250	<50	60
Q461424		<50	<50	310	<50	50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461425		4.88	0.01	<1	7.81	<50	240	<10	<20	7.32	<10	30	<10	110	6.04	<50
Q461426		5.32	0.02	<1	8.55	<50	270	<10	<20	7.66	<10	30	10	160	5.87	<50
Q461427		4.60	0.02	<1	8.29	<50	250	<10	<20	9.23	<10	20	10	200	5.58	<50
Q461428		5.86	0.02	<1	8.22	<50	220	<10	<20	9.34	<10	20	40	290	4.79	<50
Q461429		4.72	0.01	<1	7.97	<50	170	<10	<20	8.64	<10	20	10	210	4.07	<50
Q461430		5.24	0.02	<1	7.63	<50	130	<10	<20	9.37	<10	20	30	370	5.34	<50
Q461027		<0.02	0.02	<1	7.45	<50	130	<10	<20	9.21	<10	20	10	380	5.35	<50
Q461431		5.74	<0.01	<1	7.79	<50	120	<10	<20	9.86	<10	20	20	110	2.39	<50
Q461432		5.14	<0.01	<1	7.81	<50	130	<10	<20	10.10	<10	20	40	60	3.32	<50
Q461433		5.62	<0.01	<1	7.85	<50	590	<10	<20	8.83	<10	30	20	120	3.74	<50
Q461434		5.14	0.01	<1	7.25	<50	150	<10	<20	9.22	<10	20	60	50	3.89	<50
Q461435		6.04	<0.01	<1	7.13	<50	140	<10	<20	9.63	<10	20	40	80	7.00	<50
Q461436		5.58	0.01	<1	5.44	<50	90	<10	<20	9.54	<10	50	240	250	9.58	<50
Q461437		5.34	0.09	<1	5.81	<50	130	<10	<20	7.91	<10	110	280	1100	10.05	<50
Q461438		5.06	0.01	<1	7.73	<50	140	<10	<20	8.92	<10	20	50	100	7.37	<50
Q461439		2.72	0.02	<1	3.62	<50	50	<10	<20	7.29	<10	70	300	540	18.65	<50
Q461440		8.48	0.01	<1	6.63	<50	130	<10	<20	8.60	<10	30	220	120	6.95	<50
Q461243		0.06	1.44	31	3.03	<50	810	<10	<20	1.49	<10	10	30	2980	2.39	<50
Q461441		5.72	0.01	<1	6.47	<50	160	<10	<20	8.22	<10	40	240	140	8.95	<50
Q461442		5.42	0.01	<1	5.37	<50	130	<10	<20	7.69	<10	50	370	300	8.39	<50
Q461443		5.48	0.01	<1	4.90	<50	90	<10	<20	7.44	<10	70	340	360	12.25	<50
Q461444		5.52	0.01	<1	7.48	<50	240	<10	<20	7.84	<10	40	140	230	7.06	<50
Q461445		5.16	0.01	<1	8.02	<50	210	<10	<20	7.88	<10	30	120	210	6.75	<50
Q461446		4.90	0.01	<1	5.95	<50	200	<10	<20	7.80	<10	50	330	280	8.17	<50
Q461447		5.56	0.05	<1	6.81	<50	190	<10	<20	7.13	<10	110	210	550	8.74	<50
Q461448		6.62	0.03	<1	6.15	<50	130	<10	<20	7.10	<10	90	250	800	10.45	<50
Q461449		4.76	0.01	<1	6.75	<50	220	<10	<20	7.55	<10	30	150	130	8.68	<50
Q461450		5.62	0.03	<1	7.70	<50	180	<10	<20	8.46	<10	40	80	540	8.11	<50
Q461028		<0.02	0.02	<1	7.45	<50	200	<10	<20	8.32	<10	30	110	550	8.03	<50
Q461451		5.32	0.01	<1	6.86	<50	100	<10	<20	8.90	<10	10	20	140	4.34	<50
Q461452		5.68	0.01	<1	6.88	<50	240	<10	<20	8.66	<10	30	100	240	11.30	<50
Q461453		5.34	0.01	<1	6.57	<50	170	<10	<20	10.65	<10	20	220	110	8.40	<50
Q461454		5.88	0.01	<1	7.38	<50	280	<10	<20	8.92	<10	10	10	170	6.22	<50
Q461455		5.18	0.01	<1	7.02	<50	180	<10	<20	8.49	<10	10	10	210	5.38	<50
Q461456		6.28	0.05	<1	6.61	<50	150	<10	<20	7.74	<10	50	200	470	10.60	<50
Q461457		5.82	<0.01	1	5.89	<50	120	<10	<20	8.28	<10	40	320	140	8.45	<50
Q461458		5.20	<0.01	<1	6.30	<50	200	<10	<20	7.57	<10	40	300	270	7.76	<50
Q461459		5.14	0.01	<1	5.80	<50	180	<10	<20	7.43	<10	40	390	410	8.11	<50
Q461460		5.22	0.01	<1	6.10	<50	190	<10	<20	8.01	<10	40	320	260	8.70	<50
Q461936		0.06	1.41	34	2.42	<50	820	<10	<20	1.56	<10	10	40	3040	2.47	<50

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461425		0.5	<50	2.15	1090	<10	2.80	<10	1440	<20	<0.05	<50	20	590	<50	0.52
Q461426		0.5	<50	2.28	1170	<10	2.85	10	1510	<20	<0.05	<50	20	690	<50	0.54
Q461427		0.4	<50	2.28	1000	<10	2.65	10	1650	<20	<0.05	<50	20	620	<50	0.52
Q461428		0.4	<50	2.97	1100	<10	2.69	<10	1570	<20	0.09	<50	30	540	<50	0.49
Q461429		0.3	<50	2.26	910	<10	2.82	10	1420	<20	0.06	<50	20	710	<50	0.47
Q461430		0.2	<50	2.54	910	<10	2.48	10	770	<20	0.09	<50	20	690	<50	0.29
Q461027		0.1	<50	2.55	910	<10	2.49	10	810	<20	0.09	<50	20	680	<50	0.29
Q461431		0.2	<50	3.00	880	<10	2.56	<10	480	<20	<0.05	<50	30	670	<50	0.45
Q461432		0.2	<50	3.31	970	<10	2.48	10	660	<20	<0.05	<50	30	640	<50	0.51
Q461433		0.8	<50	2.70	1010	<10	2.47	10	1010	<20	0.10	<50	30	670	<50	0.53
Q461434		0.2	<50	2.78	960	<10	2.35	10	1380	<20	<0.05	<50	20	750	<50	0.46
Q461435		0.3	<50	3.58	1190	<10	2.14	20	950	<20	<0.05	<50	40	670	<50	0.47
Q461436		0.3	<50	5.87	1610	<10	1.48	50	930	<20	0.08	<50	40	330	<50	0.47
Q461437		0.3	<50	5.71	1480	<10	1.64	80	770	<20	0.58	<50	40	350	<50	0.42
Q461438		0.3	<50	3.04	1240	<10	2.23	20	1460	<20	<0.05	<50	30	610	<50	0.51
Q461439		0.2	<50	5.95	1600	<10	0.65	90	780	<20	0.27	<50	30	320	<50	0.34
Q461440		0.3	<50	5.23	1320	<10	1.89	60	810	<20	<0.05	<50	40	450	<50	0.47
Q461243		1.9	<50	0.13	400	400	2.25	10	380	60	0.99	60	<10	460	<50	0.10
Q461441		0.4	<50	5.27	1570	<10	1.84	70	900	<20	0.05	<50	40	400	<50	0.47
Q461442		0.4	<50	7.54	1710	<10	1.26	130	370	<20	0.15	<50	40	250	<50	0.38
Q461443		0.3	<50	7.44	1810	<10	1.18	120	280	<20	0.29	<50	40	220	<50	0.42
Q461444		0.4	<50	4.40	1480	<10	2.08	60	1620	<20	0.08	<50	30	520	<50	0.49
Q461445		0.4	<50	3.90	1320	<10	2.12	50	1730	<20	0.07	<50	30	610	<50	0.46
Q461446		0.4	<50	6.93	1760	<10	1.54	130	980	<20	0.08	<50	40	340	<50	0.44
Q461447		0.4	<50	5.29	1740	<10	2.02	70	1310	<20	0.40	<50	40	410	<50	0.49
Q461448		0.3	<50	5.28	1650	<10	1.92	80	1340	<20	0.30	<50	40	330	<50	0.46
Q461449		0.3	<50	4.44	1470	<10	2.06	70	1500	<20	<0.05	<50	30	480	<50	0.49
Q461450		0.3	<50	3.63	1450	<10	2.33	30	2510	<20	0.12	<50	30	610	<50	0.47
Q461028		0.3	<50	3.83	1480	<10	2.38	60	2430	<20	0.12	<50	30	600	<50	0.46
Q461451		0.2	<50	2.57	1300	<10	2.75	<10	1310	20	0.07	<50	20	430	<50	0.38
Q461452		0.3	<50	3.92	1300	<10	1.90	30	2650	<20	0.07	<50	30	480	<50	0.48
Q461453		0.3	<50	5.08	1390	<10	1.49	30	1180	<20	<0.05	<50	30	440	<50	0.51
Q461454		0.3	<50	2.99	1230	<10	2.55	20	2050	<20	<0.05	<50	20	630	<50	0.47
Q461455		0.3	<50	2.50	960	<10	2.96	10	1440	<20	0.08	<50	20	530	<50	0.42
Q461456		0.3	<50	5.18	1690	<10	2.24	70	1490	<20	0.21	<50	30	380	<50	0.49
Q461457		0.4	<50	6.83	1650	<10	1.81	110	2500	<20	0.05	<50	40	260	<50	0.51
Q461458		0.4	<50	6.62	1820	<10	1.88	120	1310	<20	0.06	<50	40	300	<50	0.51
Q461459		0.4	<50	7.75	1960	<10	1.72	140	1080	<20	0.08	<50	40	220	<50	0.48
Q461460		0.4	<50	6.87	1960	<10	1.81	100	1320	<20	<0.05	<50	40	250	<50	0.52
Q461936		1.9	<50	0.12	430	400	2.36	20	370	60	0.96	80	<10	490	<50	0.10

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461425		<50	<50	300	<50	40
Q461426		<50	<50	270	<50	40
Q461427		<50	<50	280	<50	30
Q461428		<50	<50	210	<50	30
Q461429		<50	<50	210	<50	30
Q461430		<50	<50	280	<50	30
Q461027		<50	<50	280	<50	20
Q461431		<50	<50	190	<50	20
Q461432		<50	<50	270	<50	30
Q461433		<50	<50	270	<50	30
Q461434		<50	<50	260	<50	20
Q461435		<50	<50	480	<50	30
Q461436		<50	<50	520	<50	50
Q461437		<50	<50	450	<50	50
Q461438		<50	<50	460	<50	30
Q461439		<50	<50	930	<50	60
Q461440		<50	<50	390	<50	40
Q461243		<50	<50	40	<50	50
Q461441		<50	<50	430	<50	60
Q461442		<50	<50	330	<50	60
Q461443		<50	<50	470	<50	60
Q461444		<50	<50	300	<50	50
Q461445		<50	<50	290	<50	50
Q461446		<50	<50	320	<50	70
Q461447		<50	<50	330	<50	50
Q461448		<50	<50	390	<50	50
Q461449		<50	<50	420	<50	50
Q461450		<50	<50	420	<50	40
Q461028		<50	<50	400	<50	50
Q461451		<50	<50	220	<50	40
Q461452		<50	<50	780	<50	30
Q461453		<50	<50	550	<50	40
Q461454		<50	<50	370	<50	30
Q461455		<50	<50	300	<50	30
Q461456		<50	<50	530	<50	60
Q461457		<50	<50	400	<50	60
Q461458		<50	<50	320	<50	70
Q461459		<50	<50	310	<50	70
Q461460		<50	<50	400	<50	60
Q461936		<50	<50	40	<50	60

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER V6B 1N2

Finalized Date: 9-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461461		5.64	0.07	<1	5.52	<50	170	<10	<20	6.68	<10	130	320	2380	13.45	<50
Q461462		5.84	<0.01	<1	5.86	<50	220	<10	<20	7.27	<10	50	390	160	7.92	<50
Q461463		6.12	0.01	<1	5.44	<50	210	<10	<20	8.16	<10	50	470	200	7.63	<50
Q461464		5.04	0.01	<1	5.32	<50	240	<10	<20	9.50	<10	30	470	250	7.04	<50
Q461465		5.40	<0.01	<1	5.12	<50	190	<10	<20	9.51	<10	30	410	80	8.09	<50
Q461466		4.94	<0.01	<1	5.56	<50	230	<10	<20	7.60	<10	40	440	120	8.46	<50
Q461467		5.14	0.02	<1	5.77	<50	260	<10	<20	7.40	<10	50	430	230	8.26	<50
Q461468		5.54	0.01	<1	5.62	<50	190	<10	<20	8.37	<10	40	410	100	7.43	<50
Q461469		4.20	0.01	<1	6.39	<50	220	<10	<20	8.64	<10	30	280	160	7.51	<50
Q461470		5.62	0.01	<1	6.52	<50	140	<10	<20	8.40	<10	30	20	250	7.64	<50
Q461032		<0.02	0.01	<1	6.40	<50	130	<10	<20	8.29	<10	30	10	240	7.62	<50
Q461471		5.14	0.10	<1	5.75	<50	450	<10	<20	5.53	<10	250	190	4450	16.85	<50
Q461472		4.08	0.05	1	6.78	<50	550	<10	<20	5.48	<10	140	80	2710	11.30	<50
Q461473		2.32	<0.01	<1	5.20	<50	480	<10	<20	4.94	<10	30	10	210	5.83	<50
Q461474		7.02	<0.01	<1	5.97	<50	450	<10	<20	5.84	<10	20	<10	180	5.90	<50
Q461475		4.22	<0.01	<1	5.05	<50	430	<10	<20	5.22	<10	20	10	170	6.07	<50
Q461476		5.24	0.01	<1	5.40	<50	410	<10	<20	5.45	<10	20	10	240	6.15	<50
Q461477		5.80	0.01	<1	5.89	<50	510	<10	<20	5.34	<10	20	10	160	6.53	<50
Q461478		4.78	<0.01	<1	5.73	<50	530	<10	<20	5.24	<10	20	10	160	6.35	<50
Q461479		4.96	0.01	<1	5.49	<50	530	<10	<20	5.52	<10	20	10	240	5.98	<50
Q461480		5.22	0.02	<1	4.92	<50	590	<10	<20	4.98	<10	20	<10	240	6.21	<50
Q461937		0.06	0.82	13	3.26	940	640	<10	30	7.59	10	60	40	8900	5.95	<50
Q461481		3.96	0.54	2	4.43	<50	250	<10	<20	5.31	<10	640	10	13400	22.0	<50
Q461482		6.20	0.01	<1	6.22	<50	750	<10	<20	4.08	<10	110	50	1090	13.45	<50
Q461483		4.92	0.27	<1	4.41	<50	170	<10	<20	7.24	<10	100	310	4110	15.15	<50
Q461484		5.10	<0.01	<1	6.20	<50	150	<10	<20	8.31	<10	40	310	90	8.32	<50
Q461485		5.24	0.01	<1	7.47	<50	300	<10	<20	9.00	<10	50	10	280	5.55	<50
Q461486		4.82	0.01	<1	7.21	<50	340	<10	<20	9.25	<10	30	10	430	3.22	<50
Q461487		4.86	0.01	<1	6.78	<50	170	<10	<20	9.46	<10	30	50	130	5.52	<50
Q461488		5.26	0.01	<1	5.33	<50	200	<10	<20	7.51	<10	50	410	120	7.06	<50
Q461489		6.56	<0.01	<1	4.91	<50	200	<10	<20	9.80	<10	40	340	100	6.98	<50
Q461490		4.74	0.03	<1	6.20	<50	140	<10	<20	8.57	<10	30	180	150	9.56	<50
Q461029		<0.02	0.02	<1	6.25	<50	150	<10	<20	8.61	<10	40	170	150	9.62	<50
Q461491		4.20	0.01	<1	6.19	<50	360	<10	<20	7.40	<10	40	200	320	8.46	<50
Q461492		4.96	0.01	<1	6.60	<50	220	<10	<20	9.00	<10	30	160	200	5.93	<50
Q461493		5.92	<0.01	<1	6.63	<50	270	<10	<20	8.00	<10	40	280	90	7.19	<50
Q461494		4.90	0.02	<1	7.20	<50	140	<10	<20	7.98	<10	30	60	460	4.49	<50
Q461495		3.34	<0.01	<1	5.70	<50	110	<10	<20	7.64	<10	40	260	260	8.86	<50
Q461496		4.78	<0.01	<1	6.88	<50	180	<10	<20	6.94	<10	30	140	140	8.18	<50
Q461497		5.10	<0.01	<1	6.09	<50	230	<10	<20	9.36	<10	30	260	90	6.19	<50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461461		0.4	<50	6.73	2150	<10	1.44	130	1230	20	1.08	<50	40	150	<50	0.44
Q461462		0.4	<50	8.48	1720	<10	1.53	180	930	<20	0.05	<50	40	220	<50	0.43
Q461463		0.4	<50	8.39	1700	<10	1.41	160	1470	<20	0.05	<50	50	220	<50	0.42
Q461464		0.5	<50	7.85	1720	<10	1.33	100	500	<20	0.06	<50	50	220	<50	0.42
Q461465		0.4	<50	7.76	1480	<10	1.25	100	1190	<20	<0.05	<50	40	180	<50	0.39
Q461466		0.5	<50	8.63	1580	<10	1.42	160	1150	<20	<0.05	<50	40	180	<50	0.44
Q461467		0.5	<50	8.64	1730	<10	1.45	180	1060	<20	0.05	<50	40	220	<50	0.44
Q461468		0.4	<50	8.08	1500	<10	1.49	140	900	<20	<0.05	<50	40	210	<50	0.41
Q461469		0.5	<50	6.17	1530	<10	1.87	90	1160	20	0.05	<50	40	310	<50	0.47
Q461470		0.4	<50	2.61	1100	<10	2.68	20	1470	<20	0.12	<50	20	450	<50	0.38
Q461032		0.3	<50	2.58	1080	<10	2.64	10	1410	20	0.11	<50	20	430	<50	0.37
Q461471		0.8	<50	4.92	2700	20	1.17	80	1290	<20	1.72	<50	20	280	<50	0.34
Q461472		1.3	<50	3.08	2470	<10	2.45	40	3100	<20	1.21	<50	20	290	<50	0.40
Q461473		1.9	<50	1.65	1990	<10	2.77	<10	1750	<20	<0.05	<50	10	440	<50	0.39
Q461474		1.6	<50	1.58	1630	<10	2.78	<10	1670	<20	<0.05	<50	10	410	<50	0.40
Q461475		1.4	<50	1.69	1880	<10	2.87	<10	1680	<20	<0.05	<50	10	360	<50	0.39
Q461476		1.4	<50	1.77	1920	<10	2.96	<10	1740	<20	<0.05	<50	10	380	<50	0.40
Q461477		1.6	<50	1.97	2360	<10	2.68	10	1700	<20	<0.05	<50	10	420	<50	0.40
Q461478		1.6	<50	1.86	2130	<10	2.81	10	1660	<20	<0.05	<50	10	440	<50	0.40
Q461479		1.7	<50	1.69	1980	<10	2.78	<10	1580	<20	<0.05	<50	10	380	<50	0.38
Q461480		1.9	<50	1.63	1840	<10	2.74	<10	1650	<20	<0.05	<50	10	340	<50	0.39
Q461937		1.3	<50	0.96	2030	330	1.18	20	730	110	1.57	<50	10	360	<50	0.16
Q461481		0.9	<50	3.04	1570	<10	1.35	70	3250	<20	4.45	<50	10	180	<50	0.23
Q461482		1.2	<50	4.14	2280	<10	2.33	30	1340	<20	0.46	<50	40	170	<50	0.42
Q461483		0.4	<50	6.53	1590	<10	1.18	130	2340	<20	0.82	<50	30	170	<50	0.36
Q461484		0.4	<50	5.99	1540	<10	1.85	90	1510	<20	<0.05	<50	40	340	<50	0.48
Q461485		0.3	<50	2.52	870	<10	2.42	10	1470	<20	0.34	<50	20	690	<50	0.42
Q461486		0.3	<50	2.54	1010	<10	2.66	<10	1530	<20	0.29	<50	20	680	<50	0.40
Q461487		0.3	<50	2.94	1190	<10	2.35	20	1410	<20	0.09	<50	20	600	<50	0.40
Q461488		0.4	<50	6.96	1680	<10	1.51	150	980	<20	0.05	<50	40	240	<50	0.41
Q461489		0.4	<50	6.62	1530	<10	1.34	90	1560	<20	0.05	<50	40	230	<50	0.39
Q461490		0.3	<50	4.17	1550	<10	2.09	40	2190	<20	0.12	<50	40	310	<50	0.42
Q461029		0.3	<50	4.21	1560	<10	2.13	40	2160	<20	0.13	<50	40	320	<50	0.42
Q461491		0.7	<50	4.81	1410	<10	1.96	80	1900	<20	0.15	<50	40	270	<50	0.44
Q461492		0.3	<50	4.50	1180	<10	2.08	60	1220	<20	0.07	<50	40	490	<50	0.43
Q461493		0.4	<50	5.10	1190	<10	2.16	90	1130	<20	0.06	<50	40	410	<50	0.44
Q461494		0.3	<50	2.92	930	<10	2.91	20	1530	<20	0.18	<50	20	320	<50	0.40
Q461495		0.4	<50	5.19	1270	<10	1.89	80	1570	<20	0.10	<50	30	260	<50	0.47
Q461496		0.3	<50	3.88	1350	<10	3.06	50	3400	<20	0.07	<50	20	560	<50	0.40
Q461497		0.5	<50	5.01	1520	<10	1.83	60	930	<20	0.09	<50	40	380	<50	0.41

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461461		<50	<50	440	<50	90
Q461462		<50	<50	290	<50	70
Q461463		<50	<50	310	<50	60
Q461464		<50	<50	330	<50	50
Q461465		<50	<50	420	<50	50
Q461466		<50	<50	390	<50	60
Q461467		<50	<50	330	<50	70
Q461468		<50	<50	340	<50	50
Q461469		<50	<50	380	<50	50
Q461470		<50	<50	380	<50	30
Q461032		<50	<50	380	<50	20
Q461471		<50	<50	380	<50	80
Q461472		<50	<50	400	<50	200
Q461473		<50	<50	240	<50	140
Q461474		<50	<50	240	<50	120
Q461475		<50	<50	240	<50	140
Q461476		<50	<50	240	<50	150
Q461477		<50	<50	260	<50	170
Q461478		<50	<50	250	<50	150
Q461479		<50	<50	240	<50	160
Q461480		<50	<50	240	<50	160
Q461937		<50	<50	80	<50	1450
Q461481		<50	<50	380	<50	130
Q461482		<50	<50	340	<50	100
Q461483		<50	<50	450	<50	60
Q461484		<50	<50	410	<50	50
Q461485		<50	<50	300	<50	30
Q461486		<50	<50	180	<50	30
Q461487		<50	<50	340	<50	30
Q461488		<50	<50	290	<50	70
Q461489		<50	<50	340	<50	50
Q461490		<50	<50	510	<50	50
Q461029		<50	<50	510	<50	50
Q461491		<50	<50	370	<50	50
Q461492		<50	<50	290	<50	30
Q461493		<50	<50	350	<50	40
Q461494		<50	<50	240	<50	30
Q461495		<50	<50	430	<50	40
Q461496		<50	<50	390	<50	60
Q461497		<50	<50	290	<50	50

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461498		6.28	<0.01	<1	5.56	<50	190	<10	<20	10.25	<10	40	310	210	7.40	<50
Q461499		4.84	0.01	<1	7.23	<50	160	<10	<20	8.63	<10	30	90	260	8.63	<50
Q461500		4.22	<0.01	<1	7.01	<50	340	<10	<20	10.05	<10	20	70	120	5.79	<50
Q461531		6.00	<0.01	<1	5.89	<50	150	<10	<20	9.67	<10	40	320	80	7.37	<50
Q461532		5.46	0.03	<1	6.78	<50	80	<10	<20	7.87	<10	60	150	1230	10.40	<50
Q461533		5.48	0.01	<1	6.51	<50	150	<10	<20	5.88	<10	60	10	740	5.25	<50
Q461534		3.88	0.02	<1	6.67	<50	830	<10	<20	3.99	<10	60	20	550	7.04	<50
Q461535		5.16	0.01	<1	6.45	<50	160	<10	<20	9.58	<10	40	220	270	5.90	<50
Q461536		6.32	<0.01	<1	5.68	<50	180	<10	<20	9.40	<10	40	330	70	6.44	<50
Q461537		5.10	<0.01	<1	5.54	<50	180	<10	<20	8.51	<10	60	370	420	7.56	<50
Q461538		5.00	<0.01	<1	7.15	<50	220	<10	<20	8.64	<10	40	200	250	7.16	<50
Q461539		5.20	<0.01	<1	5.14	<50	160	<10	<20	9.38	<10	40	370	110	6.28	<50
Q461540		5.12	0.01	<1	5.02	<50	100	<10	<20	9.68	<10	40	380	480	6.74	<50
Q461541		5.46	<0.01	<1	5.90	<50	130	<10	<20	8.49	<10	30	380	70	5.63	<50
Q461542		4.84	<0.01	<1	5.11	<50	140	<10	<20	8.12	<10	50	440	230	6.61	<50
Q461543		5.84	<0.01	<1	5.62	<50	120	<10	<20	8.36	<10	40	410	90	6.58	<50
Q461544		6.04	<0.01	<1	7.75	<50	230	<10	<20	7.01	<10	30	60	80	6.10	<50
Q461545		4.92	0.01	<1	8.27	<50	300	<10	<20	6.91	<10	30	<10	100	7.15	<50
Q461546		5.38	<0.01	<1	6.93	<50	250	<10	<20	7.05	<10	30	<10	60	7.31	<50
Q461547		5.46	<0.01	<1	7.48	<50	210	<10	<20	7.15	<10	30	170	80	7.22	<50
Q461548		1.80	<0.01	<1	5.77	<50	140	<10	<20	8.41	<10	40	350	110	7.09	<50

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310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 9-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461498		0.4	<50	5.48	1790	<10	1.33	50	1020	<20	0.15	<50	40	380	<50	0.44
Q461499		0.4	<50	3.17	1020	<10	2.31	30	1450	<20	0.12	<50	30	460	<50	0.42
Q461500		0.4	<50	2.93	920	<10	2.22	10	1540	<20	0.08	<50	20	570	<50	0.42
Q461531		0.4	<50	5.38	1360	<10	1.70	90	1050	<20	0.06	<50	40	320	<50	0.47
Q461532		0.3	<50	3.78	1320	<10	2.35	50	1450	<20	0.46	<50	30	310	<50	0.42
Q461533		0.4	<50	1.74	1230	<10	3.70	10	1290	<20	0.40	<50	10	360	<50	0.39
Q461534		1.2	<50	1.90	1180	<10	3.38	10	1440	<20	0.23	<50	20	360	<50	0.41
Q461535		0.4	<50	4.33	1450	<10	2.18	80	1250	<20	0.11	<50	30	200	<50	0.43
Q461536		0.4	<50	5.86	1510	<10	1.79	110	1100	<20	<0.05	<50	40	340	<50	0.46
Q461537		0.4	<50	6.53	1860	<10	1.71	170	1200	<20	0.10	<50	40	260	<50	0.48
Q461538		0.4	<50	4.60	1530	<10	2.07	90	1200	<20	<0.05	<50	30	470	<50	0.46
Q461539		0.4	<50	6.27	1600	<10	1.56	140	860	<20	<0.05	<50	40	240	<50	0.48
Q461540		0.3	<50	5.94	1500	<10	1.63	90	700	<20	0.17	<50	40	190	<50	0.44
Q461541		0.3	<50	5.94	1410	<10	2.04	160	1150	<20	<0.05	<50	40	230	<50	0.45
Q461542		0.4	<50	7.04	1820	<10	1.72	190	1080	<20	<0.05	<50	40	220	<50	0.47
Q461543		0.4	<50	7.15	1570	<10	1.76	160	1200	<20	<0.05	<50	40	250	<50	0.52
Q461544		0.5	<50	2.85	1330	<10	2.77	30	2140	<20	<0.05	<50	20	590	<50	0.51
Q461545		0.5	<50	2.00	1570	<10	2.52	<10	2500	<20	<0.05	<50	20	590	<50	0.51
Q461546		0.4	<50	2.20	1500	<10	2.58	<10	2440	<20	<0.05	<50	20	610	<50	0.48
Q461547		0.4	<50	4.05	1480	<10	2.34	80	1940	<20	<0.05	<50	30	490	<50	0.49
Q461548		0.4	<50	7.48	2060	<10	1.81	180	1280	<20	<0.05	<50	40	210	<50	0.54

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Finalized Date: 9 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

Sample Description	Method / Analyte / Units / LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461498		<50	<50	340	<50	60
Q461499		<50	<50	460	<50	30
Q461500		<50	<50	370	<50	30
Q461531		<50	<50	380	<50	40
Q461532		<50	<50	550	<50	60
Q461533		<50	<50	230	<50	50
Q461534		<50	<50	300	<50	60
Q461535		<50	<50	260	<50	60
Q461536		<50	<50	300	<50	50
Q461537		<50	<50	310	<50	90
Q461538		<50	<50	330	<50	60
Q461539		<50	<50	310	<50	60
Q461540		<50	<50	310	<50	70
Q461541		<50	<50	270	<50	50
Q461542		<50	<50	280	<50	70
Q461543		<50	<50	330	<50	60
Q461544		<50	<50	270	<50	50
Q461545		<50	<50	260	<50	80
Q461546		<50	<50	280	<50	70
Q461547		<50	<50	290	<50	70
Q461548		<50	<50	270	<50	80

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Finalized Date: 9-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066930

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA26	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	ME-ICP61a	PUL-31
PUL-QC	SPL-21	SPL-34	WEI-21

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE VA14066849

This report is for 113 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5-MAY-2014.

The following have access to data associated with this certificate:

JOHN BUCKLE	ERIK OSTENSOE	FARSHAD SHIRVANI

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-34	Pulp Splitting Charge
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-ICP61a	High Grade Four Acid ICP-AES	ICP-AES

To: **TERRACAD GEOSCIENCE**
ATTN: ERIK OSTENSOE
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
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CERTIFICATE OF ANALYSIS VA14066849

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461652		1.74	0.20	<1	5.97	<50	220	<10	<20	6.32	<10	40	350	2960	7.64	<50
Q461653		2.74	0.03	<1	5.18	<50	210	<10	<20	6.18	<10	70	530	800	8.17	<50
Q461654		2.28	0.02	<1	5.67	<50	360	<10	<20	3.94	<10	20	70	470	5.84	<50
Q461655		4.14	0.01	<1	6.38	<50	460	<10	<20	4.37	<10	30	70	470	6.49	<50
Q461656		4.94	0.01	<1	5.48	<50	200	<10	<20	7.06	<10	50	410	270	7.00	<50
Q461657		5.48	0.01	<1	5.26	<50	190	<10	<20	7.64	<10	50	410	190	7.35	<50
Q461658		4.98	0.01	<1	4.90	<50	170	<10	<20	7.07	<10	50	360	120	6.85	<50
Q461659		6.30	0.04	<1	6.78	<50	210	<10	<20	6.38	<10	50	190	970	8.95	<50
Q461660		4.82	0.04	<1	4.79	<50	160	<10	<20	7.29	<10	130	380	1140	9.29	<50
Q461325		0.06	1.22	32	4.14	<50	820	<10	<20	1.59	<10	10	30	2970	2.63	<50
Q461661		5.22	0.01	<1	4.63	<50	200	<10	<20	7.46	<10	60	450	120	7.33	<50
Q461662		6.00	0.04	<1	6.06	<50	140	<10	<20	6.65	<10	40	290	510	7.66	<50
Q461663		3.16	0.08	<1	7.03	<50	190	<10	<20	5.49	<10	40	90	1280	8.49	<50
Q461664		4.28	0.01	<1	4.73	<50	180	<10	<20	7.39	<10	50	460	130	7.07	<50
Q461665		5.12	0.01	<1	5.00	<50	150	<10	<20	7.57	<10	60	450	140	7.82	<50
Q461666		4.62	0.01	<1	6.94	<50	120	<10	<20	7.28	<10	30	180	140	5.19	<50
Q461667		5.00	0.01	<1	7.61	<50	150	<10	<20	7.40	<10	20	20	90	4.40	<50
Q461668		5.48	0.01	<1	7.09	<50	120	<10	<20	7.55	<10	30	20	240	3.53	<50
Q461669		4.24	0.01	<1	7.05	<50	120	<10	<20	6.84	<10	50	50	390	4.99	<50
Q461670		3.20	0.02	<1	5.33	<50	130	<10	<20	6.23	<10	70	450	90	9.48	<50
Q461034		<0.02	0.03	<1	5.30	<50	130	<10	<20	6.13	<10	70	460	90	9.47	<50
Q461671		4.58	0.01	<1	5.30	<50	120	<10	<20	7.05	<10	80	430	60	9.31	<50
Q461672		3.54	0.02	<1	6.13	<50	240	<10	<20	6.28	<10	60	280	380	7.93	<50
Q461673		4.00	0.05	<1	6.40	<50	430	<10	<20	3.73	<10	30	50	730	8.76	<50
Q461674		4.86	0.01	<1	6.95	<50	440	<10	<20	5.36	<10	50	240	420	8.60	<50
Q461675		4.10	0.01	<1	6.89	<50	230	<10	<20	6.36	<10	60	220	290	6.07	<50
Q461676		2.72	0.03	<1	5.52	<50	690	<10	<20	4.39	<10	50	20	320	4.86	<50
Q461677		4.30	0.01	<1	4.64	<50	930	<10	<20	3.37	<10	30	<10	220	6.04	<50
Q461678		4.38	<0.01	<1	5.00	<50	980	<10	<20	3.50	<10	40	<10	90	5.95	<50
Q461679		4.58	0.01	<1	4.83	<50	700	<10	20	3.45	<10	20	<10	270	6.09	<50
Q461680		4.86	0.02	<1	4.51	<50	800	<10	<20	3.05	<10	20	<10	300	6.07	<50
Q461341		0.04	0.76	13	3.87	990	640	<10	30	7.53	10	70	30	8930	6.24	<50
Q461681		2.26	0.01	<1	4.60	<50	1090	<10	<20	2.97	<10	20	<10	300	5.81	<50
Q461682		3.64	0.01	<1	5.86	<50	490	<10	<20	5.32	<10	70	400	120	9.07	<50
Q461683		4.24	0.01	<1	5.21	<50	260	<10	<20	6.42	<10	70	420	170	9.56	<50
Q461684		7.86	0.04	<1	5.46	<50	800	<10	<20	4.14	<10	90	30	330	7.21	<50
Q461685		4.50	0.04	<1	6.46	<50	230	<10	<20	5.74	<10	60	220	190	7.11	<50
Q461686		2.38	0.04	<1	6.77	<50	670	<10	<20	4.45	<10	40	120	310	7.75	<50
Q461687		4.12	0.01	<1	5.16	<50	740	<10	<20	4.50	<10	30	10	170	6.85	<50
Q461688		3.88	0.01	<1	5.25	<50	750	<10	<20	4.70	<10	30	10	220	6.87	<50

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066849

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461652		1.0	<50	6.43	1150	<10	1.86	150	1170	<20	0.46	<50	30	250	<50	0.35
Q461653		1.0	<50	7.73	1400	<10	1.25	230	880	140	0.12	<50	40	150	<50	0.37
Q461654		0.9	<50	2.04	610	<10	3.94	20	1220	<20	0.08	<50	10	300	<50	0.35
Q461655		1.0	<50	2.39	860	<10	3.70	30	1210	<20	0.11	<50	20	330	<50	0.37
Q461656		0.9	<50	6.92	1180	<10	1.55	200	1020	<20	0.29	<50	40	280	<50	0.36
Q461657		0.8	<50	7.40	1310	<10	1.24	210	990	<20	0.23	<50	40	250	<50	0.38
Q461658		0.8	<50	6.81	1320	<10	1.50	180	1000	<20	0.20	<50	40	300	<50	0.37
Q461659		0.7	<50	4.82	1000	<10	2.12	460	990	<20	0.58	<50	30	280	<50	0.42
Q461660		0.9	<50	7.79	1200	<10	0.92	900	800	<20	2.60	<50	40	200	<50	0.32
Q461325		1.9	<50	0.18	430	390	2.35	10	330	60	1.00	80	<10	510	<50	0.10
Q461661		0.9	<50	8.18	1320	<10	0.88	260	760	<20	0.26	<50	40	170	<50	0.34
Q461662		0.7	<50	6.21	950	<10	2.06	140	1000	<20	0.18	<50	30	220	<50	0.37
Q461663		0.6	<50	3.43	810	<10	2.93	60	1240	<20	0.30	<50	30	320	<50	0.40
Q461664		0.9	<50	7.83	1210	<10	0.99	210	860	<20	0.22	<50	40	190	<50	0.35
Q461665		0.9	<50	7.68	1400	<10	0.97	220	890	<20	0.26	<50	40	170	<50	0.35
Q461666		0.6	<50	4.80	910	<10	2.27	90	1080	<20	0.31	<50	30	420	<50	0.42
Q461667		0.4	<50	2.82	770	<10	2.80	50	1060	<20	0.18	<50	20	580	<50	0.43
Q461668		0.4	<50	2.80	680	<10	2.79	80	1160	<20	0.38	<50	20	510	<50	0.43
Q461669		0.6	<50	3.15	750	<10	2.50	130	1210	<20	0.89	<50	20	470	<50	0.43
Q461670		0.7	<50	8.08	1720	<10	1.08	220	900	<20	0.33	<50	40	140	<50	0.37
Q461034		0.7	<50	7.92	1700	<10	1.08	220	880	<20	0.33	<50	40	140	<50	0.37
Q461671		0.6	<50	7.65	1950	<10	0.93	210	940	<20	0.31	<50	40	130	<50	0.35
Q461672		0.8	<50	5.87	1310	<10	1.77	150	940	<20	0.46	<50	30	280	<50	0.38
Q461673		0.9	<50	2.65	1160	<10	3.53	30	1360	<20	0.17	<50	20	330	<50	0.39
Q461674		1.1	<50	5.00	1100	<10	2.37	120	1160	<20	0.19	<50	30	330	<50	0.38
Q461675		0.9	<50	4.85	830	<10	2.09	100	1040	<20	0.79	<50	30	410	<50	0.41
Q461676		1.7	<50	1.86	850	<10	2.77	20	1310	<20	0.23	<50	10	410	<50	0.38
Q461677		2.5	<50	1.57	640	<10	3.14	<10	1440	40	0.08	<50	10	370	<50	0.36
Q461678		2.4	<50	1.59	650	<10	3.07	<10	1520	<20	0.08	<50	10	370	<50	0.36
Q461679		1.9	<50	1.63	590	<10	3.37	<10	1480	<20	0.06	<50	10	350	<50	0.37
Q461680		2.5	<50	1.63	570	<10	3.17	<10	1540	<20	0.06	<50	10	360	<50	0.37
Q461341		1.3	<50	1.01	2040	330	1.18	20	720	120	1.61	<50	10	360	<50	0.16
Q461681		3.3	<50	1.45	720	<10	2.95	<10	1590	<20	0.06	<50	10	350	<50	0.36
Q461682		1.6	<50	6.57	1590	<10	1.40	170	1100	<20	0.27	<50	30	180	<50	0.36
Q461683		0.9	<50	7.21	2070	<10	1.20	210	970	<20	0.29	<50	40	210	<50	0.35
Q461684		2.1	<50	2.13	1130	<10	2.48	30	1320	<20	0.56	<50	10	330	<50	0.38
Q461685		0.8	<50	4.60	1260	<10	2.34	120	1140	20	0.41	<50	20	360	<50	0.40
Q461686		1.9	<50	3.29	1180	<10	2.54	40	1570	<20	0.11	<50	20	310	<50	0.38
Q461687		2.0	<50	2.01	1030	<10	2.85	<10	1770	<20	0.05	<50	10	390	<50	0.39
Q461688		2.1	<50	2.02	890	<10	2.72	<10	1720	<20	0.09	<50	10	410	<50	0.39

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Finalized Date: 8 - MAY - 2014
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CERTIFICATE OF ANALYSIS VA14066849

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	50	50	10	50	20
Q461652		<50	<50	310	<50	80
Q461653		<50	<50	250	<50	230
Q461654		<50	<50	240	<50	30
Q461655		<50	<50	250	<50	60
Q461656		<50	<50	240	<50	40
Q461657		<50	<50	250	<50	50
Q461658		<50	<50	250	<50	50
Q461659		<50	<50	350	<50	40
Q461660		<50	<50	230	<50	40
Q461325		<50	<50	40	<50	60
Q461661		<50	<50	240	<50	40
Q461662		<50	<50	270	<50	30
Q461663		<50	<50	300	<50	40
Q461664		<50	<50	260	<50	40
Q461665		<50	<50	260	<50	40
Q461666		<50	<50	270	<50	30
Q461667		<50	<50	280	<50	20
Q461668		<50	<50	250	<50	30
Q461669		<50	<50	290	<50	30
Q461670		<50	<50	260	<50	60
Q461034		<50	<50	260	<50	60
Q461671		<50	<50	250	<50	70
Q461672		<50	<50	270	<50	40
Q461673		<50	<50	280	<50	70
Q461674		<50	<50	270	<50	50
Q461675		<50	<50	270	<50	40
Q461676		<50	<50	230	<50	50
Q461677		<50	<50	240	<50	100
Q461678		<50	<50	240	<50	50
Q461679		<50	<50	240	<50	40
Q461680		<50	<50	240	<50	40
Q461341		<50	<50	80	<50	1470
Q461681		<50	<50	230	<50	50
Q461682		<50	<50	230	<50	60
Q461683		<50	<50	240	<50	80
Q461684		<50	<50	240	<50	50
Q461685		<50	<50	240	<50	50
Q461686		<50	<50	280	<50	60
Q461687		<50	<50	280	<50	60
Q461688		<50	<50	290	<50	50

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CERTIFICATE OF ANALYSIS VA14066849

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461689		4.94	0.01	<1	4.72	<50	730	<10	<20	4.63	<10	40	10	260	6.71	<50
Q461690		4.66	0.01	<1	5.01	<50	650	<10	<20	4.84	<10	20	10	220	6.30	<50
Q461035		<0.02	0.01	<1	5.20	<50	660	<10	<20	4.98	<10	30	<10	230	6.59	<50
Q461691		4.82	0.01	<1	5.06	<50	220	<10	<20	7.72	<10	70	440	260	8.68	<50
Q461692		5.22	0.01	<1	4.78	<50	180	<10	<20	7.06	<10	60	520	160	9.13	<50
Q461693		4.86	0.01	<1	6.66	<50	240	<10	<20	7.36	<10	60	50	180	4.89	<50
Q461694		5.06	<0.01	<1	6.30	<50	220	<10	<20	7.48	<10	20	20	110	4.46	<50
Q461695		4.00	0.01	<1	5.72	<50	260	<10	<20	5.88	<10	60	30	400	4.01	<50
Q461696		4.46	<0.01	<1	6.18	<50	620	<10	<20	5.00	<10	30	60	320	6.47	<50
Q461697		4.78	<0.01	<1	5.92	<50	150	<10	20	5.97	<10	50	330	120	9.04	<50
Q461698		4.96	<0.01	<1	6.00	<50	210	<10	<20	6.07	<10	50	350	140	7.86	<50
Q461699		4.72	0.01	<1	6.51	<50	200	<10	<20	6.51	<10	50	260	200	6.93	<50
Q461700		4.46	<0.01	<1	6.16	<50	190	<10	<20	6.66	<10	40	290	50	6.92	<50
Q461251		4.54	0.01	<1	7.05	<50	280	<10	<20	5.48	<10	30	60	320	3.23	<50
Q461252		4.10	0.17	<1	5.60	<50	170	<10	<20	5.07	<10	70	10	1870	3.93	<50
Q461253		4.34	0.01	<1	6.47	<50	240	<10	<20	4.39	<10	30	10	300	7.62	<50
Q461254		4.48	0.03	<1	6.88	<50	400	<10	<20	4.16	<10	50	30	460	7.94	<50
Q461255		4.76	0.01	<1	5.93	<50	180	<10	<20	6.59	<10	80	280	240	7.85	<50
Q461256		3.08	0.04	<1	5.46	<50	150	<10	<20	6.77	<10	90	300	1260	7.65	<50
Q461257		4.20	<0.01	<1	5.10	<50	140	<10	<20	6.87	<10	60	400	190	7.69	<50
Q461258		4.92	0.01	<1	7.60	<50	170	<10	<20	5.59	<10	50	110	460	4.56	<50
Q461259		4.66	0.02	<1	5.04	<50	100	<10	<20	5.36	<10	50	10	690	3.63	<50
Q461260		5.10	0.02	<1	4.45	<50	150	<10	<20	5.48	<10	80	10	660	3.67	<50
Q461036		<0.02	0.02	<1	4.69	<50	160	<10	<20	5.38	<10	80	10	670	3.81	<50
Q461261		4.18	0.01	<1	5.88	<50	100	<10	<20	5.60	<10	60	20	280	3.36	<50
Q461262		5.74	0.02	<1	5.64	<50	150	<10	<20	7.02	<10	110	360	210	7.56	<50
Q461263		4.26	0.02	<1	6.22	<50	1130	<10	<20	4.65	<10	30	100	240	7.80	<50
Q461264		3.60	0.01	<1	6.29	<50	640	<10	<20	6.42	<10	40	300	100	8.02	<50
Q461265		5.40	0.01	<1	7.13	<50	150	<10	<20	7.74	<10	50	190	230	6.51	<50
Q461266		5.78	0.02	<1	7.60	<50	190	<10	<20	7.97	<10	60	100	350	8.94	<50
Q461267		5.14	0.01	<1	7.93	<50	240	<10	<20	7.62	<10	40	30	270	7.55	<50
Q461268		4.12	0.01	<1	7.42	<50	280	<10	<20	7.42	<10	20	10	140	5.76	<50
Q461269		6.18	0.02	<1	7.14	<50	160	<10	<20	6.91	<10	90	40	390	9.91	<50
Q461270		4.60	0.01	<1	6.28	<50	140	<10	<20	6.59	<10	40	50	350	9.01	<50
Q461935		0.06	0.73	12	3.61	940	620	<10	30	7.29	10	70	30	8730	6.09	<50
Q461271		5.38	0.05	1	5.59	<50	70	<10	<20	3.68	<10	110	50	1130	20.3	<50
Q461272		5.12	<0.01	<1	7.31	<50	230	<10	<20	8.09	<10	40	50	100	6.80	<50
Q461273		5.96	0.01	<1	7.37	<50	190	<10	<20	7.62	<10	40	50	150	9.10	<50
Q461274		5.26	0.01	<1	7.40	<50	170	<10	<20	7.96	<10	30	40	100	6.82	<50
Q461275		4.52	<0.01	<1	7.51	<50	220	<10	<20	7.96	<10	30	50	80	8.16	<50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066849

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461689		2.3	<50	1.79	760	<10	2.52	<10	1690	<20	0.07	<50	10	370	<50	0.37
Q461690		2.1	<50	1.57	820	<10	2.67	<10	1650	<20	0.05	<50	10	330	<50	0.37
Q461035		2.2	<50	1.63	840	<10	2.76	<10	1730	<20	0.05	<50	10	340	<50	0.39
Q461691		0.9	<50	5.91	1510	<10	1.14	180	790	<20	0.31	<50	40	160	<50	0.33
Q461692		0.8	<50	7.35	1800	<10	1.14	220	800	<20	0.23	<50	40	150	<50	0.33
Q461693		0.9	<50	2.64	980	<10	2.54	60	1000	<20	0.55	<50	20	350	<50	0.41
Q461694		1.0	<50	2.37	800	<10	2.77	30	1010	<20	0.23	<50	20	400	<50	0.42
Q461695		0.8	<50	1.80	760	<10	3.44	60	1150	<20	1.04	<50	10	320	<50	0.36
Q461696		1.8	<50	2.52	1630	<10	2.64	30	1440	<20	0.14	<50	10	360	<50	0.38
Q461697		0.6	<50	6.56	2280	<10	1.72	170	950	<20	0.14	<50	30	170	<50	0.36
Q461698		1.0	<50	6.83	1180	<10	1.61	170	930	<20	0.24	<50	30	230	<50	0.37
Q461699		0.8	<50	5.67	1200	<10	2.02	130	950	<20	0.34	<50	30	260	<50	0.38
Q461700		0.7	<50	6.48	1290	<10	1.89	160	970	<20	0.19	<50	30	260	<50	0.37
Q461251		0.7	<50	2.60	580	<10	3.32	50	1210	<20	0.55	<50	20	450	<50	0.39
Q461252		0.6	<50	1.76	520	<10	3.78	70	1180	40	1.28	<50	10	420	<50	0.36
Q461253		0.6	<50	2.48	1230	<10	3.71	30	1140	<20	0.11	<50	10	290	<50	0.40
Q461254		0.7	<50	2.88	1540	<10	3.51	30	1130	20	0.20	<50	20	300	<50	0.40
Q461255		0.7	<50	6.73	1460	<10	1.76	160	900	<20	0.49	<50	30	210	<50	0.35
Q461256		0.7	<50	7.05	1560	<10	1.59	200	860	<20	0.73	<50	30	200	<50	0.33
Q461257		0.7	<50	7.98	1770	<10	1.22	210	780	<20	0.25	<50	40	150	<50	0.33
Q461258		0.7	<50	3.11	670	<10	3.28	70	1180	<20	0.95	<50	20	450	<50	0.38
Q461259		0.5	<50	1.58	570	<10	3.85	20	1150	<20	1.43	<50	10	360	<50	0.34
Q461260		0.5	<50	1.29	760	<10	3.84	30	1110	<20	1.53	<50	10	370	<50	0.33
Q461036		0.5	<50	1.34	780	<10	3.89	20	1140	<20	1.59	<50	10	380	<50	0.34
Q461261		0.4	<50	1.69	720	<10	3.72	40	1150	<20	0.73	<50	10	350	<50	0.35
Q461262		0.6	<50	6.22	1120	<10	1.76	170	1210	<20	0.60	<50	40	260	<50	0.35
Q461263		2.8	<50	3.10	790	<10	1.94	40	1680	<20	0.12	<50	20	410	<50	0.40
Q461264		1.9	<50	5.63	1180	<10	1.41	120	1270	<20	0.11	<50	30	220	<50	0.39
Q461265		0.6	<50	4.91	910	<10	1.90	80	1230	<20	0.27	<50	30	400	<50	0.42
Q461266		0.5	<50	4.29	1510	<10	1.65	30	1520	<20	0.21	<50	30	440	<50	0.51
Q461267		0.6	<50	2.85	1270	<10	2.02	10	1430	<20	0.13	<50	20	490	<50	0.44
Q461268		0.6	<50	2.03	800	<10	2.37	10	840	<20	0.15	<50	10	570	<50	0.33
Q461269		0.5	<50	3.51	1280	<10	2.17	30	2140	<20	0.35	<50	30	400	<50	0.46
Q461270		0.5	<50	3.18	1530	<10	2.28	20	850	<20	0.12	<50	30	370	<50	0.43
Q461935		1.3	<50	0.98	1980	320	1.16	20	650	100	1.58	<50	10	350	<50	0.16
Q461271		0.3	<50	1.77	2010	10	2.41	40	240	<20	0.45	<50	10	350	<50	0.43
Q461272		0.5	<50	3.49	1130	<10	2.16	20	1000	<20	0.20	<50	30	410	<50	0.46
Q461273		0.5	<50	3.76	1540	<10	2.05	20	780	<20	0.27	<50	40	400	<50	0.56
Q461274		0.4	<50	3.58	1150	<10	2.13	20	1280	<20	0.12	<50	30	430	<50	0.50
Q461275		0.5	<50	3.72	1220	<10	1.95	20	600	<20	0.10	<50	40	420	<50	0.42

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066849

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	50	50	10	50	20
Q461689		<50	<50	280	<50	50
Q461690		<50	<50	270	<50	50
Q461035		<50	<50	280	<50	50
Q461691		<50	<50	230	<50	50
Q461692		<50	<50	240	<50	60
Q461693		<50	<50	240	<50	40
Q461694		<50	<50	270	<50	40
Q461695		<50	<50	200	<50	40
Q461696		<50	<50	240	<50	150
Q461697		<50	<50	240	<50	150
Q461698		<50	<50	250	<50	60
Q461699		<50	<50	250	<50	60
Q461700		<50	<50	250	<50	70
Q461251		<50	<50	210	<50	30
Q461252		<50	<50	200	<50	60
Q461253		<50	<50	280	<50	90
Q461254		<50	<50	300	<50	110
Q461255		<50	<50	250	<50	70
Q461256		<50	<50	240	<50	70
Q461257		<50	<50	240	<50	80
Q461258		<50	<50	220	<50	90
Q461259		<50	<50	160	<50	120
Q461260		<50	<50	170	<50	330
Q461036		<50	<50	180	<50	340
Q461261		<50	<50	180	<50	80
Q461262		<50	<50	270	<50	60
Q461263		<50	<50	300	<50	40
Q461264		<50	<50	270	<50	60
Q461265		<50	<50	320	<50	50
Q461266		<50	<50	370	<50	70
Q461267		<50	<50	350	<50	60
Q461268		<50	<50	280	<50	40
Q461269		<50	<50	420	<50	60
Q461270		<50	<50	390	<50	70
Q461935		<50	<50	80	<50	1430
Q461271		<50	<50	700	<50	80
Q461272		<50	<50	350	<50	50
Q461273		<50	<50	430	<50	60
Q461274		<50	<50	380	<50	50
Q461275		<50	<50	420	<50	50

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066849

Sample Description	Method	WEI-21	Au-AA26	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.01	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50
Q461276		5.24	0.01	<1	7.53	<50	250	<10	<20	8.05	<10	40	50	140	8.00	<50
Q461277		5.34	<0.01	<1	6.79	<50	280	<10	<20	7.54	<10	30	20	70	4.56	<50
Q461278		5.70	0.01	<1	7.80	<50	230	<10	<20	7.86	<10	40	40	70	7.98	<50
Q461279		4.78	0.01	<1	7.83	<50	250	<10	<20	7.58	<10	40	40	110	7.95	<50
Q461280		5.28	<0.01	<1	7.45	<50	250	<10	<20	7.80	<10	40	50	70	7.44	<50
Q461037		<0.02	0.01	<1	7.75	<50	250	<10	<20	7.92	<10	30	40	70	7.55	<50
Q461281		5.90	0.01	<1	7.32	<50	230	<10	<20	7.33	<10	40	40	150	7.88	<50
Q461282		5.30	0.02	<1	7.62	<50	180	<10	<20	7.17	<10	30	40	140	8.65	<50
Q461283 A		5.80	<0.01	<1	7.51	<50	220	<10	<20	7.52	<10	40	40	60	7.98	<50
Q461283 B		4.36	0.01	<1	7.24	<50	200	<10	<20	6.97	<10	40	40	470	8.05	<50
Q461284		5.64	0.03	<1	7.16	<50	220	<10	<20	7.25	<10	40	40	180	9.04	<50
Q461285		<0.02	0.02	<1	7.33	<50	220	<10	<20	7.36	<10	40	40	180	9.07	<50
Q461286		5.06	0.01	<1	7.40	<50	320	<10	<20	6.87	<10	30	40	120	7.80	<50
Q461287		4.60	<0.01	<1	7.39	<50	240	<10	<20	7.38	<10	30	40	120	8.24	<50
Q461288		4.82	0.01	<1	7.16	<50	260	<10	<20	6.66	<10	30	30	110	6.91	<50
Q461289		5.66	<0.01	<1	7.40	<50	990	<10	<20	7.30	<10	40	30	130	7.66	<50
Q461290		4.68	0.01	<1	6.93	<50	150	<10	<20	8.44	<10	30	30	110	5.95	<50
Q461291		4.78	<0.01	<1	7.47	<50	260	<10	<20	8.04	<10	30	30	60	7.00	<50
Q461292		4.06	0.01	<1	6.89	<50	310	<10	<20	6.83	<10	30	30	110	7.49	<50
Q461293		4.62	<0.01	<1	6.92	<50	210	<10	<20	7.41	<10	30	40	60	6.94	<50
Q461294		6.16	0.01	<1	7.26	<50	400	<10	<20	7.34	<10	40	40	130	7.31	<50
Q461295		4.42	0.01	<1	7.38	<50	210	<10	<20	6.53	<10	30	40	160	7.36	<50
Q461296		4.58	0.01	<1	6.23	<50	300	<10	<20	6.79	<10	30	30	100	6.74	<50
Q461297		5.14	0.01	<1	7.43	<50	370	<10	<20	6.85	<10	30	40	120	7.29	<50
Q461298		3.96	0.01	<1	6.95	<50	100	<10	<20	6.16	<10	40	40	180	8.77	<50
Q461299		6.24	<0.01	<1	6.42	<50	270	<10	<20	6.66	<10	30	30	70	7.20	<50
Q461300		5.58	<0.01	<1	7.50	<50	370	<10	<20	7.10	<10	30	30	140	7.11	<50
Q461038		<0.02	<0.01	<1	7.75	<50	360	<10	<20	7.08	<10	30	30	120	7.11	<50
Q461501		5.98	<0.01	<1	8.15	<50	340	<10	<20	7.60	<10	30	40	100	7.11	<50
Q461502		5.36	0.01	<1	8.00	<50	250	<10	<20	7.36	<10	30	40	110	7.30	<50
Q461503		5.18	<0.01	<1	7.67	<50	230	<10	<20	7.42	<10	30	40	70	7.03	<50
Q461504		6.06	0.01	<1	7.98	<50	210	<10	<20	6.83	<10	30	40	90	8.01	<50
Q461505		1.70	<0.01	<1	7.93	<50	210	<10	<20	7.68	<10	20	40	40	6.91	<50

***** See Appendix Page for comments regarding this certificate *****

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310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066849

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
Q461276		0.5	<50	3.91	1310	<10	1.79	30	390	<20	0.19	<50	40	380	<50	0.37
Q461277		0.6	<50	2.06	920	<10	2.17	10	370	<20	0.09	<50	10	550	<50	0.21
Q461278		0.7	<50	3.68	1470	<10	2.00	20	500	<20	0.09	<50	30	420	<50	0.43
Q461279		0.7	<50	3.73	1410	<10	2.11	20	720	<20	0.10	<50	30	420	<50	0.39
Q461280		0.7	<50	3.84	1430	<10	2.01	20	480	<20	0.08	<50	40	440	<50	0.38
Q461037		0.7	<50	3.97	1450	<10	2.00	10	460	<20	0.07	<50	40	440	<50	0.39
Q461281		0.6	<50	3.47	1280	<10	2.31	40	850	<20	0.09	<50	30	420	<50	0.40
Q461282		0.5	<50	3.29	1220	<10	2.36	20	850	<20	0.08	<50	30	440	<50	0.39
Q461283 A		0.5	<50	3.46	1270	<10	2.29	20	940	<20	0.06	<50	30	450	<50	0.45
Q461283 B		0.6	<50	3.30	1370	<10	2.26	20	1010	<20	0.18	<50	30	450	<50	0.46
Q461284		0.5	<50	3.33	1340	<10	2.23	20	1170	<20	0.14	<50	30	450	<50	0.48
Q461285		0.5	<50	3.36	1360	<10	2.24	20	1190	<20	0.14	<50	30	460	<50	0.49
Q461286		0.6	<50	3.29	1270	<10	2.45	20	980	<20	0.12	<50	30	440	<50	0.46
Q461287		0.6	<50	3.72	1300	<10	2.29	20	1110	<20	0.09	<50	40	400	<50	0.47
Q461288		0.6	<50	2.97	1120	<10	2.59	20	1100	<20	0.13	<50	30	390	<50	0.45
Q461289		0.6	<50	3.43	1370	<10	2.31	20	1050	<20	0.18	<50	30	410	<50	0.46
Q461290		0.4	<50	3.02	1330	<10	2.46	20	1230	<20	0.10	<50	30	340	<50	0.45
Q461291		0.5	<50	2.90	1190	<10	2.47	10	1320	<20	0.06	<50	30	480	<50	0.47
Q461292		0.6	<50	2.69	1100	<10	2.35	20	1240	<20	0.07	<50	30	470	<50	0.46
Q461293		0.5	<50	2.99	1160	<10	2.45	20	1300	<20	<0.05	<50	30	480	<50	0.46
Q461294		0.6	<50	3.18	1350	<10	2.27	20	900	<20	0.17	<50	30	420	<50	0.43
Q461295		0.6	<50	3.26	1310	<10	2.48	20	910	<20	0.07	<50	30	420	<50	0.40
Q461296		0.6	<50	2.84	1210	<10	2.43	20	1100	<20	0.06	<50	20	460	<50	0.38
Q461297		0.7	<50	2.96	1250	<10	2.49	10	1120	<20	0.08	<50	30	440	<50	0.41
Q461298		0.2	<50	3.16	750	<10	2.87	20	1230	<20	0.10	<50	30	320	<50	0.41
Q461299		0.6	<50	2.71	1080	<10	2.57	10	1010	<20	0.05	<50	20	450	<50	0.38
Q461300		0.7	<50	2.97	1380	<10	2.31	10	1080	<20	0.09	<50	30	450	<50	0.41
Q461038		0.8	<50	3.02	1380	<10	2.25	20	1050	<20	0.09	<50	30	450	<50	0.42
Q461501		0.7	<50	3.19	1440	<10	2.39	30	1090	30	0.08	<50	30	450	<50	0.43
Q461502		0.6	<50	3.17	1270	<10	2.47	30	1130	20	0.06	<50	30	450	<50	0.41
Q461503		0.5	<50	3.13	1190	<10	2.41	10	1010	<20	<0.05	<50	30	440	<50	0.42
Q461504		0.5	<50	2.99	1060	<10	2.60	20	1160	<20	0.05	<50	30	510	<50	0.42
Q461505		0.5	<50	3.39	1080	<10	2.48	20	1070	<20	<0.05	<50	30	480	<50	0.42

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8 - MAY - 2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066849

Sample Description	Method Analyte Units LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
Q461276		<50	<50	370	<50	60
Q461277		<50	<50	170	<50	50
Q461278		<50	<50	340	<50	70
Q461279		<50	<50	320	<50	60
Q461280		<50	<50	330	<50	60
Q461037		<50	<50	340	<50	60
Q461281		<50	<50	350	<50	70
Q461282		<50	<50	370	<50	60
Q461283 A		<50	<50	370	<50	60
Q461283 B		<50	<50	350	<50	50
Q461284		<50	<50	390	<50	50
Q461285		<50	<50	390	<50	50
Q461286		<50	<50	360	<50	50
Q461287		<50	<50	370	<50	50
Q461288		<50	<50	300	<50	50
Q461289		<50	<50	350	<50	60
Q461290		<50	<50	300	<50	60
Q461291		<50	<50	330	<50	40
Q461292		<50	<50	340	<50	50
Q461293		<50	<50	330	<50	40
Q461294		<50	<50	330	<50	60
Q461295		<50	<50	330	<50	40
Q461296		<50	<50	300	<50	50
Q461297		<50	<50	280	<50	60
Q461298		<50	<50	340	<50	40
Q461299		<50	<50	320	<50	50
Q461300		<50	<50	310	<50	80
Q461038		<50	<50	300	<50	80
Q461501		<50	<50	290	<50	70
Q461502		<50	<50	310	<50	120
Q461503		<50	<50	290	<50	50
Q461504		<50	<50	380	<50	30
Q461505		<50	<50	340	<50	40

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 8-MAY-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14066849

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA26	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	ME-ICP61a	PUL-31
PUL-QC	SPL-21	SPL-34	WEI-21

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Erik Ostensoe/ Farshad Shirvani
Receiving Lab: Canada-Smithers
Received: June 20, 2014
Report Date: September 26, 2014
Page: 1 of 6

CERTIFICATE OF ANALYSIS SMI14000331.2

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 131

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	130	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	130	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	130	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA404	2	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : MA404-Cu included.

Invoice To: Doubleview Capital Corp.
310-675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Email Distribution List

BRITISH COLUMBIA CERTIFIED ASSAYER
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. Acme 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.

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2327351	Drill Core	4.05	0.008	1.2	89.0	4.6	59	<0.1	39.6	46.2	1255	6.59	4	1.5	1.4	421	0.2	0.3	<0.1	246	5.54
2327352	Drill Core	3.13	0.007	1.8	96.6	1.8	25	<0.1	8.3	32.0	753	6.10	3	1.2	1.7	373	<0.1	0.4	<0.1	259	4.51
2327353	Drill Core	6.12	0.013	4.2	118.3	2.5	27	<0.1	8.7	29.8	935	6.10	4	1.0	1.8	421	<0.1	0.5	<0.1	243	4.40
2327354	Drill Core	4.22	0.014	2.6	147.3	2.2	32	<0.1	8.0	30.9	803	6.57	3	1.0	1.7	349	<0.1	0.4	<0.1	255	4.11
2327355	Drill Core	8.99	0.007	0.6	107.1	2.0	22	<0.1	7.5	35.9	882	6.54	4	1.2	1.6	372	<0.1	0.5	<0.1	265	4.89
2327356	Drill Core	5.48	0.020	1.9	166.7	18.2	26	<0.1	6.2	26.8	1217	5.97	3	1.7	1.7	448	<0.1	0.9	<0.1	271	4.83
2327357	Drill Core	4.27	0.036	4.5	1455.7	3.4	34	0.4	6.3	26.3	1549	5.84	4	1.5	1.6	465	<0.1	1.6	<0.1	269	5.49
2327358	Drill Core	5.67	0.038	1.4	289.9	2.9	31	0.1	7.4	23.4	965	6.13	3	1.6	1.7	353	<0.1	0.5	<0.1	263	4.79
2327359	Drill Core	5.01	0.030	1.8	355.4	12.8	64	0.2	12.1	33.9	1104	6.81	3	1.2	1.4	367	0.1	0.6	<0.1	292	5.40
2327360	Drill Core	3.17	0.018	4.2	161.0	2.5	29	0.1	12.8	32.3	945	7.24	3	1.6	1.5	340	<0.1	0.3	<0.1	292	4.66
2327361	Drill Core	4.29	0.032	4.7	303.5	12.6	63	0.3	30.4	121.7	1801	8.96	10	1.3	1.1	290	0.1	0.6	<0.1	284	5.29
2327362	Drill Core	6.28	0.020	2.6	206.3	1.4	29	0.1	9.4	30.5	762	6.61	2	1.5	1.2	323	<0.1	0.3	<0.1	272	3.95
2327363	Drill Core	5.64	0.067	7.5	712.9	3.9	40	0.4	39.4	123.7	2072	9.38	10	1.1	0.8	329	<0.1	0.9	<0.1	263	5.14
2327364	Drill Core	6.59	0.439	121.7	2812.2	10.5	49	2.1	45.7	210.1	1843	9.53	27	1.4	0.8	478	<0.1	2.3	0.1	260	5.92
2327365	Drill Core	6.01	1.274	65.2	2582.3	8.3	58	2.8	41.7	123.9	2161	9.11	15	1.4	1.0	489	0.2	2.6	<0.1	229	5.81
2327366	Drill Core	6.35	0.049	55.8	512.0	3.4	50	0.3	28.2	56.4	2446	8.12	6	1.5	1.1	601	<0.1	3.0	<0.1	235	7.06
2327367	Drill Core	5.64	0.065	21.3	2275.7	48.3	177	2.0	43.7	125.1	3068	10.88	23	1.8	1.5	314	0.5	1.7	<0.1	249	5.14
2327368	Drill Core	6.91	0.038	11.7	896.7	7.1	48	1.1	42.3	147.4	2294	8.49	25	1.5	1.5	342	<0.1	1.6	<0.1	249	5.21
2327369	Drill Core	7.11	0.031	10.2	1815.9	9.7	60	1.2	40.1	101.1	3229	8.73	15	1.3	1.5	395	<0.1	2.3	<0.1	265	5.85
2327370	Drill Core	2.70	0.015	29.0	450.1	6.6	71	0.4	17.4	115.0	2285	8.99	13	1.2	1.2	292	0.1	0.8	<0.1	257	3.37
2327371	Drill Core	5.50	0.014	4.9	90.7	2.6	35	<0.1	6.5	40.5	1576	6.53	4	1.6	1.3	246	<0.1	0.5	<0.1	242	4.30
2327372	Drill Core	5.37	0.007	3.5	85.4	4.3	44	0.1	11.1	93.4	1412	7.77	4	1.5	1.2	367	<0.1	0.5	<0.1	271	3.88
2327373	Drill Core	5.37	0.013	5.4	224.1	7.0	64	0.1	11.1	80.3	1977	8.29	8	1.6	1.6	319	<0.1	0.7	<0.1	281	4.65
2327374	Drill Core	5.09	0.008	2.9	295.6	2.3	40	0.1	11.5	37.1	1078	7.23	4	2.0	1.6	256	<0.1	0.4	<0.1	303	5.42
2327375	Drill Core	3.96	0.010	0.4	259.6	1.9	37	<0.1	25.9	34.0	1343	6.84	3	1.3	1.1	385	<0.1	0.4	<0.1	295	5.74
2327376	Drill Core	5.80	0.014	0.3	280.1	3.2	50	0.1	44.1	47.8	1385	6.79	3	0.8	1.1	336	<0.1	0.3	<0.1	279	6.04
2327377	Drill Core	4.66	0.055	0.2	399.4	1.7	38	0.1	37.9	38.6	1272	6.67	2	0.9	1.0	365	<0.1	0.2	<0.1	280	5.74
2327378	Drill Core	4.07	0.013	0.9	77.2	2.3	38	<0.1	11.9	32.4	981	6.97	1	1.2	1.1	359	<0.1	0.4	<0.1	298	3.61
2327379	Drill Core	5.70	0.009	0.8	174.6	2.1	37	<0.1	5.7	32.4	699	6.72	1	1.4	1.4	364	<0.1	0.2	<0.1	288	3.36
2327380	Drill Core	4.42	<0.005	4.5	31.7	2.0	40	<0.1	9.2	37.1	1134	6.92	2	1.1	1.3	349	<0.1	0.3	<0.1	283	4.05

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2327351	Drill Core	0.127	9.0	87	3.27	429	0.622	9.02	3.135	1.09	0.4	57.2	20	0.9	15.4	5.5	0.3	<1	25	10.1	0.2
2327352	Drill Core	0.140	5.2	12	2.31	219	0.375	8.59	4.054	0.70	0.2	47.1	14	0.6	12.8	1.8	<0.1	<1	20	9.1	0.1
2327353	Drill Core	0.144	6.4	14	2.21	249	0.385	8.68	4.082	0.66	0.3	47.9	17	0.6	14.0	1.9	0.1	<1	20	9.8	0.1
2327354	Drill Core	0.134	6.3	13	2.08	187	0.374	8.60	4.071	0.66	0.2	42.9	17	0.8	12.0	1.6	<0.1	<1	20	7.3	0.1
2327355	Drill Core	0.137	7.4	13	2.37	213	0.382	8.53	3.704	0.64	0.2	44.4	18	0.8	12.7	1.5	<0.1	<1	22	7.4	0.1
2327356	Drill Core	0.138	6.5	7	2.26	257	0.372	8.62	3.790	0.61	0.2	43.4	18	1.0	13.3	1.5	<0.1	<1	21	8.4	0.2
2327357	Drill Core	0.137	6.3	7	2.24	165	0.379	8.72	3.606	0.42	0.2	41.7	17	0.9	13.3	1.5	<0.1	<1	21	7.7	0.3
2327358	Drill Core	0.134	6.8	10	2.37	151	0.392	8.62	4.023	0.44	0.2	41.1	17	1.0	12.4	1.5	<0.1	<1	22	10.3	0.1
2327359	Drill Core	0.131	6.3	17	2.50	160	0.385	8.50	3.791	0.46	0.3	42.0	16	1.0	13.6	1.5	<0.1	<1	25	9.7	0.2
2327360	Drill Core	0.136	5.8	20	2.74	161	0.405	8.53	3.842	0.58	0.3	46.8	15	1.1	13.5	1.5	<0.1	<1	26	9.2	0.1
2327361	Drill Core	0.095	5.6	97	3.50	659	0.411	7.66	2.503	1.27	0.6	37.1	13	1.0	13.2	1.0	<0.1	<1	32	11.2	0.7
2327362	Drill Core	0.109	3.7	8	2.20	173	0.383	8.57	4.103	0.65	0.4	49.3	10	0.9	12.2	1.3	<0.1	<1	23	10.6	<0.1
2327363	Drill Core	0.068	4.8	139	3.61	685	0.424	7.43	0.763	3.13	0.3	25.2	13	1.4	15.4	0.9	<0.1	<1	29	15.8	0.9
2327364	Drill Core	0.074	4.3	114	3.45	387	0.381	7.75	0.776	2.90	0.2	22.7	12	1.5	14.4	1.0	<0.1	1	27	14.3	2.0
2327365	Drill Core	0.073	8.0	124	3.39	398	0.415	7.66	0.623	3.53	0.2	25.9	16	1.6	15.7	1.2	<0.1	<1	30	10.3	1.3
2327366	Drill Core	0.074	7.5	106	3.17	1977	0.409	8.21	0.670	3.05	0.3	23.6	15	1.4	13.6	1.1	<0.1	<1	28	9.7	0.3
2327367	Drill Core	0.090	140.1	110	3.84	661	0.415	7.69	1.557	1.22	0.6	20.2	154	1.4	15.0	1.1	<0.1	<1	31	11.9	1.2
2327368	Drill Core	0.084	36.7	77	2.84	369	0.411	7.92	3.039	0.69	0.5	21.1	46	1.3	11.8	1.0	<0.1	<1	28	12.5	1.9
2327369	Drill Core	0.157	8.7	91	3.06	803	0.436	7.98	1.764	1.40	0.6	20.2	16	1.3	12.9	1.0	<0.1	<1	32	12.1	0.8
2327370	Drill Core	0.108	3.8	7	2.05	497	0.361	7.97	3.400	0.84	0.5	43.3	12	1.2	12.8	1.3	<0.1	<1	23	8.9	0.9
2327371	Drill Core	0.119	3.3	4	1.81	191	0.373	8.73	4.406	0.41	0.6	51.6	9	1.1	11.4	1.4	<0.1	1	19	9.9	0.3
2327372	Drill Core	0.113	3.5	6	2.31	522	0.378	8.78	3.877	0.93	0.4	49.7	10	1.0	13.6	1.4	<0.1	<1	24	10.1	0.9
2327373	Drill Core	0.121	5.8	14	2.60	500	0.410	8.72	3.632	0.77	0.4	42.9	15	1.2	13.6	1.5	<0.1	1	26	13.1	0.6
2327374	Drill Core	0.134	8.1	15	2.76	147	0.398	8.94	3.913	0.41	0.3	38.5	22	1.3	13.8	1.5	<0.1	<1	25	11.2	0.2
2327375	Drill Core	0.101	7.3	74	3.39	309	0.511	8.78	3.174	0.89	0.4	24.2	18	1.3	15.3	1.1	<0.1	<1	31	13.7	0.1
2327376	Drill Core	0.079	6.5	97	3.45	305	0.489	8.58	2.857	0.74	0.4	25.3	14	0.9	13.5	1.1	<0.1	<1	32	14.6	0.3
2327377	Drill Core	0.088	6.4	114	4.11	352	0.504	8.28	2.811	0.98	0.3	24.6	14	0.8	13.2	1.0	<0.1	<1	32	13.1	0.2
2327378	Drill Core	0.110	4.3	15	2.72	424	0.420	8.89	3.833	0.97	0.4	43.8	12	1.0	12.1	1.3	<0.1	<1	26	11.5	0.1
2327379	Drill Core	0.128	3.4	4	2.29	344	0.398	9.14	4.545	1.03	0.6	54.9	10	0.8	13.9	1.6	<0.1	<1	23	8.6	0.1
2327380	Drill Core	0.122	3.9	10	2.55	613	0.369	8.73	3.761	1.18	0.6	44.7	11	0.8	13.6	1.3	<0.1	<1	27	10.5	0.2

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2327351	Drill Core	29.2	1.8	0.09	<0.005	<1	<0.5	<0.5	
2327352	Drill Core	13.4	1.5	<0.05	<0.005	<1	<0.5	<0.5	
2327353	Drill Core	16.0	1.6	<0.05	<0.005	<1	<0.5	<0.5	
2327354	Drill Core	17.0	1.4	0.05	0.007	<1	<0.5	<0.5	
2327355	Drill Core	23.0	1.4	<0.05	<0.005	<1	<0.5	<0.5	
2327356	Drill Core	22.1	1.4	<0.05	<0.005	<1	<0.5	<0.5	
2327357	Drill Core	14.3	1.5	0.08	0.009	<1	0.7	<0.5	
2327358	Drill Core	16.1	1.4	0.06	<0.005	<1	<0.5	<0.5	
2327359	Drill Core	17.5	1.4	0.06	<0.005	<1	<0.5	<0.5	
2327360	Drill Core	22.8	1.5	0.06	<0.005	<1	0.5	<0.5	
2327361	Drill Core	30.5	1.2	0.10	0.010	<1	<0.5	<0.5	
2327362	Drill Core	13.2	1.7	0.05	<0.005	<1	<0.5	<0.5	
2327363	Drill Core	80.4	0.9	0.10	0.019	<1	<0.5	0.7	
2327364	Drill Core	72.0	0.8	0.18	0.324	<1	0.7	0.5	
2327365	Drill Core	77.9	1.0	0.17	0.181	<1	<0.5	0.6	
2327366	Drill Core	59.7	1.0	0.20	0.103	<1	0.6	<0.5	
2327367	Drill Core	28.9	0.7	0.22	0.022	<1	<0.5	<0.5	
2327368	Drill Core	17.2	0.7	0.10	0.043	<1	<0.5	<0.5	
2327369	Drill Core	31.6	0.7	0.07	0.015	<1	<0.5	<0.5	
2327370	Drill Core	19.2	1.5	<0.05	0.061	<1	<0.5	<0.5	
2327371	Drill Core	6.2	1.8	<0.05	<0.005	<1	<0.5	<0.5	
2327372	Drill Core	20.5	1.6	<0.05	<0.005	<1	<0.5	<0.5	
2327373	Drill Core	20.7	1.5	0.07	0.016	<1	<0.5	<0.5	
2327374	Drill Core	12.4	1.5	0.05	0.013	<1	<0.5	<0.5	
2327375	Drill Core	26.5	1.0	0.06	0.009	<1	<0.5	<0.5	
2327376	Drill Core	22.7	1.0	0.06	<0.005	<1	0.8	<0.5	
2327377	Drill Core	29.9	1.0	0.09	<0.005	<1	0.5	<0.5	
2327378	Drill Core	19.4	1.5	<0.05	<0.005	<1	<0.5	<0.5	
2327379	Drill Core	19.8	1.9	<0.05	<0.005	<1	<0.5	<0.5	
2327380	Drill Core	23.8	1.7	0.05	0.012	<1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2327381	Drill Core	4.15	0.012	4.9	700.3	5.9	56	0.4	31.4	147.6	1361	7.92	3	1.1	0.8	309	0.1	0.3	<0.1	306	4.05
2327382	Drill Core	4.02	0.009	2.8	571.0	2.9	46	0.3	36.5	106.0	1485	7.70	5	1.0	1.2	303	<0.1	0.5	<0.1	267	5.66
2327383	Drill Core	4.06	0.047	2.6	902.3	4.3	49	0.4	54.6	224.1	1272	9.34	3	1.3	1.1	387	<0.1	0.4	0.1	260	4.56
2327384	Drill Core	4.19	0.010	5.5	734.0	2.5	62	0.3	26.8	84.7	1396	6.98	2	1.4	1.1	343	0.3	0.6	0.3	237	6.06
2327385	Drill Core	3.26	0.006	2.7	325.3	1.9	98	0.2	28.6	67.6	1749	7.64	3	1.1	1.1	308	0.2	1.0	0.2	277	5.80
2327386	Drill Core	3.18	0.013	2.5	345.4	1.4	37	0.2	28.0	66.8	1124	6.28	4	1.0	1.0	496	0.3	0.3	<0.1	247	5.19
2327387	Drill Core	5.12	0.022	1.1	455.0	2.0	42	0.2	31.8	78.6	940	7.40	4	1.0	1.3	491	<0.1	0.4	<0.1	280	5.44
2327388	Drill Core	4.76	0.018	1.9	505.0	3.4	62	0.2	19.3	94.1	932	7.56	7	1.6	1.9	299	0.1	0.3	0.3	369	6.05
2327389	Drill Core	4.54	0.077	12.7	1889.6	35.4	213	0.7	20.8	154.5	1919	8.18	14	1.7	2.1	314	0.5	0.6	0.2	290	4.28
2327390	Drill Core	5.31	0.061	1.6	81.4	5.4	96	0.1	6.6	42.2	3169	7.58	7	2.3	2.1	257	0.1	1.1	0.1	254	3.52
2327391	Drill Core	5.57	0.047	6.9	2423.8	46.0	389	1.5	26.4	369.9	2655	10.36	61	2.3	1.7	385	1.7	3.2	0.2	221	4.96
2327392	Drill Core	6.11	0.006	1.1	233.8	3.9	77	0.2	5.5	56.8	2274	7.00	5	1.7	2.1	287	<0.1	0.7	<0.1	244	3.09
2327393	Drill Core	5.95	0.006	0.5	121.1	1.7	51	<0.1	6.6	24.1	1971	5.87	5	0.8	1.8	445	<0.1	1.1	<0.1	231	4.68
2327394	Drill Core	6.74	0.016	0.3	522.0	3.7	74	0.2	24.4	52.4	1748	6.87	3	1.0	1.6	426	0.3	0.5	<0.1	247	5.07
2327395	Drill Core	5.52	0.054	0.8	2326.1	11.4	70	0.7	76.3	173.8	1229	8.93	9	0.9	1.2	311	0.1	0.5	<0.1	320	5.56
2327396	Drill Core	5.99	0.015	0.6	131.0	7.3	57	<0.1	45.8	53.0	1287	8.02	4	0.8	1.3	230	0.3	0.2	<0.1	298	6.97
2327397	Drill Core	4.03	0.022	0.4	566.0	8.3	54	0.2	43.4	112.4	1329	8.82	7	0.9	1.1	241	<0.1	0.3	<0.1	307	6.30
2327398	Drill Core	7.14	0.008	0.2	429.4	15.7	89	0.3	46.3	73.7	1566	7.23	8	0.7	1.2	297	0.5	0.5	<0.1	262	6.26
2327399	Drill Core	5.72	0.014	0.3	637.1	12.0	142	0.4	50.2	69.3	1569	7.82	7	0.6	1.0	322	0.7	0.4	<0.1	269	6.11
2327400	Drill Core	6.51	0.174	0.8	241.3	6.0	329	0.2	43.1	51.0	1865	7.16	6	0.7	1.0	332	0.9	0.6	<0.1	285	7.96
2327401	Drill Core	7.33	0.030	2.2	456.2	4.2	79	0.1	53.9	65.5	1814	7.82	5	0.9	1.1	334	0.1	0.6	<0.1	308	7.48
2327402	Drill Core	7.57	0.047	1.2	629.4	6.9	51	0.2	67.3	91.6	1230	7.65	7	0.7	1.0	362	<0.1	0.3	<0.1	271	5.78
2327403	Drill Core	7.88	0.007	0.2	86.1	1.9	40	<0.1	50.1	41.9	1138	7.13	3	0.5	0.9	380	<0.1	0.3	<0.1	253	7.42
2327404	Drill Core	7.29	0.014	0.3	383.9	3.0	37	0.1	42.8	48.4	1010	7.36	3	0.7	1.3	400	<0.1	0.3	<0.1	275	6.15
2327405	Drill Core	7.17	0.024	1.8	1316.3	3.7	47	0.5	38.8	47.4	1068	7.42	4	0.9	1.3	453	<0.1	0.7	<0.1	273	6.91
2327406	Drill Core	5.03	0.024	3.7	851.8	5.8	45	0.3	38.9	55.5	993	7.63	6	0.8	0.9	425	<0.1	0.4	<0.1	249	5.52
2327407	Drill Core	5.58	0.032	0.4	3440.2	39.7	178	1.1	62.6	140.1	2207	12.01	6	1.0	0.9	392	0.7	1.7	<0.1	345	6.58
2327408	Drill Core	5.94	0.012	1.5	211.2	11.3	116	0.1	6.0	42.3	1957	7.16	4	1.0	1.6	234	0.4	0.2	<0.1	226	2.68
2327409	Drill Core	5.21	0.073	0.7	1322.3	9.4	87	0.4	39.8	51.8	1364	8.30	5	0.7	0.6	370	0.5	0.3	<0.1	272	5.85
2327410	Drill Core	5.61	0.205	1.6	4633.5	33.0	121	1.4	30.9	91.7	1690	9.88	11	1.1	1.0	466	0.5	1.5	<0.1	287	6.29

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Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2327381	Drill Core	0.082	3.8	24	3.32	427	0.407	9.02	2.644	1.23	0.7	28.7	9	0.7	11.7	0.8	<0.1	<1	29	25.9	1.4
2327382	Drill Core	0.087	6.6	90	3.52	273	0.452	8.39	2.961	0.57	0.5	34.1	12	1.0	11.1	1.2	<0.1	<1	32	19.7	0.8
2327383	Drill Core	0.069	29.7	105	3.61	239	0.459	8.13	3.055	0.63	0.4	25.1	37	1.1	12.3	1.0	<0.1	<1	31	18.9	2.0
2327384	Drill Core	0.075	8.6	99	3.34	465	0.471	8.30	2.842	0.90	0.5	27.7	19	0.9	14.4	1.1	0.3	<1	30	13.0	0.7
2327385	Drill Core	0.063	5.8	97	3.94	169	0.540	7.98	2.974	0.42	0.5	32.7	15	1.5	13.6	1.0	<0.1	<1	35	12.9	0.4
2327386	Drill Core	0.084	7.1	76	3.34	334	0.487	8.91	3.363	0.85	0.5	29.0	17	1.0	14.8	1.2	<0.1	<1	28	16.5	0.5
2327387	Drill Core	0.110	7.7	78	3.32	366	0.479	8.82	3.155	0.80	0.2	29.3	17	1.0	13.8	1.3	0.1	<1	28	17.4	0.8
2327388	Drill Core	0.115	14.1	74	3.82	273	0.472	8.57	2.865	0.64	0.2	32.6	27	1.8	15.2	1.2	0.1	<1	39	19.1	0.9
2327389	Drill Core	0.150	11.1	48	2.88	570	0.476	8.69	2.629	1.80	1.0	39.2	25	1.2	15.4	1.3	<0.1	<1	27	17.4	1.3
2327390	Drill Core	0.181	9.0	4	2.06	996	0.462	9.77	3.305	2.33	2.2	54.1	22	0.8	14.8	1.8	0.1	<1	17	12.9	0.3
2327391	Drill Core	0.151	11.6	24	1.90	81	0.433	9.12	1.726	1.59	1.9	42.3	24	0.9	15.2	1.4	<0.1	<1	19	17.1	3.1
2327392	Drill Core	0.180	7.1	5	1.75	2061	0.456	9.49	2.780	3.76	2.6	55.9	18	0.7	15.5	1.6	0.1	<1	17	9.7	0.3
2327393	Drill Core	0.177	6.6	2	1.62	1198	0.402	8.85	2.957	2.75	2.3	62.6	20	1.1	14.3	1.9	<0.1	<1	17	8.5	<0.1
2327394	Drill Core	0.110	10.1	82	3.03	1089	0.418	8.61	3.036	1.80	1.1	44.6	23	1.0	16.9	1.2	<0.1	<1	26	11.2	0.2
2327395	Drill Core	0.043	6.8	153	4.19	335	0.416	7.63	2.271	0.89	0.3	32.6	17	1.5	13.9	0.9	<0.1	<1	38	14.8	2.1
2327396	Drill Core	0.070	7.5	151	4.40	148	0.433	7.67	2.437	0.56	0.3	29.7	19	1.5	14.5	0.9	<0.1	1	35	12.3	0.3
2327397	Drill Core	0.078	6.9	156	4.18	1201	0.396	7.93	1.460	1.19	0.2	22.0	19	1.8	13.4	1.1	<0.1	<1	34	15.8	0.8
2327398	Drill Core	0.082	8.1	129	4.14	259	0.428	7.94	2.648	0.74	0.3	25.0	18	1.0	13.7	0.9	<0.1	<1	34	12.8	0.4
2327399	Drill Core	0.076	5.6	147	4.26	191	0.435	7.90	2.673	0.64	0.1	24.7	13	0.9	11.9	0.8	<0.1	1	35	16.7	0.3
2327400	Drill Core	0.058	6.9	86	3.43	129	0.476	8.53	1.779	0.41	0.5	24.5	14	1.0	11.0	0.9	<0.1	<1	28	14.5	0.1
2327401	Drill Core	0.058	5.9	107	3.69	276	0.550	8.47	2.288	0.79	0.4	29.8	13	0.8	11.3	0.9	<0.1	<1	28	15.7	0.3
2327402	Drill Core	0.052	5.7	129	3.92	245	0.469	8.12	2.504	0.76	0.4	25.4	12	0.9	11.1	0.9	<0.1	<1	33	15.7	0.7
2327403	Drill Core	0.055	5.4	130	4.22	249	0.483	8.26	1.919	0.78	0.1	24.5	12	0.6	11.6	0.8	<0.1	<1	35	11.6	0.1
2327404	Drill Core	0.060	6.9	109	3.83	306	0.476	8.34	2.678	0.83	0.3	26.8	14	1.0	12.3	1.0	<0.1	<1	29	10.3	0.3
2327405	Drill Core	0.065	7.8	119	3.94	247	0.494	8.56	2.783	0.77	0.3	33.7	18	1.3	13.8	0.9	<0.1	<1	33	10.2	0.3
2327406	Drill Core	0.039	4.4	118	3.82	311	0.440	8.21	2.764	0.92	0.2	28.2	12	1.1	13.2	0.7	<0.1	<1	30	10.7	0.4
2327407	Drill Core	0.050	21.7	104	3.56	353	0.417	7.17	0.914	0.76	1.2	21.1	37	1.6	13.9	0.8	<0.1	<1	24	12.2	0.7
2327408	Drill Core	0.176	4.9	4	1.97	1198	0.405	8.40	3.344	2.55	2.2	49.5	14	0.6	12.4	1.6	<0.1	<1	15	10.7	0.1
2327409	Drill Core	0.079	6.5	135	4.04	448	0.488	8.17	2.503	1.02	0.3	15.8	15	1.2	13.0	1.0	<0.1	<1	33	11.3	0.4
2327410	Drill Core	0.088	10.3	88	3.73	803	0.472	7.93	1.521	1.06	0.2	19.9	21	1.5	13.6	1.0	<0.1	<1	27	14.7	0.9

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Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2327381	Drill Core	36.3	1.1	0.05	0.031	2	<0.5	<0.5	
2327382	Drill Core	14.1	0.9	<0.05	0.018	<1	<0.5	<0.5	
2327383	Drill Core	17.1	1.0	0.07	0.024	2	<0.5	<0.5	
2327384	Drill Core	22.0	1.0	0.32	0.030	1	<0.5	<0.5	
2327385	Drill Core	9.8	1.0	0.18	0.032	<1	<0.5	<0.5	
2327386	Drill Core	24.8	0.9	0.14	0.025	1	<0.5	<0.5	
2327387	Drill Core	25.3	0.9	0.23	0.012	<1	<0.5	<0.5	
2327388	Drill Core	21.2	1.2	0.10	0.019	<1	0.9	<0.5	
2327389	Drill Core	37.7	1.3	0.08	0.076	<1	0.6	<0.5	
2327390	Drill Core	24.2	1.9	0.05	<0.005	<1	<0.5	<0.5	
2327391	Drill Core	31.2	1.5	0.06	0.080	<1	0.9	<0.5	
2327392	Drill Core	49.5	1.8	<0.05	<0.005	<1	<0.5	<0.5	
2327393	Drill Core	27.4	1.9	0.08	<0.005	<1	<0.5	<0.5	
2327394	Drill Core	32.8	1.6	0.05	<0.005	1	<0.5	<0.5	
2327395	Drill Core	26.6	1.2	0.13	0.017	<1	<0.5	<0.5	
2327396	Drill Core	16.8	1.0	0.08	0.010	<1	<0.5	<0.5	
2327397	Drill Core	30.9	0.8	0.12	0.006	<1	<0.5	<0.5	
2327398	Drill Core	21.8	1.1	0.08	0.016	<1	<0.5	<0.5	
2327399	Drill Core	20.6	0.8	0.11	0.030	<1	<0.5	<0.5	
2327400	Drill Core	13.1	0.8	0.17	0.021	<1	<0.5	<0.5	
2327401	Drill Core	24.9	0.9	0.11	0.019	1	<0.5	<0.5	
2327402	Drill Core	24.3	0.7	0.11	0.023	<1	<0.5	<0.5	
2327403	Drill Core	24.9	1.0	0.12	<0.005	<1	<0.5	<0.5	
2327404	Drill Core	22.5	1.0	0.08	0.007	<1	0.5	<0.5	
2327405	Drill Core	20.5	1.0	0.12	0.013	<1	<0.5	<0.5	
2327406	Drill Core	26.8	0.9	0.05	0.034	<1	<0.5	<0.5	
2327407	Drill Core	15.9	0.8	0.11	0.010	1	<0.5	<0.5	
2327408	Drill Core	21.8	1.5	0.06	<0.005	<1	<0.5	<0.5	
2327409	Drill Core	26.7	0.7	0.07	0.029	<1	<0.5	<0.5	
2327410	Drill Core	24.5	0.8	0.11	0.077	<1	<0.5	<0.5	

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2327411	Drill Core	5.39	0.324	0.9	8376.2	28.1	136	3.9	65.7	238.9	1573	10.29	22	0.9	1.1	260	0.9	1.2	0.2	290	5.87
2327412	Drill Core	6.02	0.370	2.1	>10000	17.2	131	4.5	90.8	360.5	1613	13.29	23	1.0	1.2	392	0.2	1.7	0.4	385	4.87
2327413	Drill Core	4.84	0.007	0.9	474.5	5.8	78	0.2	52.0	76.0	1730	8.02	8	0.8	0.8	374	0.4	0.9	<0.1	249	6.51
2327414	Drill Core	5.05	0.027	1.0	761.6	8.1	62	0.3	75.4	175.9	1404	10.05	14	0.8	0.9	185	<0.1	0.4	<0.1	315	6.89
2327415	Drill Core	4.85	0.010	0.5	226.9	3.5	41	<0.1	51.1	84.2	1238	8.33	5	0.8	1.0	289	<0.1	0.5	<0.1	281	6.14
2327416	Drill Core	5.56	0.006	0.9	107.3	1.9	41	<0.1	53.4	52.0	1267	7.40	5	0.5	0.8	367	<0.1	0.2	<0.1	260	6.75
2327417	Drill Core	6.00	0.016	0.2	347.2	4.9	46	0.1	54.3	75.7	1514	8.07	10	0.4	0.8	374	<0.1	0.6	<0.1	267	7.08
2327418	Drill Core	5.25	0.016	0.4	3989.4	43.4	187	1.8	72.8	165.3	2716	11.23	18	0.7	0.9	495	0.5	2.5	<0.1	269	6.67
2327419	Drill Core	4.47	0.007	0.6	240.0	3.7	50	<0.1	47.0	63.0	2094	9.25	10	0.7	0.8	324	<0.1	1.2	0.2	274	6.23
2327420	Drill Core	3.51	0.020	1.0	2000.3	6.3	73	0.8	46.5	126.4	1761	10.43	19	1.2	1.0	336	0.1	1.3	0.2	309	5.28
2327421	Drill Core	5.49	0.018	0.8	472.1	3.6	44	0.2	37.2	122.2	1119	7.72	5	1.0	0.9	398	<0.1	0.3	0.1	254	5.93
2327422	Drill Core	4.95	0.036	0.1	3736.5	15.3	294	1.1	42.8	154.3	1815	8.23	20	1.3	1.3	390	1.0	1.6	0.1	255	4.82
2327423	Drill Core	3.62	0.043	2.5	7109.0	65.0	253	3.8	90.6	510.2	2539	13.16	47	0.7	0.5	301	1.1	2.2	0.5	209	5.04
2327424	Drill Core	7.10	0.031	0.8	>10000	74.6	246	4.4	60.2	266.3	2742	11.54	33	0.8	0.7	215	1.3	0.9	0.2	293	4.84
2327425	Drill Core	5.85	0.005	0.6	198.5	2.3	64	<0.1	3.9	29.2	1701	5.62	7	0.8	2.1	317	0.1	1.1	<0.1	203	3.90
2327426	Drill Core	5.74	0.005	1.2	141.7	1.5	65	<0.1	6.0	25.6	1550	5.49	5	0.9	2.0	404	0.1	1.0	<0.1	204	5.00
2327427	Drill Core	5.76	0.006	1.2	139.1	2.0	71	<0.1	6.1	28.2	1624	5.81	7	1.2	2.4	383	<0.1	1.1	<0.1	189	5.01
2327428	Drill Core	4.30	0.013	0.2	305.9	2.1	44	<0.1	37.2	75.4	1328	8.08	6	1.0	1.0	356	<0.1	0.2	<0.1	284	8.04
2327429	Drill Core	4.56	0.007	0.7	135.6	2.6	61	<0.1	38.9	52.9	1057	7.12	5	0.7	1.0	409	0.2	0.2	<0.1	263	6.34
2327430	Drill Core	7.68	0.019	0.6	322.8	2.1	61	<0.1	53.0	62.5	1187	7.50	7	0.6	0.8	417	0.1	0.5	<0.1	254	5.65
2327431	Drill Core	5.46	0.026	1.8	559.8	3.5	142	0.1	46.9	63.4	1739	8.62	14	0.8	0.7	245	0.2	0.4	<0.1	248	8.46
2327432	Drill Core	6.00	0.054	2.8	906.3	3.4	77	0.3	48.6	67.6	1318	6.81	5	0.8	1.1	424	0.1	0.2	<0.1	262	6.20
2327433	Drill Core	6.57	0.092	1.4	1168.4	3.0	64	0.2	36.5	82.5	1330	8.71	6	0.8	1.2	363	<0.1	0.4	<0.1	279	5.96
2327434	Drill Core	4.51	0.037	0.4	1173.9	3.0	90	0.2	53.9	148.5	1551	9.03	8	0.6	1.0	342	0.3	0.3	<0.1	269	6.11
2327435	Drill Core	6.76	0.025	0.2	606.9	3.1	48	0.1	50.7	136.5	1287	7.64	8	0.6	1.0	366	<0.1	0.5	<0.1	297	6.98
2327436	Drill Core	5.64	0.041	0.2	1295.2	2.4	90	0.2	44.7	59.5	1478	7.84	6	0.5	1.0	394	0.2	0.2	<0.1	322	5.91
2327437	Drill Core	8.25	0.180	0.2	613.9	2.3	40	0.1	58.7	43.6	1459	7.47	5	0.3	1.0	545	<0.1	1.1	<0.1	309	7.77
2327438	Drill Core	4.88	0.042	0.2	581.9	1.8	52	0.1	48.5	38.7	1511	7.03	5	0.5	1.2	401	<0.1	0.5	<0.1	291	7.27
2327439	Drill Core	9.87	0.064	0.1	839.7	1.8	75	0.2	61.7	62.4	1594	8.49	5	0.6	1.5	380	<0.1	0.3	<0.1	353	6.42
2327440	Drill Core	6.36	0.036	0.2	429.1	1.5	45	<0.1	23.2	38.6	952	6.19	4	1.2	1.3	321	<0.1	0.3	<0.1	273	5.09

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2327411	Drill Core		0.052	113.2	103	4.04	185	0.443	7.19	1.782	0.56	0.4	26.7	123	1.8	13.8	0.8	<0.1	<1	31	14.9	2.4
2327412	Drill Core		0.071	32.8	116	3.23	180	0.461	7.79	1.386	0.81	1.4	21.4	44	1.7	11.9	0.7	<0.1	<1	25	16.4	3.7
2327413	Drill Core		0.074	6.1	136	3.85	734	0.439	7.47	1.736	1.11	0.4	18.1	14	1.2	11.8	0.8	<0.1	1	29	11.8	0.4
2327414	Drill Core		0.066	4.4	129	3.95	338	0.499	7.22	1.531	0.72	0.3	20.8	12	1.0	12.4	0.6	<0.1	<1	31	15.9	1.4
2327415	Drill Core		0.046	7.7	135	3.56	160	0.478	7.61	2.531	0.55	0.2	30.7	15	1.4	12.8	0.8	<0.1	<1	31	9.9	0.6
2327416	Drill Core		0.086	4.4	172	4.44	234	0.434	7.89	1.987	0.75	0.1	26.2	11	0.7	12.2	0.8	<0.1	<1	35	12.3	0.2
2327417	Drill Core		0.062	4.9	113	4.03	231	0.439	8.05	1.964	0.78	0.1	22.5	12	0.8	12.3	0.7	<0.1	<1	34	11.0	0.5
2327418	Drill Core		0.063	6.9	185	4.08	184	0.481	8.08	1.482	0.45	0.6	22.3	12	1.3	11.2	0.9	<0.1	<1	33	13.9	1.2
2327419	Drill Core		0.078	4.5	168	4.38	248	0.485	7.27	1.779	0.67	0.5	19.0	12	1.1	12.8	1.1	0.2	<1	38	12.6	0.4
2327420	Drill Core		0.076	4.1	123	3.91	1121	0.485	7.41	1.207	1.77	0.2	16.0	12	1.9	12.7	0.9	<0.1	<1	31	16.7	0.9
2327421	Drill Core		0.093	5.0	85	3.44	284	0.500	8.52	2.902	0.78	0.2	20.4	13	1.4	12.3	0.7	<0.1	1	28	14.2	0.9
2327422	Drill Core		0.087	5.4	35	2.48	704	0.491	8.18	1.267	3.89	0.1	19.3	15	1.5	13.3	1.0	<0.1	<1	22	15.8	1.2
2327423	Drill Core		0.030	2.4	49	3.00	184	0.317	6.76	0.331	1.55	0.2	10.8	8	1.7	8.7	0.4	<0.1	<1	16	15.3	5.0
2327424	Drill Core		0.158	6.4	79	3.99	618	0.429	7.07	0.502	2.33	0.1	11.1	15	1.6	12.4	0.6	<0.1	<1	32	18.3	1.5
2327425	Drill Core		0.178	7.4	2	1.71	1067	0.398	8.40	3.384	2.84	1.4	57.8	18	0.7	13.1	2.1	0.1	<1	14	9.0	0.2
2327426	Drill Core		0.166	9.9	2	2.14	1027	0.365	8.43	3.018	2.65	1.3	48.4	22	1.3	14.5	1.4	<0.1	<1	15	8.5	<0.1
2327427	Drill Core		0.183	10.0	1	1.86	828	0.395	9.08	3.934	1.93	1.5	58.2	24	0.6	15.3	1.7	<0.1	1	14	7.1	<0.1
2327428	Drill Core		0.071	6.2	105	4.15	284	0.469	8.20	1.992	0.69	0.3	19.5	14	1.1	13.1	1.0	<0.1	<1	31	8.8	0.3
2327429	Drill Core		0.070	4.7	122	3.49	484	0.473	7.92	2.453	1.07	0.1	22.0	12	1.3	11.3	0.8	<0.1	<1	32	8.6	0.3
2327430	Drill Core		0.051	4.2	107	3.46	305	0.452	8.22	2.914	0.81	0.2	17.7	10	1.1	10.1	0.7	<0.1	<1	28	10.3	0.5
2327431	Drill Core		0.060	4.4	71	4.09	189	0.389	6.03	1.487	0.46	0.4	13.7	10	0.9	11.3	0.7	<0.1	<1	25	7.0	0.4
2327432	Drill Core		0.095	5.7	101	3.69	447	0.486	8.36	2.865	1.10	0.4	26.0	14	1.1	13.1	1.2	<0.1	<1	33	10.4	0.6
2327433	Drill Core		0.111	6.6	100	3.55	307	0.470	8.48	2.956	0.77	0.3	23.3	16	0.9	12.9	1.1	<0.1	<1	30	12.0	0.7
2327434	Drill Core		0.084	4.4	165	4.46	814	0.429	7.63	1.572	1.39	0.3	31.0	11	1.0	10.7	0.8	<0.1	<1	37	12.4	1.4
2327435	Drill Core		0.071	4.3	136	4.32	318	0.450	7.85	1.912	0.77	0.2	19.8	9	0.7	10.0	0.7	<0.1	1	37	12.0	1.3
2327436	Drill Core		0.080	5.5	141	4.34	546	0.453	8.26	2.564	1.06	0.2	20.1	11	0.9	10.1	0.8	<0.1	<1	37	12.9	0.4
2327437	Drill Core		0.060	3.9	143	4.50	305	0.444	8.46	1.924	0.73	0.1	22.5	9	0.5	10.1	0.7	<0.1	<1	39	9.9	0.2
2327438	Drill Core		0.072	4.4	133	4.81	526	0.476	8.08	1.854	1.09	0.1	22.0	10	0.9	10.4	0.8	<0.1	<1	37	12.6	0.2
2327439	Drill Core		0.044	4.3	136	4.72	303	0.578	7.49	2.358	0.75	0.1	34.4	10	1.1	11.6	1.0	<0.1	<1	36	14.4	0.3
2327440	Drill Core		0.099	4.7	57	3.08	198	0.428	8.41	3.950	0.52	0.2	35.2	12	1.0	11.9	1.3	<0.1	<1	28	12.4	0.2

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2327411	Drill Core	15.5	1.0	0.12	0.025	2	<0.5	<0.5	
2327412	Drill Core	21.7	0.8	0.17	0.050	3	<0.5	<0.5	1.06
2327413	Drill Core	26.7	0.7	0.09	0.048	<1	<0.5	<0.5	
2327414	Drill Core	17.8	0.8	<0.05	0.126	<1	<0.5	<0.5	
2327415	Drill Core	17.3	1.1	0.13	0.023	<1	<0.5	<0.5	
2327416	Drill Core	22.4	0.9	0.12	<0.005	<1	<0.5	<0.5	
2327417	Drill Core	22.8	0.8	0.10	0.023	<1	<0.5	<0.5	
2327418	Drill Core	12.4	0.8	0.12	<0.005	<1	<0.5	<0.5	
2327419	Drill Core	16.0	0.8	0.16	0.034	<1	<0.5	<0.5	
2327420	Drill Core	39.9	0.6	0.09	0.030	<1	<0.5	<0.5	
2327421	Drill Core	22.0	0.9	0.08	0.111	<1	<0.5	<0.5	
2327422	Drill Core	57.4	0.7	0.17	0.016	<1	<0.5	<0.5	
2327423	Drill Core	34.6	0.4	<0.05	0.043	4	<0.5	<0.5	
2327424	Drill Core	40.7	0.4	0.09	0.022	<1	<0.5	<0.5	1.04
2327425	Drill Core	29.4	1.9	0.07	<0.005	<1	<0.5	<0.5	
2327426	Drill Core	37.1	1.5	<0.05	<0.005	<1	<0.5	<0.5	
2327427	Drill Core	29.7	1.8	<0.05	<0.005	<1	<0.5	<0.5	
2327428	Drill Core	19.7	0.6	0.09	<0.005	<1	<0.5	<0.5	
2327429	Drill Core	28.4	0.8	0.09	0.011	<1	<0.5	<0.5	
2327430	Drill Core	21.4	0.5	0.06	0.012	<1	<0.5	<0.5	
2327431	Drill Core	13.2	0.4	<0.05	0.023	<1	<0.5	<0.5	
2327432	Drill Core	27.1	1.0	0.09	0.045	<1	<0.5	<0.5	
2327433	Drill Core	20.2	0.9	<0.05	0.029	<1	<0.5	<0.5	
2327434	Drill Core	32.3	0.7	0.08	0.030	<1	<0.5	<0.5	
2327435	Drill Core	20.4	0.8	<0.05	0.018	<1	<0.5	<0.5	
2327436	Drill Core	26.8	0.7	0.07	0.042	<1	<0.5	<0.5	
2327437	Drill Core	16.9	0.7	0.08	0.009	<1	<0.5	<0.5	
2327438	Drill Core	24.7	0.8	0.12	0.010	<1	<0.5	<0.5	
2327439	Drill Core	19.0	1.0	0.14	0.009	<1	<0.5	<0.5	
2327440	Drill Core	13.9	1.2	<0.05	0.031	<1	<0.5	<0.5	

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Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2327441	Drill Core	6.94	0.048	<0.1	661.7	2.3	41	0.2	9.1	31.5	767	6.07	5	1.6	1.5	362	<0.1	0.4	<0.1	274	4.69
2327442	Drill Core	6.36	0.013	0.6	285.5	1.3	51	<0.1	33.2	32.2	987	6.20	4	1.0	1.3	363	<0.1	0.3	<0.1	265	5.47
2327443	Drill Core	7.45	0.045	0.4	406.3	1.6	47	<0.1	57.2	65.1	1204	7.09	6	0.6	0.9	355	<0.1	0.6	<0.1	286	6.82
2327444	Drill Core	6.24	0.056	<0.1	249.5	1.1	39	<0.1	61.1	52.5	1197	6.89	3	0.5	1.0	411	<0.1	0.6	<0.1	304	7.07
2327445	Drill Core	6.16	0.017	0.5	235.7	1.3	39	<0.1	47.8	41.1	1378	6.23	4	0.5	1.1	300	<0.1	0.3	<0.1	264	7.23
2327446	Drill Core	5.24	0.014	0.2	735.0	8.8	62	0.3	76.4	44.4	1271	6.77	4	0.8	1.3	562	<0.1	0.3	<0.1	267	7.50
2327447	Drill Core	7.46	0.020	0.2	176.1	1.1	48	<0.1	71.1	41.9	1364	7.14	4	0.5	1.1	325	<0.1	0.1	<0.1	303	6.81
2327448	Drill Core	7.35	0.016	0.4	197.9	1.5	47	<0.1	87.1	45.7	1459	7.23	5	0.5	1.0	466	<0.1	0.6	<0.1	303	7.40
2327449	Drill Core	5.64	0.111	0.2	346.6	1.1	40	0.1	51.3	61.4	1235	7.29	10	0.7	1.2	404	<0.1	0.7	<0.1	279	6.43
2327450	Drill Core	5.74	0.050	0.4	692.0	1.4	25	0.1	7.3	75.0	984	5.89	8	1.4	1.5	362	<0.1	0.4	<0.1	247	3.57
2327451	Drill Core	7.31	0.214	0.2	2185.3	1.4	37	0.3	44.1	264.0	1483	9.04	8	0.6	1.0	335	<0.1	0.4	<0.1	254	7.41
2327452	Drill Core	8.22	0.059	<0.1	590.3	0.8	35	<0.1	59.1	44.5	1085	7.54	3	0.5	0.8	349	<0.1	0.2	<0.1	297	7.31
2327453	Drill Core	8.19	0.126	0.6	1689.7	1.0	34	0.2	51.9	77.1	1089	7.70	4	0.7	0.9	306	<0.1	0.1	<0.1	262	6.98
2327454	Drill Core	6.14	0.077	0.2	1197.0	2.3	30	0.1	13.8	57.7	953	5.62	4	2.0	1.6	325	0.2	0.5	<0.1	202	5.18
2327455	Drill Core	6.70	0.031	0.2	461.0	1.7	42	<0.1	61.4	63.4	1049	7.72	3	0.5	0.9	370	<0.1	0.3	<0.1	304	6.57
2327456	Drill Core	8.04	0.021	0.2	232.8	1.4	48	<0.1	46.3	44.1	1098	6.52	2	0.5	1.0	384	<0.1	0.2	<0.1	268	6.60
2327457	Drill Core	4.26	0.220	0.3	2264.9	2.1	44	0.2	55.9	176.2	1180	7.97	9	0.7	0.9	499	<0.1	1.2	<0.1	251	6.96
2327458	Drill Core	4.68	0.046	0.4	660.8	1.3	48	<0.1	40.7	48.6	1144	6.96	3	0.6	0.9	286	<0.1	0.4	<0.1	274	6.13
2327459	Drill Core	3.73	0.214	0.2	1071.0	2.2	40	0.1	54.4	155.8	1650	7.86	9	1.2	1.0	486	<0.1	2.0	<0.1	254	9.90
2327460	Drill Core	7.28	0.027	0.4	328.4	1.1	34	<0.1	42.6	45.4	942	6.59	4	0.8	1.1	380	<0.1	0.3	<0.1	237	6.44
2327461	Drill Core	5.12	0.136	1.2	1432.6	1.4	29	0.1	47.5	78.7	923	7.05	8	1.6	1.5	407	<0.1	0.3	<0.1	207	6.14
2327462	Drill Core	6.27	0.448	4.4	3814.0	2.3	35	0.3	60.6	123.7	1174	9.66	9	0.9	1.0	389	<0.1	1.1	<0.1	243	5.18
2327463	Drill Core	5.26	0.742	0.7	4049.5	6.0	55	0.5	63.9	123.2	1769	10.36	5	0.8	1.0	505	0.2	2.4	<0.1	266	6.17
2327464	Drill Core	6.09	0.282	0.3	2505.3	4.0	47	0.4	40.2	45.0	1155	7.35	4	0.8	1.2	318	<0.1	1.2	<0.1	264	5.89
2327465	Drill Core	5.37	0.188	0.3	1298.6	1.2	38	0.1	33.8	36.2	1278	5.96	3	0.8	0.8	388	<0.1	0.9	<0.1	150	5.01
2327466	Drill Core	5.17	0.227	0.2	1149.6	1.4	34	0.1	39.9	44.7	1160	6.49	3	0.8	0.7	426	<0.1	1.0	<0.1	188	6.01
2327467	Drill Core	7.16	0.623	0.6	1203.0	1.2	46	0.1	60.1	35.4	1637	7.81	2	0.5	0.7	479	<0.1	1.6	<0.1	233	5.68
2327468	Drill Core	6.42	0.916	0.6	2224.3	2.0	41	0.3	54.6	87.2	1494	7.27	5	0.9	0.9	578	<0.1	2.1	<0.1	212	5.73
2327469	Drill Core	6.18	0.221	0.5	1232.4	0.9	45	0.1	72.6	37.4	1822	7.83	3	0.7	0.9	440	<0.1	1.3	<0.1	297	6.72
2327470	Drill Core	6.19	0.083	0.2	1329.8	1.4	38	0.1	55.9	57.9	1526	6.54	3	0.8	1.1	465	<0.1	1.7	<0.1	195	6.13

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2327441	Drill Core	0.113	5.6	4	2.10	242	0.414	8.52	4.623	0.57	0.1	38.3	15	1.4	13.2	1.3	<0.1	1	24	10.7	0.3
2327442	Drill Core	0.090	4.6	82	3.27	264	0.421	8.40	4.169	0.59	0.2	32.2	12	1.0	11.9	1.0	<0.1	1	30	15.3	0.1
2327443	Drill Core	0.078	10.7	142	3.96	254	0.450	7.68	2.381	0.64	0.2	20.4	17	1.0	11.1	0.7	<0.1	<1	35	13.5	0.5
2327444	Drill Core	0.084	4.5	135	4.17	247	0.493	7.79	2.443	0.79	0.3	18.7	9	0.7	10.7	0.8	<0.1	<1	36	11.9	0.2
2327445	Drill Core	0.059	4.2	108	3.69	142	0.442	7.53	2.904	0.46	0.3	22.4	9	0.7	10.3	0.8	<0.1	<1	32	16.5	0.3
2327446	Drill Core	0.211	9.2	263	5.45	1422	0.647	6.56	1.009	1.98	0.3	39.7	18	0.9	12.1	3.7	0.2	1	36	15.6	0.1
2327447	Drill Core	0.074	4.5	150	4.84	353	0.472	7.96	2.476	1.10	0.1	24.4	9	0.2	10.1	0.7	<0.1	<1	39	14.7	0.1
2327448	Drill Core	0.072	5.4	147	4.93	374	0.479	8.73	2.818	1.04	0.2	26.3	11	0.4	11.2	0.7	<0.1	<1	40	15.5	0.1
2327449	Drill Core	0.082	5.5	120	4.15	267	0.443	8.02	2.872	0.79	0.2	24.0	12	0.8	12.1	0.9	<0.1	<1	35	12.9	0.4
2327450	Drill Core	0.151	3.5	2	2.03	29	0.464	8.39	4.971	0.04	0.2	38.8	10	1.0	10.3	1.7	<0.1	<1	17	15.1	0.5
2327451	Drill Core	0.064	4.0	149	4.34	301	0.409	7.26	1.870	0.75	8.1	23.4	9	1.5	10.4	0.6	<0.1	<1	34	12.3	0.9
2327452	Drill Core	0.074	4.7	153	4.39	272	0.432	7.76	2.345	0.82	0.3	22.5	10	0.8	9.9	0.7	<0.1	<1	39	14.1	0.2
2327453	Drill Core	0.046	4.2	154	4.01	295	0.453	7.92	2.420	0.74	0.2	22.5	11	1.2	10.6	0.8	<0.1	<1	34	15.5	0.6
2327454	Drill Core	0.135	4.8	12	2.28	63	0.469	8.83	4.265	0.14	0.3	43.7	14	1.3	13.0	1.6	0.1	<1	20	14.8	0.4
2327455	Drill Core	0.074	5.9	101	3.46	250	0.484	7.90	2.447	0.80	0.2	25.2	14	0.8	13.0	1.0	<0.1	<1	30	11.7	0.5
2327456	Drill Core	0.092	5.8	103	3.38	231	0.490	8.55	2.940	0.82	0.2	25.8	14	0.7	12.9	1.1	<0.1	<1	30	13.3	0.2
2327457	Drill Core	0.087	7.8	70	2.84	172	0.472	8.35	2.519	0.65	0.4	27.3	16	0.8	14.0	1.0	<0.1	<1	28	11.8	1.2
2327458	Drill Core	0.092	5.5	82	2.96	164	0.497	8.88	3.002	0.69	0.3	25.2	14	1.2	13.1	1.1	<0.1	<1	28	15.3	0.2
2327459	Drill Core	0.078	7.7	95	2.71	148	0.447	7.60	2.026	0.51	0.5	21.3	16	1.6	13.6	0.9	<0.1	<1	25	10.1	1.0
2327460	Drill Core	0.062	5.1	117	3.29	313	0.439	8.23	2.845	0.97	0.2	25.0	13	0.9	12.8	1.0	<0.1	<1	32	10.9	0.3
2327461	Drill Core	0.092	5.8	68	2.61	183	0.425	8.25	3.243	0.59	0.4	30.6	14	1.2	14.2	1.4	<0.1	<1	24	12.7	0.8
2327462	Drill Core	0.085	7.2	106	2.78	703	0.437	7.61	2.553	1.18	1.3	24.7	15	1.7	13.1	0.9	<0.1	<1	25	14.1	1.2
2327463	Drill Core	0.081	8.1	99	3.00	429	0.445	7.48	2.230	0.80	1.1	21.5	16	1.4	12.7	1.0	<0.1	<1	27	15.1	1.2
2327464	Drill Core	0.110	6.6	53	3.39	181	0.434	8.73	3.023	0.51	0.9	22.4	15	1.5	13.6	1.0	<0.1	<1	26	22.2	0.5
2327465	Drill Core	0.017	3.3	96	3.14	228	0.436	8.87	3.438	0.67	1.6	17.9	8	1.6	9.2	1.0	<0.1	<1	29	17.2	0.4
2327466	Drill Core	0.053	3.2	112	3.79	191	0.475	8.26	2.746	0.63	1.2	19.6	9	1.3	11.5	0.9	<0.1	<1	33	15.9	0.3
2327467	Drill Core	0.061	3.8	201	4.35	331	0.479	7.72	2.566	0.75	3.7	21.0	10	1.0	12.1	0.9	<0.1	<1	41	15.2	0.2
2327468	Drill Core	0.080	4.4	88	3.24	187	0.420	8.50	3.162	0.48	2.1	19.7	10	1.3	12.9	0.9	<0.1	<1	26	15.1	0.7
2327469	Drill Core	0.144	4.9	124	3.77	174	0.568	7.67	2.564	0.48	1.2	18.2	12	1.1	13.8	1.3	<0.1	<1	30	15.1	0.3
2327470	Drill Core	0.045	5.0	175	2.93	108	0.705	8.53	3.158	0.39	0.9	23.6	12	0.8	12.1	1.7	0.1	<1	33	13.5	0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2327441	Drill Core	15.6	1.4	<0.05	0.094	<1	<0.5	<0.5	
2327442	Drill Core	17.2	1.0	<0.05	0.007	<1	<0.5	<0.5	
2327443	Drill Core	17.7	0.6	0.05	0.013	<1	<0.5	<0.5	
2327444	Drill Core	21.2	0.6	<0.05	0.007	<1	<0.5	<0.5	
2327445	Drill Core	13.1	0.8	<0.05	0.023	<1	<0.5	<0.5	
2327446	Drill Core	37.8	1.3	<0.05	0.007	<1	<0.5	<0.5	
2327447	Drill Core	31.8	0.8	0.07	<0.005	<1	<0.5	<0.5	
2327448	Drill Core	29.7	1.0	0.08	0.014	<1	<0.5	<0.5	
2327449	Drill Core	22.1	1.0	<0.05	0.020	<1	<0.5	<0.5	
2327450	Drill Core	0.2	1.4	<0.05	<0.005	<1	<0.5	<0.5	
2327451	Drill Core	17.9	0.8	<0.05	0.049	1	<0.5	<0.5	
2327452	Drill Core	21.2	0.7	<0.05	0.010	<1	<0.5	<0.5	
2327453	Drill Core	21.8	0.9	0.06	0.022	<1	<0.5	<0.5	
2327454	Drill Core	4.3	1.6	<0.05	<0.005	<1	0.5	<0.5	
2327455	Drill Core	23.8	0.9	0.09	0.017	<1	0.7	<0.5	
2327456	Drill Core	26.7	0.9	0.09	<0.005	<1	<0.5	<0.5	
2327457	Drill Core	20.6	0.9	0.11	0.032	<1	<0.5	<0.5	
2327458	Drill Core	22.0	1.0	0.08	0.012	<1	0.6	<0.5	
2327459	Drill Core	13.3	0.8	<0.05	0.021	<1	0.7	<0.5	
2327460	Drill Core	30.1	0.9	<0.05	0.008	<1	0.6	<0.5	
2327461	Drill Core	19.3	1.0	0.06	0.025	1	0.5	<0.5	
2327462	Drill Core	31.2	1.0	0.08	0.083	2	<0.5	<0.5	
2327463	Drill Core	17.9	0.8	0.09	0.046	1	<0.5	<0.5	
2327464	Drill Core	12.4	0.9	0.05	<0.005	1	<0.5	<0.5	
2327465	Drill Core	17.2	0.7	<0.05	<0.005	<1	0.5	<0.5	
2327466	Drill Core	20.4	0.8	0.08	<0.005	<1	<0.5	<0.5	
2327467	Drill Core	20.3	0.8	0.11	0.007	<1	0.8	<0.5	
2327468	Drill Core	14.2	0.8	0.16	<0.005	<1	<0.5	<0.5	
2327469	Drill Core	13.5	0.6	0.09	<0.005	<1	0.7	<0.5	
2327470	Drill Core	11.7	0.8	0.05	<0.005	<1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2327471	Drill Core	4.58	0.449	0.6	2130.6	1.4	35	0.2	66.2	97.9	1409	8.74	3	0.7	0.5	631	<0.1	2.1	<0.1	261	5.84
2327472	Drill Core	5.87	0.150	0.9	761.5	1.6	51	<0.1	87.5	98.3	1920	9.03	4	0.5	0.6	529	<0.1	2.4	<0.1	276	6.04
2327473	Drill Core	5.97	1.535	0.3	3371.6	2.6	34	0.4	91.2	190.7	1913	11.56	12	0.9	0.6	1005	<0.1	5.0	<0.1	338	9.47
2327474	Drill Core	6.16	0.339	<0.1	4721.3	1.3	56	0.4	75.5	89.0	2048	13.16	3	1.0	0.5	402	<0.1	2.7	<0.1	395	8.40
2327475	Drill Core	5.50	0.319	0.5	3292.8	1.1	45	0.2	51.9	62.0	1378	9.90	2	0.8	0.5	425	<0.1	1.0	<0.1	317	6.33
2327476	Drill Core	4.87	0.333	1.6	5100.2	1.2	39	0.4	57.4	100.2	1391	10.86	2	1.3	0.5	453	<0.1	1.9	<0.1	349	7.47
2327477	Drill Core	5.70	0.165	0.4	3718.1	1.2	50	0.2	80.9	160.9	1819	11.54	1	1.0	0.4	394	<0.1	2.1	<0.1	359	8.09
2327478	Drill Core	5.46	0.201	0.2	1908.0	1.2	48	0.2	67.0	128.2	1719	11.64	2	0.9	0.4	462	<0.1	2.2	<0.1	387	7.51
2327479	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
2620951 DUP of 2327400	Drill Core		0.135	0.9	245.3	5.9	285	0.2	48.1	55.9	1931	7.59	3	0.7	0.9	311	0.9	0.8	<0.1	297	8.48
2620952 DUP of 2327450	Drill Core		0.038	0.7	711.2	1.5	27	0.1	7.1	75.5	973	6.05	5	2.2	1.6	334	<0.1	0.5	<0.1	243	3.56

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2327471	Drill Core	0.059	14.0	185	3.15	215	0.433	8.00	2.379	0.56	0.7	15.7	21	0.9	10.0	0.7	<0.1	<1	29	12.6	1.0
2327472	Drill Core	0.067	3.9	184	4.06	208	0.471	7.71	2.401	0.50	1.2	15.9	9	0.7	11.3	0.6	<0.1	<1	37	14.2	1.1
2327473	Drill Core	0.090	5.3	163	3.39	29	0.379	6.86	1.096	0.12	0.6	14.0	11	1.1	11.9	0.7	<0.1	<1	32	5.1	1.7
2327474	Drill Core	0.041	7.4	165	4.67	125	0.488	5.68	0.867	0.30	1.1	13.4	13	1.2	11.9	0.5	<0.1	<1	52	11.7	0.9
2327475	Drill Core	0.042	3.8	115	3.58	395	0.434	7.82	1.631	0.92	3.2	13.1	8	1.0	8.9	0.5	<0.1	<1	35	18.1	0.6
2327476	Drill Core	0.037	5.1	137	3.56	121	0.454	6.39	1.483	0.37	5.7	15.3	10	1.4	10.9	0.6	<0.1	<1	41	8.8	1.1
2327477	Drill Core	0.041	3.3	179	4.92	100	0.445	5.43	0.895	0.29	0.8	13.0	8	1.4	10.7	0.6	<0.1	<1	48	10.3	1.2
2327478	Drill Core	0.043	4.2	129	4.55	266	0.462	6.71	1.158	0.57	0.9	12.8	9	1.0	10.6	0.5	<0.1	<1	45	13.3	0.9
2327479	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
2620951 DUP of 2327400	Drill Core	0.064	7.3	91	3.40	128	0.498	8.34	1.870	0.42	0.6	25.2	15	0.9	12.4	0.9	<0.1	<1	30	15.4	0.1
2620952 DUP of 2327450	Drill Core	0.145	4.4	2	2.00	27	0.460	8.58	4.935	0.04	0.2	42.6	13	1.2	12.8	1.8	<0.1	<1	19	13.8	0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

CERTIFICATE OF ANALYSIS SMI14000331.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2327471	Drill Core	16.5	0.6	0.12	0.011	1	<0.5	<0.5	
2327472	Drill Core	13.2	0.6	0.14	<0.005	<1	0.6	<0.5	
2327473	Drill Core	1.9	0.5	0.20	0.012	3	0.7	<0.5	
2327474	Drill Core	5.4	0.5	0.29	<0.005	1	0.8	<0.5	
2327475	Drill Core	28.8	0.5	0.17	<0.005	<1	<0.5	<0.5	
2327476	Drill Core	10.5	0.6	0.25	0.005	2	<0.5	<0.5	
2327477	Drill Core	5.2	0.5	0.23	0.013	2	1.0	<0.5	
2327478	Drill Core	12.7	0.5	0.26	0.007	2	0.9	<0.5	
2327479	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
2620951 DUP of 2327400	Drill Core	13.2	1.0	0.10	0.028	<1	<0.5	<0.5	
2620952 DUP of 2327450	Drill Core	0.3	1.4	<0.05	<0.005	<1	<0.5	<0.5	

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

QUALITY CONTROL REPORT SMI14000331.2

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
2327353	Drill Core	6.12	0.013	4.2	118.3	2.5	27	<0.1	8.7	29.8	935	6.10	4	1.0	1.8	421	<0.1	0.5	<0.1	243	4.40
REP 2327353	QC			4.6	120.1	2.4	26	<0.1	8.9	30.5	916	6.29	4	1.0	1.6	424	<0.1	0.4	<0.1	249	4.45
2327358	Drill Core	5.67	0.038	1.4	289.9	2.9	31	0.1	7.4	23.4	965	6.13	3	1.6	1.7	353	<0.1	0.5	<0.1	263	4.79
REP 2327358	QC		0.042																		
2327383	Drill Core	4.06	0.047	2.6	902.3	4.3	49	0.4	54.6	224.1	1272	9.34	3	1.3	1.1	387	<0.1	0.4	0.1	260	4.56
REP 2327383	QC		0.037																		
2327392	Drill Core	6.11	0.006	1.1	233.8	3.9	77	0.2	5.5	56.8	2274	7.00	5	1.7	2.1	287	<0.1	0.7	<0.1	244	3.09
REP 2327392	QC			1.4	222.9	3.5	75	0.1	5.2	54.4	2274	6.90	7	1.6	2.2	288	<0.1	0.7	<0.1	245	3.06
2327424	Drill Core	7.10	0.031	0.8	>10000	74.6	246	4.4	60.2	266.3	2742	11.54	33	0.8	0.7	215	1.3	0.9	0.2	293	4.84
REP 2327424	QC			0.4	>10000	77.4	258	4.3	58.5	266.2	2771	11.83	33	0.8	0.8	212	1.1	0.8	0.2	291	4.62
2327474	Drill Core	6.16	0.339	<0.1	4721.3	1.3	56	0.4	75.5	89.0	2048	13.16	3	1.0	0.5	402	<0.1	2.7	<0.1	395	8.40
REP 2327474	QC			0.1	4701.1	1.4	55	0.4	77.0	88.4	2062	13.22	3	0.9	0.4	404	<0.1	2.7	<0.1	395	8.47
2327478	Drill Core	5.46	0.201	0.2	1908.0	1.2	48	0.2	67.0	128.2	1719	11.64	2	0.9	0.4	462	<0.1	2.2	<0.1	387	7.51
REP 2327478	QC		0.175																		
Core Reject Duplicates																					
2327352	Drill Core	3.13	0.007	1.8	96.6	1.8	25	<0.1	8.3	32.0	753	6.10	3	1.2	1.7	373	<0.1	0.4	<0.1	259	4.51
DUP 2327352	QC		0.012	2.2	92.2	2.0	23	<0.1	8.5	34.0	769	6.49	2	1.4	2.0	402	<0.1	0.3	<0.1	271	4.33
2327390	Drill Core	5.31	0.061	1.6	81.4	5.4	96	0.1	6.6	42.2	3169	7.58	7	2.3	2.1	257	0.1	1.1	0.1	254	3.52
DUP 2327390	QC		0.054	1.7	84.3	4.4	88	0.4	7.1	46.4	2996	7.28	7	2.3	1.9	242	<0.1	1.1	<0.1	255	3.39
2327428	Drill Core	4.30	0.013	0.2	305.9	2.1	44	<0.1	37.2	75.4	1328	8.08	6	1.0	1.0	356	<0.1	0.2	<0.1	284	8.04
DUP 2327428	QC		0.011	0.4	286.0	2.0	40	0.1	34.5	68.7	1226	7.48	6	0.9	1.0	326	<0.1	0.3	<0.1	265	7.47
2327466	Drill Core	5.17	0.227	0.2	1149.6	1.4	34	0.1	39.9	44.7	1160	6.49	3	0.8	0.7	426	<0.1	1.0	<0.1	188	6.01
DUP 2327466	QC		0.225	0.2	1092.5	1.4	35	0.1	40.0	46.7	1158	6.50	2	0.7	0.7	434	<0.1	1.0	<0.1	189	6.03
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard			2.7	39.6	26.5	50	<0.1	47.4	7.7	491	6.34	10	2.9	16.4	43	<0.1	0.6	0.3	163	0.30
STD OREAS25A-4A	Standard			2.7	36.9	25.9	50	<0.1	44.3	7.8	497	6.56	10	2.8	15.0	46	<0.1	0.7	0.4	163	0.27

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

QUALITY CONTROL REPORT SMI14000331.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
2327353	Drill Core	0.144	6.4	14	2.21	249	0.385	8.68	4.082	0.66	0.3	47.9	17	0.6	14.0	1.9	0.1	<1	20	9.8	0.1
REP 2327353	QC	0.148	6.3	14	2.27	239	0.379	8.91	4.186	0.68	0.3	49.6	17	0.6	13.9	2.0	<0.1	<1	20	8.7	0.1
2327358	Drill Core	0.134	6.8	10	2.37	151	0.392	8.62	4.023	0.44	0.2	41.1	17	1.0	12.4	1.5	<0.1	<1	22	10.3	0.1
REP 2327358	QC																				
2327383	Drill Core	0.069	29.7	105	3.61	239	0.459	8.13	3.055	0.63	0.4	25.1	37	1.1	12.3	1.0	<0.1	<1	31	18.9	2.0
REP 2327383	QC																				
2327392	Drill Core	0.180	7.1	5	1.75	2061	0.456	9.49	2.780	3.76	2.6	55.9	18	0.7	15.5	1.6	0.1	<1	17	9.7	0.3
REP 2327392	QC	0.182	7.5	5	1.74	1958	0.445	9.53	2.785	3.66	2.6	52.2	19	0.6	16.2	1.7	<0.1	<1	18	9.7	0.3
2327424	Drill Core	0.158	6.4	79	3.99	618	0.429	7.07	0.502	2.33	0.1	11.1	15	1.6	12.4	0.6	<0.1	<1	32	18.3	1.5
REP 2327424	QC	0.158	6.1	81	4.01	670	0.423	7.05	0.504	2.25	0.2	10.3	15	1.6	12.2	0.6	<0.1	<1	31	18.7	1.4
2327474	Drill Core	0.041	7.4	165	4.67	125	0.488	5.68	0.867	0.30	1.1	13.4	13	1.2	11.9	0.5	<0.1	<1	52	11.7	0.9
REP 2327474	QC	0.040	7.1	167	4.70	125	0.498	5.66	0.855	0.29	1.1	13.6	13	1.0	12.0	0.5	<0.1	<1	53	12.1	0.9
2327478	Drill Core	0.043	4.2	129	4.55	266	0.462	6.71	1.158	0.57	0.9	12.8	9	1.0	10.6	0.5	<0.1	<1	45	13.3	0.9
REP 2327478	QC																				
Core Reject Duplicates																					
2327352	Drill Core	0.140	5.2	12	2.31	219	0.375	8.59	4.054	0.70	0.2	47.1	14	0.6	12.8	1.8	<0.1	<1	20	9.1	0.1
DUP 2327352	QC	0.149	6.1	13	2.44	229	0.391	8.91	4.118	0.68	0.3	49.8	15	0.7	14.4	1.8	0.1	<1	22	9.9	0.1
2327390	Drill Core	0.181	9.0	4	2.06	996	0.462	9.77	3.305	2.33	2.2	54.1	22	0.8	14.8	1.8	0.1	<1	17	12.9	0.3
DUP 2327390	QC	0.189	8.0	5	1.96	960	0.472	9.13	3.152	2.25	2.0	56.4	20	0.6	13.5	1.8	<0.1	<1	17	12.6	0.3
2327428	Drill Core	0.071	6.2	105	4.15	284	0.469	8.20	1.992	0.69	0.3	19.5	14	1.1	13.1	1.0	<0.1	<1	31	8.8	0.3
DUP 2327428	QC	0.070	6.0	99	3.76	252	0.424	7.55	1.871	0.63	<0.1	18.1	14	1.4	11.7	0.9	<0.1	<1	29	8.4	0.3
2327466	Drill Core	0.053	3.2	112	3.79	191	0.475	8.26	2.746	0.63	1.2	19.6	9	1.3	11.5	0.9	<0.1	<1	33	15.9	0.3
DUP 2327466	QC	0.051	3.0	110	3.80	189	0.459	8.15	2.729	0.62	1.1	19.4	8	1.4	11.6	0.8	<0.1	<1	33	15.7	0.4
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard	0.052	23.4	121	0.33	156	0.999	9.08	0.132	0.51	2.2	158.1	49	4.1	10.6	21.5	1.6	1	14	38.4	<0.1
STD OREAS25A-4A	Standard	0.050	19.8	120	0.35	149	0.999	8.81	0.137	0.48	2.1	157.9	45	4.4	10.8	21.5	1.4	<1	13	38.6	<0.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

QUALITY CONTROL REPORT SMI14000331.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
	Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
Pulp Duplicates									
2327353	Drill Core	16.0	1.6	<0.05	<0.005	<1	<0.5	<0.5	
REP 2327353	QC	15.3	1.7	<0.05	0.005	<1	<0.5	<0.5	
2327358	Drill Core	16.1	1.4	0.06	<0.005	<1	<0.5	<0.5	
REP 2327358	QC								
2327383	Drill Core	17.1	1.0	0.07	0.024	2	<0.5	<0.5	
REP 2327383	QC								
2327392	Drill Core	49.5	1.8	<0.05	<0.005	<1	<0.5	<0.5	
REP 2327392	QC	47.0	1.7	<0.05	0.009	<1	<0.5	<0.5	
2327424	Drill Core	40.7	0.4	0.09	0.022	<1	<0.5	<0.5	1.04
REP 2327424	QC	39.6	0.5	0.22	0.015	1	<0.5	<0.5	
2327474	Drill Core	5.4	0.5	0.29	<0.005	1	0.8	<0.5	
REP 2327474	QC	5.7	0.5	0.38	<0.005	2	0.8	<0.5	
2327478	Drill Core	12.7	0.5	0.26	0.007	2	0.9	<0.5	
REP 2327478	QC								
Core Reject Duplicates									
2327352	Drill Core	13.4	1.5	<0.05	<0.005	<1	<0.5	<0.5	
DUP 2327352	QC	19.3	1.6	<0.05	<0.005	<1	<0.5	<0.5	
2327390	Drill Core	24.2	1.9	0.05	<0.005	<1	<0.5	<0.5	
DUP 2327390	QC	22.6	1.8	<0.05	0.008	<1	<0.5	<0.5	
2327428	Drill Core	19.7	0.6	0.09	<0.005	<1	<0.5	<0.5	
DUP 2327428	QC	18.1	0.7	<0.05	0.007	<1	<0.5	<0.5	
2327466	Drill Core	20.4	0.8	0.08	<0.005	<1	<0.5	<0.5	
DUP 2327466	QC	20.5	0.9	0.05	<0.005	<1	0.7	<0.5	
Reference Materials									
STD OREAS132A	Standard								0.05
STD OREAS134B	Standard								0.13
STD OREAS25A-4A	Standard	59.0	4.6	0.07	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	57.7	4.4	0.08	<0.005	4	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

QUALITY CONTROL REPORT SMI14000331.2

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS25A-4A	Standard			2.3	34.8	27.4	42	<0.1	48.2	8.0	551	6.93	13	3.0	16.0	48	0.1	0.7	0.5	168	0.28
STD OREAS25A-4A	Standard			2.0	32.8	25.1	40	0.1	45.8	8.5	510	6.55	12	3.0	16.0	43	0.1	0.7	0.4	171	0.28
STD OREAS25A-4A	Standard			2.4	34.9	29.6	48	<0.1	45.5	7.8	471	6.58	11	2.9	16.1	48	0.1	0.7	0.4	172	0.28
STD OREAS45E	Standard			2.6	789.9	19.9	56	0.3	501.4	62.9	585	26.63	17	2.6	14.3	15	<0.1	1.1	0.3	335	0.08
STD OREAS45E	Standard			2.8	833.4	19.6	53	0.4	501.4	62.9	593	25.90	17	2.5	13.5	12	<0.1	1.0	0.3	338	0.08
STD OREAS45E	Standard			2.7	786.3	17.3	42	0.3	466.8	58.3	587	25.82	19	2.5	13.0	13	<0.1	1.0	0.3	315	0.08
STD OREAS45E	Standard			2.5	806.8	18.8	45	0.3	498.8	58.7	597	25.82	20	2.5	13.7	11	<0.1	1.0	0.3	329	0.08
STD OREAS45E	Standard			2.4	806.7	20.7	50	0.4	493.6	64.7	560	26.57	18	2.7	14.4	14	<0.1	1.1	0.3	342	0.07
STD OXD108	Standard		0.417																		
STD OXD108	Standard		0.443																		
STD OXI121	Standard		1.830																		
STD OXI121	Standard		1.839																		
STD OXN117	Standard		7.793																		
STD OXN117	Standard		7.796																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.2	3	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	0.1	<1	<0.1	<0.1	<0.2	3	<0.01	2	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.6	<0.1	<1	<0.1	0.3	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

QUALITY CONTROL REPORT SMI14000331.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OREAS25A-4A	Standard	0.056	21.3	120	0.37	161	0.949	8.82	0.132	0.52	2.2	183.5	50	4.2	11.3	23.5	1.7	<1	14	41.3	<0.1
STD OREAS25A-4A	Standard	0.051	22.6	122	0.33	158	1.015	9.16	0.127	0.49	1.8	146.9	46	4.0	9.7	19.1	1.4	<1	13	39.9	<0.1
STD OREAS25A-4A	Standard	0.050	22.7	122	0.37	144	0.899	9.14	0.142	0.47	1.8	144.0	44	4.0	10.6	19.9	1.4	<1	14	37.5	<0.1
STD OREAS45E	Standard	0.037	12.0	1122	0.17	275	0.548	7.08	0.054	0.35	1.2	104.6	26	1.4	8.6	6.6	0.6	<1	99	6.7	<0.1
STD OREAS45E	Standard	0.034	10.5	1116	0.17	257	0.545	6.67	0.058	0.35	1.0	97.5	25	1.2	8.3	6.8	0.5	<1	101	7.4	<0.1
STD OREAS45E	Standard	0.034	10.3	1077	0.15	268	0.550	7.08	0.052	0.32	0.7	99.4	22	1.3	7.5	5.8	0.5	<1	95	7.2	<0.1
STD OREAS45E	Standard	0.033	10.0	1065	0.15	274	0.561	6.97	0.054	0.34	0.8	97.9	22	1.2	7.5	5.7	0.5	<1	96	7.0	<0.1
STD OREAS45E	Standard	0.034	13.5	990	0.18	266	0.534	7.25	0.059	0.34	1.1	93.9	26	1.3	9.0	6.4	0.6	<1	99	7.2	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1

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Bureau Veritas Commodities Canada Ltd.
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www.acmelab.com

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

QUALITY CONTROL REPORT SMI14000331.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
STD OREAS25A-4A	Standard	64.1	4.9	<0.05	<0.005	4	<0.5	<0.5	
STD OREAS25A-4A	Standard	55.3	4.1	0.06	<0.005	3	<0.5	<0.5	
STD OREAS25A-4A	Standard	59.4	4.0	0.07	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	23.9	3.3	0.11	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	22.5	2.9	0.14	<0.005	1	<0.5	<0.5	
STD OREAS45E	Standard	20.6	2.9	<0.05	<0.005	<1	<0.5	<0.5	
STD OREAS45E	Standard	19.5	2.9	0.05	<0.005	1	<0.5	<0.5	
STD OREAS45E	Standard	24.0	2.9	0.11	<0.005	2	<0.5	<0.5	
STD OXD108	Standard								
STD OXD108	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXD108 Expected									
STD OXN117 Expected									
STD OXI121 Expected									
STD OREAS25A-4A		61	4.53					0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	
STD OREAS132A Expected									0.0458
STD OREAS134B Expected									0.1348
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 26, 2014

QUALITY CONTROL REPORT SMI14000331.2

		WGHT Wgt kg 0.01	FA430 Au ppm 0.005	MA200 Mo ppm 0.1	MA200 Cu ppm 0.1	MA200 Pb ppm 0.1	MA200 Zn ppm 1	MA200 Ag ppm 0.1	MA200 Ni ppm 0.1	MA200 Co ppm 0.2	MA200 Mn ppm 1	MA200 Fe % 0.01	MA200 As ppm 1	MA200 U ppm 0.1	MA200 Th ppm 0.1	MA200 Sr ppm 1	MA200 Cd ppm 0.1	MA200 Sb ppm 0.1	MA200 Bi ppm 0.1	MA200 V ppm 1	MA200 Ca % 0.01
BLK	Blank			<0.1	0.1	<0.1	<1	<0.1	0.2	<0.2	2	<0.01	2	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank		<0.005	0.3	51.3	22.3	66	0.2	3.6	6.3	777	2.47	<1	2.9	9.3	746	0.2	0.1	0.6	50	2.47
G1-SMI	Prep Blank		<0.005	0.5	4.9	20.0	54	<0.1	3.3	5.1	765	2.49	<1	3.4	10.0	712	<0.1	<0.1	0.2	53	2.30

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QUALITY CONTROL REPORT SMI14000331.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	0.087	26.4	12	0.62	974	0.237	7.94	2.812	3.15	0.2	11.7	53	1.8	14.2	23.8	1.4	3	5	37.8	<0.1
G1-SMI	Prep Blank	0.093	27.5	13	0.61	1028	0.234	7.75	2.792	3.10	0.2	10.9	56	1.6	14.6	23.7	1.4	3	5	36.8	<0.1

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QUALITY CONTROL REPORT SMI14000331.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								<0.01
Prep Wash									
G1-SMI	Prep Blank	126.6	0.6	0.12	<0.005	<1	<0.5	1.0	
G1-SMI	Prep Blank	127.7	0.6	<0.05	<0.005	<1	<0.5	0.9	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Farshad Shirvani
Receiving Lab: Canada-Smithers
Received: June 26, 2014
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 142

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	141	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	141	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	141	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA404	3	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : MA404-Cu included.

Invoice To: Doubleview Capital Corp.
310-675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Email Distribution List

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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All results are considered the confidential property of the client. Acme 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.

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2327479	Drill Core	3.08	1.677	0.4	>10000	1.9	35	1.1	89.5	188.3	1678	13.96	<1	0.9	0.3	398	<0.1	1.9	0.3	279	9.09
2327480	Drill Core	4.05	0.125	1.0	2211.1	1.1	40	0.1	51.6	55.9	1538	11.51	3	0.8	0.5	457	<0.1	1.3	<0.1	428	7.17
2327481	Drill Core	5.68	0.663	0.2	9978.0	1.8	37	0.8	75.7	168.1	1457	12.10	2	0.9	0.4	411	<0.1	1.4	0.1	441	7.57
2327482	Drill Core	6.91	0.768	<0.1	>10000	1.9	46	1.0	79.4	266.7	1637	14.15	3	0.9	0.6	291	<0.1	0.9	0.2	507	6.53
2327483	Drill Core	4.52	0.468	0.2	7892.6	1.3	42	0.4	76.0	111.6	1728	11.94	2	1.4	0.9	419	<0.1	1.5	<0.1	411	7.54
2327484	Drill Core	5.20	0.344	0.4	>10000	1.5	56	0.6	69.8	81.0	2160	13.25	2	0.7	0.6	244	<0.1	1.0	<0.1	407	6.66
2327485	Drill Core	4.24	0.257	0.2	9075.9	1.2	43	0.7	59.6	60.0	1872	11.08	4	0.7	0.7	281	0.1	0.8	<0.1	329	7.27
2327486	Drill Core	7.42	0.039	0.2	2011.2	1.1	56	0.2	65.1	50.0	2025	12.01	3	0.7	0.7	267	<0.1	1.0	<0.1	435	7.26
2327487	Drill Core	4.90	0.028	<0.1	198.2	1.5	50	<0.1	67.5	51.9	1736	11.44	2	0.9	0.6	280	<0.1	0.8	<0.1	363	5.17
2327488	Drill Core	5.45	0.030	0.2	224.2	1.3	47	<0.1	61.2	42.4	1702	10.90	6	0.7	0.4	303	<0.1	0.7	<0.1	396	6.65
2327489	Drill Core	6.49	0.018	<0.1	251.6	1.5	50	<0.1	57.1	35.7	1805	12.58	4	0.8	0.7	290	<0.1	0.8	<0.1	427	5.49
2327490	Drill Core	7.53	0.013	<0.1	216.4	1.8	53	<0.1	46.3	31.8	2074	11.67	4	0.5	0.6	300	<0.1	0.5	<0.1	398	4.69
2327491	Drill Core	6.23	0.038	0.3	199.7	0.9	44	<0.1	59.4	64.8	1914	13.79	3	0.9	0.7	311	<0.1	1.5	<0.1	512	6.75
2327492	Drill Core	8.18	0.018	<0.1	135.6	1.0	36	<0.1	49.7	44.2	1493	10.46	2	0.7	0.6	337	<0.1	0.8	<0.1	435	6.38
2327493	Drill Core	7.31	0.066	0.4	414.0	1.4	48	<0.1	58.1	31.7	2132	14.08	2	0.7	0.5	581	<0.1	2.4	<0.1	589	5.95
2327494	Drill Core	3.77	0.170	0.4	299.2	3.3	24	<0.1	48.4	75.1	1949	14.81	3	1.1	0.7	1421	<0.1	6.2	<0.1	530	9.70
2327495	Drill Core	5.83	0.047	0.2	198.1	1.0	43	<0.1	60.0	75.6	1782	11.97	<1	0.6	0.5	316	<0.1	1.0	<0.1	456	5.80
2327496	Drill Core	8.77	0.023	0.2	202.7	1.2	38	<0.1	53.0	35.8	1883	11.60	2	1.6	0.6	491	0.1	3.3	<0.1	461	7.20
2327497	Drill Core	5.74	0.031	0.3	655.9	1.0	30	<0.1	34.0	19.4	1259	9.52	3	1.2	1.2	413	<0.1	1.6	<0.1	301	4.18
2327498	Drill Core	5.28	0.099	<0.1	235.1	1.2	20	<0.1	26.2	31.5	967	8.17	1	1.9	1.6	689	<0.1	3.8	<0.1	257	4.70
2327499	Drill Core	5.15	0.017	0.2	62.8	1.7	19	<0.1	24.1	17.6	1157	8.82	4	2.4	1.6	792	<0.1	5.8	<0.1	276	6.24
2327500	Drill Core	5.07	0.009	<0.1	524.5	0.9	21	<0.1	29.0	16.1	986	9.13	3	1.0	1.4	429	<0.1	2.1	<0.1	275	3.94
2327501	Drill Core	5.77	0.012	0.1	106.0	1.4	23	<0.1	32.4	21.8	951	9.14	3	1.2	1.5	535	<0.1	2.4	<0.1	283	4.68
2327502	Drill Core	6.33	<0.005	0.2	27.4	1.9	19	<0.1	32.1	15.9	1043	8.71	4	2.5	1.6	859	<0.1	5.1	<0.1	290	6.98
2327503	Drill Core	4.54	0.063	<0.1	38.8	1.7	16	<0.1	30.8	16.3	908	7.25	3	1.2	1.5	636	<0.1	3.0	<0.1	264	5.72
2327504	Drill Core	3.88	0.067	0.2	260.1	2.6	26	<0.1	43.5	18.6	1864	12.45	4	3.7	0.6	1153	<0.1	7.3	<0.1	497	10.07
2327505	Drill Core	6.82	0.021	0.4	103.4	1.5	39	<0.1	50.5	25.3	1958	12.02	3	1.6	0.4	713	<0.1	4.0	<0.1	538	7.54
2327506	Drill Core	2.72	0.008	0.3	141.8	3.1	36	<0.1	55.7	25.5	2033	11.83	3	1.3	0.5	968	<0.1	6.1	<0.1	574	8.19
2327507	Drill Core	4.87	0.023	<0.1	385.5	1.6	46	<0.1	54.5	30.9	1685	12.35	3	1.1	0.5	498	<0.1	2.2	<0.1	582	6.79
2327508	Drill Core	5.87	0.006	0.5	140.3	1.1	40	<0.1	48.9	35.7	1664	10.60	3	0.6	0.5	392	<0.1	1.1	<0.1	517	7.45

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2327479	Drill Core	0.025	2.6	138	4.04	226	0.279	5.32	0.686	0.44	2.5	10.3	5	1.0	7.2	0.3	<0.1	<1	34	10.7	3.0
2327480	Drill Core	0.053	3.5	80	4.08	406	0.461	7.44	1.274	0.87	0.8	11.6	7	0.9	8.7	0.4	<0.1	<1	44	15.2	0.4
2327481	Drill Core	0.034	3.6	81	3.82	234	0.487	6.58	1.277	0.52	0.5	13.1	7	0.9	9.6	0.4	<0.1	<1	44	12.8	1.9
2327482	Drill Core	0.043	5.8	138	3.92	373	0.551	6.16	1.469	0.73	0.6	12.1	11	1.1	9.2	0.6	<0.1	<1	41	11.7	2.7
2327483	Drill Core	0.067	5.7	177	4.42	187	0.529	5.92	1.538	0.37	0.6	18.9	11	1.2	13.7	0.6	<0.1	<1	50	12.0	1.2
2327484	Drill Core	0.041	3.3	245	5.11	399	0.556	5.58	1.237	0.72	0.9	15.9	7	0.8	11.2	0.4	<0.1	<1	60	13.3	1.2
2327485	Drill Core	0.054	3.1	169	3.93	324	0.433	6.19	1.705	0.68	0.6	18.5	7	0.7	9.8	0.6	<0.1	<1	42	14.6	1.0
2327486	Drill Core	0.047	3.5	192	4.42	341	0.536	5.66	1.492	0.66	0.8	16.4	8	0.9	10.7	0.7	<0.1	<1	50	16.8	0.3
2327487	Drill Core	0.052	3.2	141	4.19	421	0.437	7.29	2.328	0.74	0.8	19.0	7	0.5	9.0	0.6	<0.1	<1	35	20.1	0.2
2327488	Drill Core	0.037	3.2	136	4.46	451	0.476	7.64	1.513	0.86	0.5	13.3	7	0.6	9.8	0.6	<0.1	<1	39	25.8	<0.1
2327489	Drill Core	0.040	3.2	165	4.56	637	0.499	7.29	1.659	0.99	0.8	15.0	8	0.8	10.0	0.5	<0.1	<1	39	21.6	<0.1
2327490	Drill Core	0.045	2.1	79	4.22	623	0.469	7.75	2.210	1.13	0.8	15.5	5	0.5	7.9	0.5	<0.1	<1	39	23.8	<0.1
2327491	Drill Core	0.036	3.9	156	5.31	333	0.619	5.51	1.221	0.60	0.9	15.3	9	0.9	12.3	0.6	<0.1	<1	55	13.8	0.2
2327492	Drill Core	0.028	3.5	143	4.87	478	0.564	6.92	1.774	0.89	0.5	15.4	8	0.8	10.4	0.7	<0.1	<1	45	15.5	0.1
2327493	Drill Core	0.032	2.9	113	4.84	451	0.664	6.51	1.241	0.75	1.1	13.8	7	0.8	9.4	0.6	<0.1	<1	44	16.4	<0.1
2327494	Drill Core	0.031	3.8	71	3.48	11	0.517	6.95	1.019	0.07	0.6	16.8	10	0.9	10.8	0.6	<0.1	<1	41	5.9	0.4
2327495	Drill Core	0.032	3.2	122	5.20	263	0.549	6.46	1.791	0.60	1.3	17.4	7	0.9	10.3	0.6	<0.1	<1	59	15.0	0.3
2327496	Drill Core	0.032	5.7	103	5.13	214	0.614	6.24	1.482	0.43	0.9	19.5	11	1.1	13.6	0.6	<0.1	<1	59	11.4	0.1
2327497	Drill Core	0.098	4.3	42	3.19	188	0.426	7.57	3.744	0.39	3.6	28.2	10	0.9	12.1	1.1	<0.1	<1	33	10.0	0.1
2327498	Drill Core	0.132	9.6	4	2.20	148	0.362	8.79	4.472	0.33	0.2	34.6	18	0.9	15.4	1.3	<0.1	<1	19	7.9	0.1
2327499	Drill Core	0.126	13.7	3	2.25	61	0.361	8.77	3.709	0.15	0.3	38.0	25	0.9	17.8	1.5	<0.1	<1	19	7.5	<0.1
2327500	Drill Core	0.126	5.3	3	2.37	73	0.349	8.12	4.488	0.22	0.2	34.1	12	0.5	11.7	1.4	<0.1	<1	18	9.7	<0.1
2327501	Drill Core	0.131	7.0	3	2.46	77	0.345	8.50	4.311	0.21	0.2	30.8	15	0.7	12.0	1.4	<0.1	<1	18	9.7	<0.1
2327502	Drill Core	0.133	11.9	<1	2.36	57	0.372	8.66	3.451	0.19	0.2	34.0	20	0.6	16.7	1.6	<0.1	<1	20	7.8	<0.1
2327503	Drill Core	0.131	5.0	4	2.31	35	0.383	8.71	4.311	0.13	0.2	34.3	12	0.6	13.4	1.4	<0.1	<1	20	8.9	<0.1
2327504	Drill Core	0.054	14.3	68	3.24	47	0.534	7.79	1.220	0.13	0.6	15.8	23	1.1	21.3	0.7	<0.1	<1	36	11.6	<0.1
2327505	Drill Core	0.048	7.1	95	4.31	254	0.594	7.39	1.591	0.48	0.9	13.8	14	0.8	15.7	0.5	<0.1	<1	45	15.1	<0.1
2327506	Drill Core	0.049	7.0	88	4.57	32	0.670	7.09	1.630	0.16	0.7	17.6	13	1.1	14.7	0.7	<0.1	<1	47	12.9	<0.1
2327507	Drill Core	0.052	4.6	101	5.12	256	0.566	6.52	1.772	0.44	0.3	15.2	11	1.1	12.1	0.8	<0.1	<1	44	17.3	<0.1
2327508	Drill Core	0.026	5.4	154	4.69	226	0.562	7.23	1.914	0.48	0.5	13.9	11	0.9	9.6	0.6	<0.1	<1	41	18.5	<0.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2327479	Drill Core	9.3	0.3	0.32	0.010	9	0.7	<0.5	2.18
2327480	Drill Core	23.8	0.5	0.11	0.006	1	<0.5	<0.5	
2327481	Drill Core	12.1	0.4	0.18	<0.005	6	<0.5	<0.5	
2327482	Drill Core	16.2	0.5	0.17	<0.005	8	<0.5	<0.5	1.30
2327483	Drill Core	8.1	0.7	0.15	<0.005	3	<0.5	<0.5	
2327484	Drill Core	12.7	0.7	0.21	0.006	5	<0.5	<0.5	1.06
2327485	Drill Core	16.7	0.8	0.12	<0.005	3	<0.5	<0.5	
2327486	Drill Core	14.4	0.7	0.09	<0.005	<1	<0.5	<0.5	
2327487	Drill Core	17.8	0.7	0.11	<0.005	<1	<0.5	<0.5	
2327488	Drill Core	26.5	0.6	0.15	<0.005	<1	<0.5	<0.5	
2327489	Drill Core	23.1	0.6	0.12	<0.005	<1	<0.5	<0.5	
2327490	Drill Core	27.9	0.7	0.06	<0.005	<1	<0.5	<0.5	
2327491	Drill Core	13.0	0.6	0.21	<0.005	<1	<0.5	<0.5	
2327492	Drill Core	22.0	0.5	<0.05	<0.005	<1	<0.5	<0.5	
2327493	Drill Core	16.6	0.5	<0.05	<0.005	<1	<0.5	<0.5	
2327494	Drill Core	0.3	0.8	0.08	0.008	<1	<0.5	<0.5	
2327495	Drill Core	16.1	0.8	0.11	<0.005	<1	<0.5	<0.5	
2327496	Drill Core	6.2	0.8	0.26	0.008	<1	<0.5	<0.5	
2327497	Drill Core	7.9	0.9	0.08	<0.005	<1	<0.5	<0.5	
2327498	Drill Core	7.5	1.3	0.16	<0.005	<1	<0.5	<0.5	
2327499	Drill Core	2.9	1.2	0.12	<0.005	<1	<0.5	<0.5	
2327500	Drill Core	4.6	1.1	<0.05	<0.005	<1	<0.5	<0.5	
2327501	Drill Core	5.7	1.3	0.06	<0.005	<1	<0.5	<0.5	
2327502	Drill Core	4.9	1.2	0.22	<0.005	<1	<0.5	<0.5	
2327503	Drill Core	2.8	1.2	<0.05	<0.005	<1	<0.5	<0.5	
2327504	Drill Core	2.0	0.7	0.29	<0.005	<1	<0.5	<0.5	
2327505	Drill Core	11.3	0.6	0.16	0.007	<1	<0.5	<0.5	
2327506	Drill Core	1.2	0.6	0.14	<0.005	<1	<0.5	<0.5	
2327507	Drill Core	8.8	0.6	0.15	<0.005	<1	<0.5	<0.5	
2327508	Drill Core	12.6	0.5	<0.05	0.006	<1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2327509	Drill Core	5.55	0.015	0.1	83.8	1.4	30	<0.1	32.4	15.9	1412	7.38	3	0.7	1.0	723	<0.1	2.0	<0.1	431	6.63
2327510	Drill Core	5.40	0.010	0.1	181.1	1.8	41	<0.1	40.3	25.9	1418	9.38	3	0.4	0.7	519	<0.1	1.6	<0.1	496	6.80
2327511	Drill Core	6.39	0.024	<0.1	228.9	1.3	37	<0.1	37.7	27.8	1636	9.67	2	0.4	0.5	581	<0.1	2.3	<0.1	554	8.24
2327512	Drill Core	6.51	0.016	0.4	161.5	1.1	32	<0.1	41.9	29.3	1314	8.58	2	0.4	0.6	265	<0.1	0.8	<0.1	492	8.10
2327513	Drill Core	6.78	0.011	0.2	98.0	1.3	30	<0.1	26.7	15.5	1285	7.94	3	0.4	0.4	494	<0.1	1.6	<0.1	393	6.11
2327514	Drill Core	4.22	0.049	0.5	625.5	1.7	35	<0.1	39.3	33.3	1276	8.70	3	1.3	0.5	408	<0.1	1.1	<0.1	474	7.00
2327515	Drill Core	5.57	0.265	0.2	1224.2	3.6	33	0.3	52.3	110.5	1496	14.26	2	0.7	0.7	466	<0.1	2.1	0.1	496	6.76
2327516	Drill Core	6.75	<0.005	0.3	214.0	0.8	36	<0.1	46.5	28.8	1215	12.47	2	0.7	0.9	215	<0.1	0.5	<0.1	659	6.33
2327517	Drill Core	5.46	0.054	0.5	583.2	2.4	47	0.2	65.7	39.3	1429	9.79	4	0.6	1.1	462	<0.1	1.7	<0.1	367	9.17
2327518	Drill Core	5.34	0.116	0.4	1567.1	2.4	35	0.2	65.7	57.8	1316	9.66	3	0.7	1.1	335	<0.1	2.0	<0.1	392	9.81
2327519	Drill Core	4.80	0.031	0.1	749.8	1.0	34	<0.1	54.8	31.7	1334	8.81	1	0.6	0.9	412	<0.1	1.1	<0.1	331	5.74
2327520	Drill Core	5.14	0.201	0.2	2787.2	1.8	23	0.4	58.8	87.9	1001	12.30	2	0.4	0.8	288	<0.1	1.2	<0.1	519	7.85
2327521	Drill Core	5.53	0.105	0.2	1781.4	1.5	24	0.2	47.7	52.4	974	10.83	1	0.4	1.0	333	<0.1	1.3	<0.1	497	6.76
2327522	Drill Core	3.85	0.433	0.2	4243.2	4.4	24	0.4	83.2	148.9	1331	21.00	4	0.4	0.5	717	<0.1	2.4	<0.1	753	7.76
2327523	Drill Core	5.80	0.010	0.2	85.8	0.8	30	<0.1	47.4	34.3	1068	7.54	3	0.5	0.8	379	<0.1	0.9	<0.1	337	6.96
2327524	Drill Core	3.38	0.015	0.2	181.4	1.0	29	<0.1	51.2	37.0	1076	7.05	3	0.6	1.0	245	<0.1	0.7	<0.1	289	7.94
2327525	Drill Core	8.61	0.114	0.4	1375.7	1.6	29	0.1	55.8	66.9	1205	9.47	3	0.6	1.0	349	<0.1	1.4	<0.1	304	6.89
2327526	Drill Core	4.83	0.069	0.3	915.1	1.1	43	<0.1	48.7	54.7	1607	9.15	3	0.9	1.4	356	<0.1	1.3	<0.1	308	5.30
2327527	Drill Core	6.02	0.089	0.6	1057.3	1.8	31	0.1	60.9	52.3	1572	8.76	3	0.8	1.1	514	<0.1	2.2	<0.1	282	7.07
2327528	Drill Core	5.09	0.171	0.3	1304.5	2.2	34	0.3	60.9	45.8	1441	9.74	3	0.6	0.8	508	<0.1	2.4	<0.1	307	8.22
2327529	Drill Core	3.08	0.219	0.6	2694.4	4.0	40	0.6	52.2	56.5	1369	8.89	4	0.6	0.9	244	0.1	2.4	<0.1	286	11.41
2327530	Drill Core	6.90	0.023	0.3	227.6	1.5	32	<0.1	37.1	23.0	917	6.02	3	0.4	0.9	310	<0.1	1.2	<0.1	306	10.12
2327531	Drill Core	6.17	0.025	0.2	91.2	1.1	31	<0.1	89.0	35.3	966	7.95	1	0.2	0.6	246	0.1	0.2	<0.1	358	7.64
2327532	Drill Core	5.53	0.018	0.5	141.8	1.6	29	<0.1	49.1	29.8	1044	6.73	2	0.4	0.8	499	<0.1	0.8	<0.1	296	8.25
2327533	Drill Core	5.14	0.010	0.4	48.8	1.6	26	<0.1	40.4	22.4	971	5.97	2	0.4	0.8	401	0.1	0.6	<0.1	352	9.09
2620651	Drill Core	2.32	0.051	2.0	765.4	3.2	27	0.3	8.6	56.9	1542	6.55	4	1.5	1.7	794	<0.1	2.7	<0.1	250	8.62
2620652	Drill Core	5.57	0.043	2.1	369.4	2.0	22	0.1	8.5	26.4	1318	6.69	3	1.4	2.0	463	0.1	0.7	<0.1	264	4.54
2620653	Drill Core	4.07	0.020	2.5	314.5	2.8	35	<0.1	7.7	30.2	2037	6.87	6	3.0	1.7	398	0.1	0.9	<0.1	235	4.86
2620654	Drill Core	4.54	0.152	3.8	94.2	5.2	24	<0.1	5.9	26.2	1822	5.95	4	1.9	1.8	484	<0.1	1.8	<0.1	263	7.19
2620655	Drill Core	8.76	0.158	6.4	296.8	2.2	67	0.1	6.9	28.4	1082	6.51	4	1.6	1.8	551	<0.1	0.7	<0.1	293	5.92

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2327509	Drill Core	0.030	4.6	69	3.00	381	0.610	9.86	2.783	0.80	0.3	16.3	13	1.0	13.2	0.8	<0.1	<1	25	24.7	<0.1
2327510	Drill Core	0.103	3.3	75	3.68	113	0.525	9.26	2.513	0.42	0.4	11.5	10	0.9	11.2	0.7	<0.1	<1	27	26.5	<0.1
2327511	Drill Core	0.037	3.2	169	4.75	80	0.599	7.25	1.814	0.27	0.4	14.2	10	0.8	11.0	0.7	<0.1	<1	43	17.6	<0.1
2327512	Drill Core	0.056	3.1	109	4.34	69	0.521	7.30	1.682	0.24	0.4	15.5	9	0.8	9.3	0.5	<0.1	<1	42	16.3	<0.1
2327513	Drill Core	0.047	3.3	22	2.13	207	0.445	9.80	2.857	0.50	0.5	9.9	7	0.4	5.9	0.7	<0.1	<1	14	29.5	<0.1
2327514	Drill Core	0.030	4.7	113	3.61	221	0.476	8.51	2.317	0.59	0.5	12.6	10	1.0	8.8	0.4	<0.1	<1	34	22.1	0.2
2327515	Drill Core	0.040	4.9	176	4.19	214	0.489	6.39	1.622	0.35	0.5	12.5	12	0.7	10.7	0.8	<0.1	<1	37	15.4	0.9
2327516	Drill Core	0.054	4.1	179	4.60	1244	0.618	6.47	1.587	0.95	0.2	14.1	12	0.9	12.5	0.8	<0.1	<1	40	18.4	<0.1
2327517	Drill Core	0.117	6.5	157	4.20	59	0.480	8.04	1.449	0.07	1.1	30.2	13	0.8	12.0	1.1	<0.1	<1	35	20.7	0.2
2327518	Drill Core	0.104	21.4	175	4.07	44	0.462	7.67	1.116	0.09	0.8	22.2	29	0.7	11.7	0.9	<0.1	<1	35	17.6	0.4
2327519	Drill Core	0.078	7.5	194	4.26	68	0.452	7.28	2.971	0.27	0.5	23.0	14	0.8	11.1	0.8	<0.1	<1	32	14.7	0.1
2327520	Drill Core	0.200	3.9	103	4.11	19	0.327	5.75	1.714	0.10	0.3	17.4	9	1.0	8.8	0.6	<0.1	<1	24	10.4	0.7
2327521	Drill Core	0.147	3.6	115	3.95	43	0.391	6.89	2.435	0.19	0.3	17.0	10	1.5	10.1	0.9	<0.1	<1	27	12.4	0.4
2327522	Drill Core	0.166	3.3	88	3.75	32	0.278	6.38	1.572	0.16	0.5	14.5	7	1.0	7.3	0.6	<0.1	<1	21	7.8	1.3
2327523	Drill Core	0.078	4.2	146	4.34	92	0.428	7.71	2.765	0.36	0.2	21.3	10	1.1	11.5	0.8	<0.1	<1	37	17.7	<0.1
2327524	Drill Core	0.061	5.7	93	3.85	38	0.499	8.22	2.588	0.13	0.5	35.3	13	0.6	10.7	1.1	<0.1	<1	35	19.5	0.1
2327525	Drill Core	0.067	8.9	124	3.84	44	0.453	7.85	2.696	0.18	0.5	22.0	16	0.8	10.5	1.0	<0.1	<1	33	16.1	0.4
2327526	Drill Core	0.107	8.2	96	3.97	135	0.514	8.27	2.948	0.37	0.9	22.2	17	0.8	11.0	1.2	<0.1	<1	35	25.0	0.3
2327527	Drill Core	0.081	12.5	186	3.77	40	0.445	7.96	2.688	0.13	1.1	22.4	20	0.8	11.3	1.1	<0.1	<1	33	16.5	0.4
2327528	Drill Core	0.063	5.7	161	2.85	21	0.467	7.54	2.410	0.09	0.9	21.4	12	0.6	9.7	0.9	<0.1	<1	34	14.5	0.3
2327529	Drill Core	0.077	6.3	98	1.88	18	0.405	6.06	1.137	0.08	0.9	16.9	12	0.8	10.1	0.9	<0.1	<1	29	17.2	0.5
2327530	Drill Core	0.096	4.3	134	3.46	56	0.404	7.39	2.442	0.22	0.4	19.1	10	0.4	10.1	0.8	<0.1	<1	30	22.6	<0.1
2327531	Drill Core	0.060	2.9	330	5.88	82	0.422	6.49	2.330	0.37	<0.1	18.0	7	0.6	9.1	0.7	<0.1	<1	45	18.0	<0.1
2327532	Drill Core	0.048	3.5	221	4.47	101	0.430	7.83	2.397	0.41	<0.1	22.3	9	0.6	10.7	1.2	<0.1	<1	34	14.9	<0.1
2327533	Drill Core	0.039	2.8	213	4.56	192	0.401	7.98	2.315	0.60	<0.1	16.3	8	0.6	9.5	1.0	<0.1	<1	32	16.5	<0.1
2620651	Drill Core	0.112	6.1	11	1.71	328	0.357	8.80	2.819	0.63	0.3	37.9	15	0.6	11.8	1.4	<0.1	<1	20	6.3	0.2
2620652	Drill Core	0.126	7.1	12	2.28	415	0.420	9.07	4.120	0.73	0.2	44.1	16	0.7	12.6	1.6	<0.1	<1	23	10.2	0.1
2620653	Drill Core	0.124	5.6	8	2.44	459	0.358	8.20	3.781	0.71	0.3	40.2	14	0.6	11.8	1.3	<0.1	<1	20	7.4	0.2
2620654	Drill Core	0.129	6.1	6	2.05	60	0.418	8.74	3.264	0.14	0.3	46.9	16	1.0	13.2	1.6	<0.1	<1	21	6.0	0.2
2620655	Drill Core	0.132	6.9	7	2.28	213	0.430	9.11	3.734	0.52	0.2	46.8	16	0.8	13.2	1.6	0.1	<1	23	10.5	0.2

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2327509	Drill Core	21.3	0.6	<0.05	<0.005	<1	<0.5	<0.5	
2327510	Drill Core	13.9	0.4	<0.05	<0.005	<1	<0.5	<0.5	
2327511	Drill Core	6.3	0.6	0.20	<0.005	<1	<0.5	<0.5	
2327512	Drill Core	7.4	0.5	0.07	<0.005	<1	<0.5	<0.5	
2327513	Drill Core	5.4	0.3	0.07	<0.005	<1	<0.5	<0.5	
2327514	Drill Core	19.6	0.5	0.06	<0.005	<1	0.5	<0.5	
2327515	Drill Core	8.2	0.5	0.14	<0.005	2	<0.5	<0.5	
2327516	Drill Core	22.3	0.6	0.08	<0.005	<1	<0.5	<0.5	
2327517	Drill Core	1.4	1.0	0.07	<0.005	<1	<0.5	<0.5	
2327518	Drill Core	1.2	0.8	<0.05	<0.005	<1	<0.5	<0.5	
2327519	Drill Core	7.2	0.8	0.06	<0.005	<1	<0.5	<0.5	
2327520	Drill Core	1.2	0.6	0.11	<0.005	2	<0.5	<0.5	
2327521	Drill Core	4.6	0.7	<0.05	0.005	<1	<0.5	<0.5	
2327522	Drill Core	2.2	0.5	0.10	<0.005	3	<0.5	<0.5	
2327523	Drill Core	9.7	0.8	<0.05	<0.005	<1	0.8	<0.5	
2327524	Drill Core	3.4	0.8	0.09	0.005	<1	<0.5	<0.5	
2327525	Drill Core	3.9	0.9	0.11	0.009	2	<0.5	<0.5	
2327526	Drill Core	10.7	0.8	<0.05	0.007	<1	<0.5	<0.5	
2327527	Drill Core	2.2	0.8	0.05	<0.005	<1	<0.5	<0.5	
2327528	Drill Core	2.0	0.7	<0.05	<0.005	1	<0.5	<0.5	
2327529	Drill Core	3.0	0.6	0.05	0.006	3	<0.5	<0.5	
2327530	Drill Core	6.4	0.6	<0.05	<0.005	<1	<0.5	<0.5	
2327531	Drill Core	8.8	0.7	0.06	<0.005	<1	<0.5	<0.5	
2327532	Drill Core	10.6	0.8	0.17	<0.005	<1	<0.5	<0.5	
2327533	Drill Core	18.9	0.7	0.14	<0.005	<1	<0.5	<0.5	
2620651	Drill Core	18.0	1.3	0.15	<0.005	<1	<0.5	<0.5	
2620652	Drill Core	20.2	1.4	0.07	<0.005	<1	<0.5	<0.5	
2620653	Drill Core	17.9	1.3	<0.05	<0.005	<1	<0.5	<0.5	
2620654	Drill Core	3.6	1.5	<0.05	<0.005	<1	<0.5	<0.5	
2620655	Drill Core	17.3	1.4	0.09	<0.005	<1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620656	Drill Core	6.77	0.022	6.2	271.9	2.0	29	<0.1	8.1	28.9	934	7.22	3	1.7	1.5	449	<0.1	0.3	<0.1	285	5.24
2620657	Drill Core	6.38	0.014	0.2	1410.7	20.0	559	0.9	48.4	96.0	2025	7.49	6	1.0	0.6	410	1.5	0.9	<0.1	293	5.74
2620658	Drill Core	6.01	0.079	2.2	407.4	1.7	57	0.3	10.9	37.5	1025	6.63	4	1.6	1.4	392	0.2	0.4	<0.1	291	4.22
2620659	Drill Core	6.15	0.010	3.3	368.1	1.7	43	0.2	21.5	47.1	1572	7.57	4	1.2	1.2	420	<0.1	0.5	<0.1	274	4.27
2620660	Drill Core	5.45	0.023	1.6	222.5	5.1	94	0.1	44.6	94.6	1996	8.65	13	0.6	0.8	297	0.3	0.6	<0.1	234	6.22
2620661	Drill Core	7.63	0.020	10.4	546.6	4.2	45	0.3	62.7	218.8	1882	10.48	18	0.7	0.9	319	0.1	1.2	<0.1	264	5.14
2620662	Drill Core	4.09	0.016	11.4	109.2	2.3	97	<0.1	42.3	60.1	2377	8.43	3	0.7	0.7	379	0.2	0.7	<0.1	263	5.10
2620663	Drill Core	5.19	0.040	25.3	2356.4	9.9	132	1.5	47.3	144.5	2948	11.04	22	0.9	0.8	320	0.4	1.6	<0.1	230	5.43
2620664	Drill Core	5.78	0.018	17.0	885.4	3.9	235	0.7	46.5	110.3	3013	9.54	12	0.8	1.0	410	0.6	1.3	0.3	215	4.94
2620665	Drill Core	5.16	0.511	25.2	3625.9	14.7	144	6.4	46.9	157.3	3006	10.66	43	1.6	1.3	451	1.0	2.7	0.3	246	4.92
2620666	Drill Core	4.66	0.052	11.0	517.7	5.4	57	0.6	17.9	59.3	2456	8.12	13	1.9	1.3	367	0.1	1.8	0.2	249	4.61
2620667	Drill Core	7.09	0.018	3.7	279.2	3.7	33	0.1	10.5	37.7	1625	7.08	6	1.4	1.5	472	<0.1	1.7	<0.1	278	5.42
2620668	Drill Core	7.78	0.013	0.9	112.8	2.2	27	<0.1	11.7	31.8	1138	6.93	5	1.1	1.7	445	<0.1	0.7	<0.1	276	5.44
2620669	Drill Core	6.84	0.007	2.5	173.8	2.2	26	<0.1	9.2	28.0	951	6.64	4	1.1	1.7	470	<0.1	0.6	<0.1	275	4.93
2620670	Drill Core	6.18	0.012	2.0	163.9	2.1	30	<0.1	10.0	25.3	996	6.52	4	1.3	1.7	387	<0.1	0.3	<0.1	269	5.62
2620671	Drill Core	8.09	0.006	2.6	214.0	2.3	26	<0.1	10.2	30.4	1064	6.90	2	1.0	1.7	488	0.1	0.6	<0.1	280	4.78
2620672	Drill Core	7.56	0.017	2.6	225.7	2.1	25	<0.1	10.3	28.0	1050	6.94	3	1.1	1.7	469	<0.1	1.0	<0.1	292	4.88
2620673	Drill Core	8.33	0.016	1.6	188.7	2.0	25	<0.1	10.9	29.6	1110	6.88	3	1.2	1.7	405	0.1	0.8	<0.1	293	4.89
2620674	Drill Core	7.13	0.023	1.0	219.5	1.9	25	0.1	10.8	30.3	1074	6.96	4	1.3	1.6	426	<0.1	0.7	<0.1	296	5.27
2620675	Drill Core	8.11	0.020	0.7	236.0	2.3	27	<0.1	11.8	30.0	994	7.04	4	1.2	1.7	390	0.2	0.6	<0.1	299	5.05
2620676	Drill Core	6.38	0.015	0.9	189.5	1.6	39	<0.1	32.4	46.1	2112	7.82	4	0.9	1.3	440	<0.1	1.4	<0.1	295	5.02
2620677	Drill Core	8.24	0.014	0.6	281.8	2.1	44	<0.1	28.3	53.8	1903	7.08	4	1.0	1.3	339	<0.1	0.7	<0.1	291	4.39
2620678	Drill Core	6.90	<0.005	2.5	41.4	1.4	40	<0.1	9.3	33.3	1631	6.41	4	1.2	1.0	359	<0.1	1.0	<0.1	285	3.80
2620679	Drill Core	8.21	0.007	1.0	226.1	2.4	91	0.1	27.8	46.0	1629	7.04	4	1.1	1.2	417	0.5	0.7	<0.1	296	4.98
2620680	Drill Core	6.60	0.023	13.1	1486.1	12.4	183	1.0	63.8	218.4	1734	8.09	13	1.0	1.4	399	0.8	1.0	<0.1	189	4.15
2620681	Drill Core	7.19	<0.005	0.5	100.7	2.9	73	<0.1	43.7	47.7	1161	6.32	4	0.8	1.2	435	0.2	0.4	<0.1	253	6.14
2620682	Drill Core	8.18	0.017	7.2	999.7	7.3	116	0.4	54.7	61.0	1252	8.13	7	0.7	1.2	400	0.3	0.6	<0.1	290	6.38
2620683	Drill Core	8.52	0.071	22.0	489.7	1.8	29	0.2	6.3	34.0	881	6.89	5	1.9	1.7	509	<0.1	0.6	<0.1	273	5.18
2620684	Drill Core	6.69	0.021	7.5	464.8	1.8	33	0.1	7.7	35.8	1042	7.17	4	1.8	1.7	496	<0.1	0.9	<0.1	282	4.39
2620685	Drill Core	8.93	0.021	8.7	550.0	2.3	34	0.2	10.7	49.6	1260	7.22	4	1.3	1.7	408	<0.1	0.9	<0.1	271	4.76

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620656	Drill Core	0.129	6.2	11	2.56	225	0.421	8.72	3.732	0.59	0.3	43.6	16	1.1	13.9	1.5	<0.1	<1	24	8.8	0.1
2620657	Drill Core	0.118	11.5	91	3.59	1145	0.457	8.20	1.860	1.88	0.3	23.9	19	0.9	14.8	0.6	<0.1	<1	34	13.9	0.5
2620658	Drill Core	0.108	4.4	25	2.29	291	0.467	8.90	3.974	0.73	0.5	47.0	11	0.9	14.1	1.1	<0.1	<1	27	9.6	0.2
2620659	Drill Core	0.094	7.5	51	2.70	631	0.422	8.58	3.548	1.01	0.4	42.4	13	0.8	12.6	1.0	<0.1	<1	28	11.4	0.2
2620660	Drill Core	0.054	9.8	163	3.94	534	0.404	7.13	1.984	0.91	0.3	25.3	14	0.6	10.9	0.7	<0.1	<1	34	14.8	0.4
2620661	Drill Core	0.062	16.7	145	3.95	540	0.427	7.62	1.673	1.02	0.2	23.2	21	0.8	11.0	0.7	<0.1	<1	33	15.1	1.5
2620662	Drill Core	0.059	19.6	128	3.65	812	0.461	7.87	1.997	1.33	0.4	22.8	24	0.8	10.7	0.8	<0.1	<1	34	12.5	0.3
2620663	Drill Core	0.065	9.3	147	3.36	654	0.357	7.05	0.731	2.35	0.4	20.3	14	1.2	9.7	0.6	<0.1	<1	29	15.0	1.3
2620664	Drill Core	0.059	7.4	157	3.72	958	0.411	7.73	1.639	1.61	0.6	27.0	12	0.9	11.8	1.0	<0.1	<1	31	13.3	0.9
2620665	Drill Core	0.103	27.0	66	3.03	940	0.459	8.05	1.684	1.82	0.7	26.7	37	1.2	14.3	1.1	<0.1	<1	27	11.5	2.0
2620666	Drill Core	0.108	8.5	30	2.48	762	0.378	7.83	2.929	1.06	0.6	32.9	21	1.6	14.3	1.1	<0.1	<1	24	10.3	0.5
2620667	Drill Core	0.132	6.9	17	2.44	238	0.392	8.75	3.863	0.47	0.2	35.6	19	1.2	13.8	1.4	<0.1	<1	24	6.3	0.3
2620668	Drill Core	0.133	7.5	13	2.51	284	0.398	8.68	3.724	0.63	0.1	36.4	19	0.9	12.9	1.5	<0.1	<1	23	8.3	0.1
2620669	Drill Core	0.141	6.7	14	2.42	271	0.394	8.89	3.827	0.66	0.1	40.7	18	0.9	13.1	1.6	<0.1	<1	22	10.1	0.1
2620670	Drill Core	0.128	7.5	13	2.45	183	0.398	8.70	3.864	0.53	<0.1	43.4	19	0.8	14.4	1.5	<0.1	<1	23	10.5	<0.1
2620671	Drill Core	0.138	7.2	13	2.57	329	0.412	8.98	3.982	0.72	0.2	40.1	19	0.7	13.9	1.5	0.1	1	23	10.4	0.1
2620672	Drill Core	0.138	8.5	15	2.66	293	0.416	8.93	3.904	0.68	0.2	39.3	20	0.6	14.5	1.6	<0.1	<1	24	11.5	0.1
2620673	Drill Core	0.131	7.2	18	2.58	180	0.405	8.77	4.058	0.46	0.2	41.8	17	0.7	13.8	1.5	<0.1	<1	24	12.0	0.1
2620674	Drill Core	0.135	6.8	18	3.01	277	0.421	8.74	3.776	0.66	0.2	41.2	17	0.5	15.0	1.5	0.1	<1	24	12.3	0.1
2620675	Drill Core	0.131	8.0	16	2.83	222	0.413	8.87	3.842	0.62	0.2	38.5	20	0.5	14.6	1.5	<0.1	<1	24	13.7	0.1
2620676	Drill Core	0.074	5.8	92	3.53	272	0.431	8.31	3.332	0.50	0.5	27.7	14	0.9	11.5	1.2	<0.1	<1	33	13.7	0.1
2620677	Drill Core	0.111	4.8	59	3.31	539	0.412	8.23	3.446	0.86	0.6	31.2	13	0.8	12.5	1.1	<0.1	<1	30	13.7	0.3
2620678	Drill Core	0.109	2.7	6	2.51	468	0.392	8.69	4.007	0.98	0.7	43.5	9	1.0	10.8	1.2	<0.1	<1	22	12.1	0.1
2620679	Drill Core	0.100	4.6	49	3.23	506	0.424	8.73	3.394	0.98	0.6	34.8	13	0.8	13.3	1.0	<0.1	<1	29	14.9	0.2
2620680	Drill Core	0.102	7.3	49	2.76	267	0.393	8.41	2.606	2.16	0.3	31.8	19	1.5	14.0	1.3	<0.1	<1	20	20.0	2.3
2620681	Drill Core	0.091	8.0	120	3.59	438	0.421	8.55	2.944	0.85	0.2	27.8	16	0.9	13.2	1.2	<0.1	<1	29	16.7	0.2
2620682	Drill Core	0.082	6.1	170	4.24	760	0.443	7.91	1.909	1.13	0.2	22.7	15	1.1	12.2	1.0	<0.1	<1	35	15.8	0.4
2620683	Drill Core	0.148	5.6	7	2.32	233	0.412	9.16	3.897	0.54	0.2	44.5	18	1.2	14.3	1.7	0.1	1	21	11.3	0.2
2620684	Drill Core	0.143	5.6	8	2.41	276	0.419	8.96	4.031	0.58	0.2	45.7	17	1.1	14.2	1.6	<0.1	<1	22	11.7	0.2
2620685	Drill Core	0.134	6.3	15	2.67	276	0.398	8.44	3.857	0.60	0.4	39.5	17	0.9	14.2	1.4	<0.1	<1	24	9.9	0.3

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620656	Drill Core	20.4	1.4	<0.05	<0.005	<1	<0.5	<0.5	
2620657	Drill Core	43.4	0.9	0.11	<0.005	<1	<0.5	<0.5	
2620658	Drill Core	21.9	1.7	0.10	<0.005	<1	<0.5	<0.5	
2620659	Drill Core	28.3	1.5	0.09	<0.005	<1	<0.5	<0.5	
2620660	Drill Core	23.8	0.9	0.07	<0.005	<1	<0.5	<0.5	
2620661	Drill Core	27.5	0.9	0.11	0.008	<1	<0.5	<0.5	
2620662	Drill Core	34.4	0.7	0.07	0.007	<1	<0.5	<0.5	
2620663	Drill Core	50.2	0.7	0.16	0.051	2	<0.5	<0.5	
2620664	Drill Core	40.4	1.0	0.14	0.031	<1	1.1	<0.5	
2620665	Drill Core	36.2	0.9	0.19	0.069	<1	<0.5	<0.5	
2620666	Drill Core	22.9	1.2	<0.05	0.061	<1	0.8	<0.5	
2620667	Drill Core	14.9	1.3	0.07	0.011	<1	0.7	<0.5	
2620668	Drill Core	19.0	1.5	<0.05	<0.005	<1	<0.5	<0.5	
2620669	Drill Core	16.6	1.4	<0.05	0.008	<1	1.1	<0.5	
2620670	Drill Core	15.9	1.4	<0.05	<0.005	<1	0.9	<0.5	
2620671	Drill Core	19.5	1.3	<0.05	0.007	<1	1.3	<0.5	
2620672	Drill Core	21.3	1.7	<0.05	0.007	<1	<0.5	<0.5	
2620673	Drill Core	14.6	1.5	<0.05	<0.005	<1	<0.5	<0.5	
2620674	Drill Core	21.1	1.5	<0.05	0.006	<1	<0.5	<0.5	
2620675	Drill Core	19.9	1.6	0.06	<0.005	<1	1.1	<0.5	
2620676	Drill Core	13.6	1.0	0.06	<0.005	<1	0.5	<0.5	
2620677	Drill Core	19.1	1.2	0.06	<0.005	<1	0.7	<0.5	
2620678	Drill Core	14.6	1.6	<0.05	0.008	<1	<0.5	<0.5	
2620679	Drill Core	26.3	1.3	<0.05	<0.005	1	1.1	<0.5	
2620680	Drill Core	46.5	1.1	0.06	0.074	1	0.6	<0.5	
2620681	Drill Core	26.2	1.3	0.10	0.006	<1	0.9	<0.5	
2620682	Drill Core	29.3	0.7	0.06	0.041	<1	0.5	<0.5	
2620683	Drill Core	16.6	1.5	<0.05	0.090	<1	0.7	<0.5	
2620684	Drill Core	16.9	1.7	<0.05	0.038	<1	0.9	<0.5	
2620685	Drill Core	18.8	1.4	<0.05	0.059	<1	<0.5	<0.5	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620686	Drill Core	8.50	0.077	2.1	1147.5	3.0	55	0.4	36.3	84.6	1072	8.66	4	0.9	1.2	474	<0.1	0.7	<0.1	251	5.18
2620687	Drill Core	8.07	0.036	2.1	754.4	2.6	47	0.3	31.9	66.3	933	7.30	3	1.2	1.5	426	<0.1	0.4	<0.1	227	5.73
2620688	Drill Core	8.40	0.009	2.2	225.0	1.8	33	<0.1	36.8	38.0	959	6.79	2	0.8	1.1	481	<0.1	0.3	<0.1	234	5.86
2620689	Drill Core	8.98	0.023	0.8	275.3	1.2	34	<0.1	52.5	48.2	894	7.59	3	0.6	1.0	475	<0.1	0.3	<0.1	272	6.80
2620690	Drill Core	7.93	0.032	0.9	398.2	1.4	34	0.1	38.5	48.0	1099	6.94	3	0.7	1.0	384	<0.1	0.2	<0.1	250	6.38
2620691	Drill Core	5.66	0.041	0.5	601.1	2.0	34	0.2	10.5	32.7	767	4.91	4	1.0	1.3	376	<0.1	0.2	<0.1	198	5.13
2620692	Drill Core	3.86	0.010	0.8	194.9	3.0	45	0.1	9.4	27.9	899	4.98	2	0.9	1.2	412	<0.1	0.3	<0.1	199	4.72
2620693	Drill Core	4.26	0.121	3.9	4026.5	16.2	186	3.8	49.8	161.2	1195	7.36	17	1.2	1.3	500	0.9	1.1	<0.1	203	4.64
2620694	Drill Core	5.90	0.044	0.5	189.4	4.0	151	0.2	15.1	38.0	1051	5.18	3	0.8	1.0	460	0.3	0.5	<0.1	202	5.19
2620695	Drill Core	9.27	0.014	1.9	176.6	2.9	109	<0.1	35.9	43.7	1118	6.88	2	0.7	0.9	463	0.4	0.4	<0.1	265	6.15
2620696	Drill Core	7.33	0.026	2.7	150.7	3.2	52	<0.1	9.0	34.8	884	4.85	3	0.9	1.4	380	<0.1	0.2	<0.1	189	5.77
2620697	Drill Core	6.81	0.018	0.4	66.5	11.9	249	<0.1	16.6	60.4	1002	5.03	5	0.7	1.0	430	1.0	0.5	<0.1	198	5.32
2620698	Drill Core	6.35	0.011	6.5	347.1	4.4	123	0.2	25.5	71.2	1288	5.65	12	1.0	1.3	418	0.5	1.3	<0.1	193	6.49
2620699	Drill Core	6.75	0.005	11.8	83.0	2.8	37	<0.1	23.4	80.6	1113	5.92	7	0.8	1.2	415	<0.1	0.5	0.3	206	4.52
2620700	Drill Core	6.75	<0.005	8.3	89.8	3.2	49	<0.1	18.7	53.3	1272	6.55	3	1.0	1.5	447	<0.1	1.0	0.1	212	5.72
2620701	Drill Core	5.78	0.010	1.9	225.8	63.2	202	0.1	37.4	67.9	1602	9.04	6	0.7	1.1	406	0.5	1.2	0.1	265	5.32
2620702	Drill Core	5.77	0.015	2.2	334.4	20.3	325	0.2	52.0	112.5	2003	9.47	13	0.8	1.0	432	1.0	1.2	0.1	270	4.77
2620703	Drill Core	5.11	0.036	3.4	365.1	15.7	182	0.2	78.1	242.3	1823	10.71	19	0.7	1.0	400	0.4	1.6	0.4	287	6.24
2620704	Drill Core	5.76	0.129	1.6	2485.7	4.7	81	0.6	76.0	133.2	1943	9.82	9	0.7	1.1	277	0.1	0.8	0.3	273	5.23
2620705	Drill Core	5.07	0.012	0.7	174.1	2.4	69	0.1	49.9	52.3	1634	7.63	6	0.6	1.3	452	0.2	0.6	<0.1	270	5.82
2620706	Drill Core	6.47	0.013	0.8	215.9	1.8	59	1.6	48.6	40.3	1722	7.43	9	0.5	1.1	346	<0.1	1.0	<0.1	269	6.75
2620707	Drill Core	7.52	0.010	0.7	146.5	1.4	50	0.1	52.1	42.6	1545	7.55	5	0.4	1.0	383	<0.1	0.6	<0.1	256	6.41
2620708	Drill Core	6.56	0.007	0.3	134.4	1.7	52	<0.1	56.4	36.3	1294	7.58	4	0.4	1.1	399	0.2	0.4	<0.1	267	6.22
2620709	Drill Core	6.85	0.005	0.1	89.4	1.5	49	<0.1	56.5	40.1	1178	7.00	2	0.4	1.1	499	<0.1	0.3	<0.1	277	7.13
2620710	Drill Core	7.36	<0.005	0.3	61.0	1.1	57	<0.1	65.1	40.1	1338	7.48	2	0.3	1.0	405	<0.1	0.1	<0.1	301	7.56
2620711	Drill Core	6.55	0.009	1.2	123.5	1.5	51	<0.1	51.9	47.2	1049	7.61	3	0.4	1.1	406	<0.1	0.2	<0.1	269	6.89
2620712	Drill Core	6.30	0.006	0.3	80.1	3.2	63	<0.1	48.2	38.7	1170	9.51	2	0.3	0.7	410	<0.1	<0.1	<0.1	351	6.36
2620713	Drill Core	6.12	0.038	1.0	541.0	2.2	57	<0.1	39.8	42.1	1288	7.46	8	0.4	0.6	432	<0.1	0.8	<0.1	269	7.28
2620714	Drill Core	5.71	<0.005	0.3	93.8	1.8	58	<0.1	42.6	33.2	1258	7.48	2	0.4	0.7	553	<0.1	0.6	<0.1	290	6.93
2620715	Drill Core	5.80	0.006	0.5	178.6	1.6	96	<0.1	50.2	40.3	1757	8.04	5	0.4	1.0	518	0.2	0.9	<0.1	297	6.73

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620686	Drill Core	0.080	6.5	141	3.62	585	0.433	8.42	2.750	0.89	0.4	24.0	16	1.4	13.2	1.1	<0.1	<1	31	14.8	0.6
2620687	Drill Core	0.088	7.1	104	3.24	196	0.472	8.99	3.379	0.61	0.5	26.9	17	1.2	13.8	1.5	<0.1	<1	31	12.8	0.5
2620688	Drill Core	0.096	6.4	100	3.20	274	0.454	8.86	3.153	0.68	0.2	26.5	15	0.9	12.0	1.5	<0.1	<1	25	14.4	0.1
2620689	Drill Core	0.075	6.4	123	3.65	469	0.451	8.44	2.479	1.00	0.2	18.8	14	0.4	11.6	0.9	<0.1	<1	30	15.9	0.2
2620690	Drill Core	0.087	6.1	108	3.57	319	0.427	7.95	2.718	0.69	0.3	24.1	15	0.7	13.0	1.1	<0.1	<1	27	14.6	0.3
2620691	Drill Core	0.108	4.6	11	2.05	156	0.384	9.12	4.160	0.46	0.5	50.9	13	0.9	15.2	1.5	0.1	<1	15	12.1	0.2
2620692	Drill Core	0.103	5.2	15	2.10	292	0.382	8.94	4.049	0.70	0.3	42.8	14	0.9	14.2	1.7	<0.1	<1	16	11.0	0.1
2620693	Drill Core	0.099	6.8	27	2.34	373	0.387	8.92	3.442	0.97	0.4	42.4	17	1.4	15.7	1.4	0.1	<1	18	10.7	1.8
2620694	Drill Core	0.102	4.8	26	2.45	229	0.409	9.12	3.829	0.67	0.5	34.9	14	1.0	15.3	1.4	0.1	<1	18	12.3	0.2
2620695	Drill Core	0.093	7.1	102	3.70	248	0.462	8.80	3.094	0.62	0.4	24.9	17	0.8	16.5	1.2	<0.1	<1	30	10.8	0.2
2620696	Drill Core	0.101	6.3	11	2.14	129	0.374	9.30	3.897	0.41	0.3	41.7	16	1.0	15.7	1.5	0.1	<1	16	14.1	0.3
2620697	Drill Core	0.105	6.0	12	1.98	697	0.399	9.08	3.581	1.20	0.3	40.3	14	1.5	14.1	1.5	<0.1	<1	15	14.2	0.3
2620698	Drill Core	0.096	5.3	10	2.44	1056	0.374	9.43	2.547	1.78	0.4	37.8	14	1.0	15.4	1.5	<0.1	<1	17	12.5	0.4
2620699	Drill Core	0.101	4.2	11	2.27	126	0.390	9.07	4.070	0.41	0.3	40.1	12	1.0	14.0	1.6	0.1	<1	16	16.8	0.6
2620700	Drill Core	0.123	5.2	38	2.63	165	0.394	9.19	3.473	0.44	0.3	40.0	14	1.3	16.0	1.5	<0.1	<1	20	14.0	0.3
2620701	Drill Core	0.102	4.7	132	3.77	354	0.437	7.95	2.460	0.88	0.5	25.4	12	1.2	13.1	1.0	<0.1	<1	33	15.6	0.5
2620702	Drill Core	0.078	4.9	130	3.84	543	0.438	8.15	2.579	1.08	0.6	26.2	12	1.1	12.0	1.2	<0.1	1	30	14.9	0.8
2620703	Drill Core	0.057	6.2	124	3.69	329	0.396	7.98	1.761	0.74	0.6	26.1	14	1.4	12.1	0.9	<0.1	<1	31	15.8	2.4
2620704	Drill Core	0.100	4.6	150	3.99	331	0.460	7.54	2.647	0.54	0.5	28.7	13	1.4	13.4	1.1	<0.1	1	32	14.9	1.7
2620705	Drill Core	0.110	5.1	129	3.91	237	0.472	8.15	2.916	0.63	0.6	25.8	13	0.9	13.3	1.1	<0.1	<1	34	15.7	0.4
2620706	Drill Core	0.093	5.1	154	3.63	80	0.445	7.82	2.607	0.26	7.5	25.2	13	0.9	12.4	1.0	<0.1	<1	32	13.2	0.3
2620707	Drill Core	0.082	5.0	148	3.69	222	0.432	7.79	2.612	0.57	0.5	23.9	13	0.8	12.4	0.9	<0.1	<1	33	12.0	0.3
2620708	Drill Core	0.087	5.7	174	3.94	267	0.440	7.80	2.757	0.73	0.3	26.1	14	0.8	12.7	1.0	<0.1	<1	35	13.7	0.1
2620709	Drill Core	0.083	6.0	136	3.63	350	0.420	8.04	2.524	0.80	0.2	26.2	14	0.7	13.0	0.9	<0.1	<1	34	12.0	0.2
2620710	Drill Core	0.073	5.7	198	4.68	307	0.440	7.82	2.444	0.68	<0.1	25.9	14	0.5	13.4	0.9	<0.1	<1	38	11.8	<0.1
2620711	Drill Core	0.083	5.3	128	3.48	283	0.411	8.18	2.673	0.66	0.1	25.5	13	0.5	13.2	0.7	<0.1	1	28	11.6	0.3
2620712	Drill Core	0.053	4.1	106	3.46	295	0.473	8.15	2.567	0.66	<0.1	24.4	11	0.7	10.9	0.8	<0.1	<1	29	10.0	<0.1
2620713	Drill Core	0.080	4.8	45	2.63	244	0.419	8.61	2.289	0.68	0.3	16.2	12	0.5	11.7	0.6	<0.1	<1	22	10.1	0.3
2620714	Drill Core	0.083	7.0	103	3.33	384	0.443	8.73	2.657	0.78	0.1	24.2	15	0.5	13.7	0.8	<0.1	<1	28	10.4	<0.1
2620715	Drill Core	0.094	8.7	136	3.87	314	0.448	8.16	2.692	0.62	0.6	24.0	18	0.6	14.0	0.9	<0.1	<1	34	12.8	0.1

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620686	Drill Core	26.3	1.0	0.10	0.021	<1	<0.5	<0.5	
2620687	Drill Core	18.8	1.0	0.09	0.013	<1	<0.5	<0.5	
2620688	Drill Core	18.7	1.0	0.05	0.017	<1	0.8	<0.5	
2620689	Drill Core	30.1	0.8	0.06	0.009	<1	1.4	<0.5	
2620690	Drill Core	22.0	0.9	0.10	0.013	<1	0.8	<0.5	
2620691	Drill Core	8.8	1.7	0.05	0.011	<1	0.9	<0.5	
2620692	Drill Core	12.2	1.5	0.06	0.013	<1	<0.5	<0.5	
2620693	Drill Core	25.6	1.5	0.06	0.052	<1	0.9	<0.5	
2620694	Drill Core	16.4	1.3	0.06	0.029	<1	1.1	<0.5	
2620695	Drill Core	18.9	1.0	0.10	0.036	<1	<0.5	<0.5	
2620696	Drill Core	14.2	1.4	<0.05	0.051	<1	0.9	<0.5	
2620697	Drill Core	15.7	1.4	0.07	0.013	<1	0.6	<0.5	
2620698	Drill Core	34.3	1.4	0.09	0.056	<1	1.0	<0.5	
2620699	Drill Core	10.2	1.5	0.14	0.115	<1	<0.5	<0.5	
2620700	Drill Core	12.4	1.4	0.10	0.094	<1	0.8	<0.5	
2620701	Drill Core	22.0	1.0	<0.05	0.039	<1	1.6	<0.5	
2620702	Drill Core	21.5	0.9	0.07	0.062	1	0.6	<0.5	
2620703	Drill Core	17.7	1.1	0.12	0.135	<1	1.0	<0.5	
2620704	Drill Core	13.4	0.9	0.08	0.097	<1	0.6	<0.5	
2620705	Drill Core	20.1	1.0	0.08	0.021	<1	0.6	<0.5	
2620706	Drill Core	7.3	0.9	0.10	0.006	<1	0.7	<0.5	
2620707	Drill Core	17.1	0.8	0.07	0.015	<1	0.7	<0.5	
2620708	Drill Core	22.1	1.1	0.07	0.009	<1	1.8	<0.5	
2620709	Drill Core	25.4	1.0	0.10	0.008	<1	2.3	<0.5	
2620710	Drill Core	17.3	0.9	0.07	<0.005	1	2.1	<0.5	
2620711	Drill Core	18.2	0.9	<0.05	0.015	<1	1.3	<0.5	
2620712	Drill Core	18.2	0.9	0.09	0.010	<1	0.5	<0.5	
2620713	Drill Core	21.8	0.5	<0.05	0.011	<1	0.7	<0.5	
2620714	Drill Core	24.2	0.9	0.15	<0.005	<1	1.3	<0.5	
2620715	Drill Core	18.8	0.9	0.09	0.011	<1	0.7	<0.5	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620716	Drill Core	6.37	0.009	0.3	125.3	1.5	68	<0.1	43.4	37.8	1387	6.93	3	0.8	1.5	378	<0.1	0.2	<0.1	264	5.52
2620717	Drill Core	6.34	0.015	0.3	181.3	1.8	52	0.1	32.8	35.3	1569	7.32	4	0.7	1.2	496	<0.1	0.8	<0.1	287	6.31
2620718	Drill Core	3.79	0.016	0.2	385.6	2.1	56	0.1	25.8	38.1	1663	8.08	5	1.0	0.9	572	<0.1	1.3	<0.1	301	5.43
2620719	Drill Core	6.61	0.012	0.8	219.6	1.8	58	<0.1	41.7	32.6	1430	7.30	3	0.5	1.4	479	<0.1	0.5	<0.1	261	6.55
2620720	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
2620721	Drill Core		0.107	0.6	987.0	2.4	62	0.2	40.7	49.7	1612	7.44	7	0.6	1.0	497	<0.1	1.1	<0.1	249	6.10
2620722	Drill Core	8.19	0.843	0.5	2832.0	3.8	66	0.5	34.9	39.2	1406	8.47	4	0.6	0.9	452	0.1	0.3	<0.1	247	5.23
2620723	Drill Core	3.91	0.012	0.3	478.5	1.4	62	0.1	60.8	39.7	1391	8.28	4	0.3	0.9	401	<0.1	0.9	<0.1	254	4.88
2620724	Drill Core	10.22	0.029	5.7	502.5	2.9	68	0.2	41.3	52.9	1396	7.45	5	0.4	0.8	378	<0.1	0.5	<0.1	256	6.02
2620725	Drill Core	7.25	0.236	1.9	1967.8	1.8	55	0.6	43.9	45.1	1256	6.92	7	0.3	0.6	381	0.1	0.5	<0.1	234	6.49
2620726	Drill Core	8.37	0.384	0.4	1441.9	3.2	58	0.5	79.7	37.8	1537	6.32	3	0.4	0.9	516	<0.1	0.5	<0.1	210	7.55
2620728	Drill Core	5.83	0.036	0.4	305.5	1.8	58	0.1	36.0	34.0	1583	7.49	4	0.3	0.6	678	<0.1	1.4	<0.1	243	6.54
2620729	Drill Core	1.58	0.163	1.9	5458.8	4.6	41	1.4	62.3	163.9	1819	8.59	15	0.9	0.9	1062	<0.1	5.0	0.3	244	8.57
2620730	Drill Core	5.61	0.035	1.1	1280.0	1.4	47	0.3	60.2	171.8	1572	9.03	7	1.2	1.0	568	<0.1	2.0	<0.1	257	5.22
2620731	Drill Core	5.60	0.043	1.1	508.6	1.1	31	0.1	35.9	77.0	1088	8.06	6	0.8	0.8	539	<0.1	1.3	<0.1	235	6.01
2620732	Drill Core	2.92	0.057	1.9	699.5	1.8	52	0.2	31.7	53.4	1051	7.68	6	1.0	1.1	475	<0.1	0.9	<0.1	240	5.60
2620733	Drill Core	4.35	0.534	25.4	8373.6	1.9	56	1.3	123.9	312.0	1397	14.70	14	1.7	1.2	367	<0.1	1.4	0.2	254	4.28
2620734	Drill Core	4.68	0.184	3.2	1541.2	1.0	38	0.3	28.5	73.6	1431	7.27	6	1.4	1.3	361	<0.1	0.9	<0.1	215	6.39
2620735	Drill Core	4.83	0.049	1.5	603.8	1.0	36	0.1	41.2	37.6	1140	8.08	4	0.6	1.6	427	<0.1	0.7	<0.1	239	6.47
2620953 DUP of 2327500	Drill Core		0.006	0.1	475.4	0.9	24	<0.1	29.0	16.3	943	8.92	2	0.9	1.3	363	<0.1	2.2	<0.1	275	3.88
2620954 DUP of 2327533	Drill Core		0.011	0.3	45.0	1.5	31	<0.1	39.4	21.2	954	5.94	2	0.4	0.8	365	<0.1	0.5	<0.1	356	8.93
2620955 DUP of 2620700	Drill Core		0.006	6.9	94.5	2.8	46	<0.1	20.2	54.9	1330	6.59	3	1.1	1.6	375	<0.1	0.7	<0.1	216	6.03

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620716	Drill Core	0.101	6.1	105	3.41	325	0.440	8.58	3.455	0.78	0.4	31.9	16	0.5	13.9	1.1	<0.1	<1	29	12.6	0.2
2620717	Drill Core	0.090	6.1	82	3.34	252	0.430	8.69	3.286	0.57	0.5	25.2	16	0.6	15.1	1.2	<0.1	<1	31	11.4	0.1
2620718	Drill Core	0.086	4.7	69	3.11	374	0.431	8.77	3.563	0.60	0.5	27.8	13	0.7	14.0	0.9	<0.1	<1	29	11.4	0.2
2620719	Drill Core	0.113	6.7	107	3.15	252	0.451	8.61	3.238	0.67	0.4	30.2	17	0.7	14.9	1.6	<0.1	<1	29	12.0	0.1
2620720	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
2620721	Drill Core	0.094	5.9	85	3.16	300	0.433	8.32	3.284	0.68	0.7	26.4	15	0.7	14.3	1.1	<0.1	<1	28	10.7	0.4
2620722	Drill Core	0.058	3.8	114	3.28	541	0.423	7.95	2.901	1.15	0.4	29.8	11	1.0	12.5	0.9	<0.1	<1	31	8.4	0.5
2620723	Drill Core	0.053	4.1	108	3.14	227	0.435	8.13	3.275	0.63	0.6	30.2	11	0.8	11.8	1.1	<0.1	<1	25	10.7	0.2
2620724	Drill Core	0.092	5.0	81	2.92	361	0.471	8.40	2.860	0.77	0.5	22.1	13	0.6	12.4	0.8	<0.1	<1	26	13.7	0.4
2620725	Drill Core	0.065	5.9	85	2.75	195	0.406	8.51	2.924	0.48	0.5	22.2	13	0.6	11.8	0.7	<0.1	<1	22	12.7	0.4
2620726	Drill Core	0.090	5.1	219	3.63	510	0.430	7.59	1.880	1.12	0.6	25.2	12	0.6	11.4	1.6	0.1	<1	25	13.8	0.2
2620728	Drill Core	0.058	4.5	58	2.83	336	0.403	8.59	2.528	0.72	0.5	16.1	11	0.5	11.1	0.8	<0.1	<1	23	13.4	0.1
2620729	Drill Core	0.082	7.4	65	2.32	145	0.405	8.95	1.758	0.38	1.1	22.9	16	1.2	12.6	1.0	<0.1	<1	25	6.0	1.9
2620730	Drill Core	0.076	13.4	86	3.45	228	0.426	8.36	3.135	0.72	0.8	25.2	24	1.7	14.8	1.0	<0.1	<1	30	7.6	1.3
2620731	Drill Core	0.059	9.2	120	3.55	270	0.375	8.05	2.718	0.62	0.4	24.1	17	1.0	12.6	0.9	<0.1	<1	29	8.7	0.6
2620732	Drill Core	0.084	6.0	113	3.48	225	0.391	7.74	2.952	0.54	0.3	27.3	14	1.2	12.9	1.3	<0.1	<1	34	10.3	0.5
2620733	Drill Core	0.098	11.1	56	2.51	115	0.392	7.16	3.414	0.28	4.2	36.3	21	1.4	14.4	1.3	<0.1	<1	21	9.1	5.3
2620734	Drill Core	0.115	4.5	62	2.24	84	0.418	7.73	3.883	0.21	0.5	36.8	12	1.3	13.9	1.4	<0.1	<1	21	9.9	0.6
2620735	Drill Core	0.111	5.9	163	3.53	217	0.410	7.77	2.685	0.57	0.6	26.2	15	0.7	13.2	1.0	<0.1	<1	29	9.5	0.2
2620953 DUP of 2327500	Drill Core	0.130	4.7	4	2.30	63	0.352	8.05	4.569	0.21	0.2	34.2	11	0.6	12.1	1.4	<0.1	<1	17	8.6	<0.1
2620954 DUP of 2327533	Drill Core	0.046	2.8	212	4.47	185	0.403	7.62	2.274	0.59	0.2	16.9	9	0.8	11.3	1.0	<0.1	<1	31	15.6	<0.1
2620955 DUP of 2620700	Drill Core	0.130	4.9	36	2.60	161	0.416	9.15	3.440	0.44	0.4	38.3	13	1.4	16.8	1.5	<0.1	<1	21	14.8	0.3

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Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000338.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620716	Drill Core	21.9	1.0	0.08	<0.005	<1	1.2	<0.5	
2620717	Drill Core	16.4	1.0	0.08	0.056	<1	0.6	<0.5	
2620718	Drill Core	16.6	1.1	0.08	0.008	<1	0.9	<0.5	
2620719	Drill Core	19.3	1.1	<0.05	0.010	<1	1.7	<0.5	
2620720	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
2620721	Drill Core	17.9	1.0	0.09	0.019	<1	0.8	<0.5	
2620722	Drill Core	30.7	0.9	0.07	0.024	<1	<0.5	<0.5	
2620723	Drill Core	18.9	1.0	0.13	0.006	<1	2.2	<0.5	
2620724	Drill Core	21.9	0.9	0.07	0.040	<1	0.5	<0.5	
2620725	Drill Core	14.6	0.9	0.06	0.020	<1	0.6	<0.5	
2620726	Drill Core	27.6	0.9	0.15	0.006	<1	2.0	<0.5	
2620728	Drill Core	22.1	0.7	0.11	<0.005	<1	1.1	<0.5	
2620729	Drill Core	10.1	0.8	0.12	0.121	2	1.6	<0.5	
2620730	Drill Core	18.7	0.9	0.15	0.056	<1	0.6	<0.5	
2620731	Drill Core	17.3	0.9	0.12	0.076	<1	<0.5	<0.5	
2620732	Drill Core	15.0	1.2	0.07	0.111	<1	<0.5	<0.5	
2620733	Drill Core	6.9	1.3	0.15	0.898	3	<0.5	<0.5	
2620734	Drill Core	5.8	1.4	<0.05	0.055	<1	1.1	<0.5	
2620735	Drill Core	15.3	1.2	0.07	0.022	<1	0.8	<0.5	
2620953 DUP of 2327500	Drill Core	4.5	1.3	<0.05	<0.005	<1	<0.5	<0.5	
2620954 DUP of 2327533	Drill Core	18.0	0.7	0.10	<0.005	<1	0.6	<0.5	
2620955 DUP of 2620700	Drill Core	13.3	1.4	0.08	0.074	<1	0.7	<0.5	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000338.2

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
2327493	Drill Core	7.31	0.066	0.4	414.0	1.4	48	<0.1	58.1	31.7	2132	14.08	2	0.7	0.5	581	<0.1	2.4	<0.1	589	5.95
REP 2327493	QC		0.082																		
REP 2327501	QC			<0.1	102.8	1.1	21	<0.1	32.9	22.2	959	9.19	3	1.2	1.5	519	<0.1	2.2	<0.1	280	4.66
2620654	Drill Core	4.54	0.152	3.8	94.2	5.2	24	<0.1	5.9	26.2	1822	5.95	4	1.9	1.8	484	<0.1	1.8	<0.1	263	7.19
REP 2620654	QC			4.1	90.9	4.5	20	<0.1	5.8	26.1	1837	6.01	3	1.9	1.7	484	0.1	2.2	<0.1	267	7.33
2620666	Drill Core	4.66	0.052	11.0	517.7	5.4	57	0.6	17.9	59.3	2456	8.12	13	1.9	1.3	367	0.1	1.8	0.2	249	4.61
REP 2620666	QC		0.037																		
2620685	Drill Core	8.93	0.021	8.7	550.0	2.3	34	0.2	10.7	49.6	1260	7.22	4	1.3	1.7	408	<0.1	0.9	<0.1	271	4.76
REP 2620685	QC		0.016																		
2620689	Drill Core	8.98	0.023	0.8	275.3	1.2	34	<0.1	52.5	48.2	894	7.59	3	0.6	1.0	475	<0.1	0.3	<0.1	272	6.80
REP 2620689	QC			0.8	266.2	1.2	31	<0.1	52.3	45.1	852	7.31	3	0.5	1.0	470	<0.1	0.2	<0.1	268	6.74
2620707	Drill Core	7.52	0.010	0.7	146.5	1.4	50	0.1	52.1	42.6	1545	7.55	5	0.4	1.0	383	<0.1	0.6	<0.1	256	6.41
REP 2620707	QC		0.008																		
2620725	Drill Core	7.25	0.236	1.9	1967.8	1.8	55	0.6	43.9	45.1	1256	6.92	7	0.3	0.6	381	0.1	0.5	<0.1	234	6.49
REP 2620725	QC			2.0	1982.4	1.8	55	0.6	43.0	46.5	1271	6.97	7	0.4	0.6	381	<0.1	0.5	<0.1	232	6.71
Core Reject Duplicates																					
2327501	Drill Core	5.77	0.012	0.1	106.0	1.4	23	<0.1	32.4	21.8	951	9.14	3	1.2	1.5	535	<0.1	2.4	<0.1	283	4.68
DUP 2327501	QC		0.014	<0.1	101.8	1.3	21	<0.1	31.9	21.6	933	8.87	2	1.2	1.4	505	<0.1	2.4	<0.1	273	4.49
2620656	Drill Core	6.77	0.022	6.2	271.9	2.0	29	<0.1	8.1	28.9	934	7.22	3	1.7	1.5	449	<0.1	0.3	<0.1	285	5.24
DUP 2620656	QC		0.030	6.2	269.0	1.9	31	<0.1	8.1	29.7	905	7.21	3	1.8	1.6	446	<0.1	0.3	<0.1	284	5.20
2620694	Drill Core	5.90	0.044	0.5	189.4	4.0	151	0.2	15.1	38.0	1051	5.18	3	0.8	1.0	460	0.3	0.5	<0.1	202	5.19
DUP 2620694	QC		0.056	0.7	197.5	4.5	136	0.1	15.9	41.7	1071	5.43	4	0.8	1.2	479	0.5	0.5	<0.1	205	4.99
2620734	Drill Core	4.68	0.184	3.2	1541.2	1.0	38	0.3	28.5	73.6	1431	7.27	6	1.4	1.3	361	<0.1	0.9	<0.1	215	6.39
DUP 2620734	QC		0.186	3.3	1589.9	1.0	36	0.2	28.9	69.9	1439	7.36	5	1.4	1.3	362	<0.1	1.0	<0.1	222	6.52
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard			2.7	36.9	25.9	50	<0.1	44.3	7.8	497	6.56	10	2.8	15.0	46	<0.1	0.7	0.4	163	0.27

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000338.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
2327493	Drill Core	0.032	2.9	113	4.84	451	0.664	6.51	1.241	0.75	1.1	13.8	7	0.8	9.4	0.6	<0.1	<1	44	16.4	<0.1
REP 2327493	QC																				
REP 2327501	QC	0.128	6.7	4	2.48	74	0.346	8.43	4.349	0.21	0.2	30.7	15	0.6	12.1	1.4	<0.1	<1	18	9.8	<0.1
2620654	Drill Core	0.129	6.1	6	2.05	60	0.418	8.74	3.264	0.14	0.3	46.9	16	1.0	13.2	1.6	<0.1	<1	21	6.0	0.2
REP 2620654	QC	0.128	6.7	7	2.07	61	0.435	8.94	3.260	0.14	0.3	46.6	16	0.8	12.9	1.5	<0.1	<1	22	5.9	0.2
2620666	Drill Core	0.108	8.5	30	2.48	762	0.378	7.83	2.929	1.06	0.6	32.9	21	1.6	14.3	1.1	<0.1	<1	24	10.3	0.5
REP 2620666	QC																				
2620685	Drill Core	0.134	6.3	15	2.67	276	0.398	8.44	3.857	0.60	0.4	39.5	17	0.9	14.2	1.4	<0.1	<1	24	9.9	0.3
REP 2620685	QC																				
2620689	Drill Core	0.075	6.4	123	3.65	469	0.451	8.44	2.479	1.00	0.2	18.8	14	0.4	11.6	0.9	<0.1	<1	30	15.9	0.2
REP 2620689	QC	0.075	6.2	117	3.51	462	0.448	8.22	2.406	0.97	0.2	19.2	14	0.5	12.1	1.0	<0.1	<1	30	18.0	0.2
2620707	Drill Core	0.082	5.0	148	3.69	222	0.432	7.79	2.612	0.57	0.5	23.9	13	0.8	12.4	0.9	<0.1	<1	33	12.0	0.3
REP 2620707	QC																				
2620725	Drill Core	0.065	5.9	85	2.75	195	0.406	8.51	2.924	0.48	0.5	22.2	13	0.6	11.8	0.7	<0.1	<1	22	12.7	0.4
REP 2620725	QC	0.059	6.2	87	2.78	193	0.403	8.68	2.981	0.48	0.5	23.3	13	0.5	12.4	0.7	<0.1	<1	22	12.2	0.4
Core Reject Duplicates																					
2327501	Drill Core	0.131	7.0	3	2.46	77	0.345	8.50	4.311	0.21	0.2	30.8	15	0.7	12.0	1.4	<0.1	<1	18	9.7	<0.1
DUP 2327501	QC	0.120	6.6	3	2.39	74	0.338	8.13	4.144	0.21	0.1	30.3	13	0.5	10.7	1.3	<0.1	<1	18	9.0	<0.1
2620656	Drill Core	0.129	6.2	11	2.56	225	0.421	8.72	3.732	0.59	0.3	43.6	16	1.1	13.9	1.5	<0.1	<1	24	8.8	0.1
DUP 2620656	QC	0.124	6.0	11	2.56	224	0.418	8.55	3.660	0.60	0.2	42.4	15	1.2	13.9	1.5	<0.1	<1	24	9.5	0.1
2620694	Drill Core	0.102	4.8	26	2.45	229	0.409	9.12	3.829	0.67	0.5	34.9	14	1.0	15.3	1.4	0.1	<1	18	12.3	0.2
DUP 2620694	QC	0.101	5.1	26	2.51	241	0.413	9.23	3.862	0.67	0.4	35.2	15	0.9	16.0	1.5	<0.1	<1	19	13.5	0.2
2620734	Drill Core	0.115	4.5	62	2.24	84	0.418	7.73	3.883	0.21	0.5	36.8	12	1.3	13.9	1.4	<0.1	<1	21	9.9	0.6
DUP 2620734	QC	0.119	4.2	60	2.27	83	0.411	7.86	3.937	0.21	0.6	37.2	12	1.0	13.8	1.3	<0.1	<1	22	10.9	0.6
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard	0.050	19.8	120	0.35	149	0.999	8.81	0.137	0.48	2.1	157.9	45	4.4	10.8	21.5	1.4	<1	13	38.6	<0.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000338.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
	Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
Pulp Duplicates									
2327493	Drill Core	16.6	0.5	<0.05	<0.005	<1	<0.5	<0.5	
REP 2327493	QC								
REP 2327501	QC	5.3	1.1	0.06	<0.005	<1	<0.5	<0.5	
2620654	Drill Core	3.6	1.5	<0.05	<0.005	<1	<0.5	<0.5	
REP 2620654	QC	4.0	1.5	<0.05	<0.005	<1	<0.5	<0.5	
2620666	Drill Core	22.9	1.2	<0.05	0.061	<1	0.8	<0.5	
REP 2620666	QC								
2620685	Drill Core	18.8	1.4	<0.05	0.059	<1	<0.5	<0.5	
REP 2620685	QC								
2620689	Drill Core	30.1	0.8	0.06	0.009	<1	1.4	<0.5	
REP 2620689	QC	30.5	0.7	<0.05	<0.005	<1	0.9	<0.5	
2620707	Drill Core	17.1	0.8	0.07	0.015	<1	0.7	<0.5	
REP 2620707	QC								
2620725	Drill Core	14.6	0.9	0.06	0.020	<1	0.6	<0.5	
REP 2620725	QC	15.1	0.8	0.07	0.014	<1	1.9	<0.5	
Core Reject Duplicates									
2327501	Drill Core	5.7	1.3	0.06	<0.005	<1	<0.5	<0.5	
DUP 2327501	QC	4.9	1.2	<0.05	<0.005	<1	<0.5	<0.5	
2620656	Drill Core	20.4	1.4	<0.05	<0.005	<1	<0.5	<0.5	
DUP 2620656	QC	21.0	1.1	<0.05	<0.005	<1	<0.5	<0.5	
2620694	Drill Core	16.4	1.3	0.06	0.029	<1	1.1	<0.5	
DUP 2620694	QC	17.8	1.2	0.07	0.034	<1	1.6	<0.5	
2620734	Drill Core	5.8	1.4	<0.05	0.055	<1	1.1	<0.5	
DUP 2620734	QC	5.9	1.3	<0.05	0.068	<1	1.4	<0.5	
Reference Materials									
STD OREAS132A	Standard								0.05
STD OREAS134B	Standard								0.13
STD OREAS25A-4A	Standard	57.7	4.4	0.08	<0.005	4	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000338.2

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS25A-4A	Standard			2.7	36.2	27.2	44	0.1	47.5	8.4	520	6.74	11	3.0	17.0	45	<0.1	0.6	0.5	166	0.30
STD OREAS25A-4A	Standard			2.7	35.4	25.6	39	<0.1	51.0	8.5	538	6.81	12	3.0	16.1	47	<0.1	0.6	0.4	169	0.29
STD OREAS25A-4A	Standard			2.4	33.9	26.5	47	<0.1	47.1	7.5	526	6.44	10	2.9	15.2	44	<0.1	0.6	0.4	158	0.29
STD OREAS25A-4A	Standard			2.5	35.6	25.4	46	<0.1	46.9	7.5	526	6.47	10	2.7	15.4	49	0.1	0.6	0.3	159	0.30
STD OREAS45E	Standard			2.8	833.4	19.6	53	0.4	501.4	62.9	593	25.90	17	2.5	13.5	12	<0.1	1.0	0.3	338	0.08
STD OREAS45E	Standard			2.4	799.2	19.2	42	0.4	496.5	59.9	588	25.36	18	2.5	13.7	12	<0.1	1.2	0.3	336	0.08
STD OREAS45E	Standard			3.0	807.5	17.8	46	0.2	496.3	61.0	588	25.01	16	2.5	13.3	17	<0.1	1.2	0.3	334	0.06
STD OREAS45E	Standard			2.5	778.5	19.9	54	0.3	489.3	60.4	641	25.45	17	2.4	13.6	14	<0.1	1.2	0.3	324	0.08
STD OREAS45E	Standard			2.7	776.9	19.1	47	0.4	491.0	59.5	631	25.45	20	2.5	13.0	13	0.2	1.2	0.3	328	0.09
STD OXD108	Standard		0.443																		
STD OXD108	Standard		0.411																		
STD OXD108	Standard		0.424																		
STD OXD108	Standard		0.412																		
STD OXI121	Standard		1.839																		
STD OXI121	Standard		1.839																		
STD OXI121	Standard		1.825																		
STD OXI121	Standard		1.795																		
STD OXN117	Standard		7.796																		
STD OXN117	Standard		7.680																		
STD OXN117	Standard		7.840																		
STD OXN117	Standard		7.751																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.005																		

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000338.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OREAS25A-4A	Standard	0.055	23.4	129	0.36	166	0.979	9.48	0.138	0.52	1.6	167.5	49	4.4	10.9	22.0	1.5	<1	14	43.5	<0.1
STD OREAS25A-4A	Standard	0.050	22.2	130	0.36	156	1.019	9.50	0.134	0.51	1.8	155.5	46	4.3	10.4	19.9	1.4	<1	14	42.5	<0.1
STD OREAS25A-4A	Standard	0.050	19.9	117	0.37	156	0.961	8.80	0.135	0.49	2.0	154.6	49	4.7	10.2	20.8	1.5	1	13	40.2	<0.1
STD OREAS25A-4A	Standard	0.052	21.6	121	0.37	157	0.961	8.97	0.137	0.49	1.8	150.0	50	3.8	10.4	19.5	1.3	<1	13	39.4	<0.1
STD OREAS45E	Standard	0.034	10.5	1116	0.17	257	0.545	6.67	0.058	0.35	1.0	97.5	25	1.2	8.3	6.8	0.5	<1	101	7.4	<0.1
STD OREAS45E	Standard	0.033	10.8	1047	0.16	267	0.571	7.14	0.058	0.34	1.1	101.9	25	1.3	7.6	5.9	0.5	<1	99	6.8	<0.1
STD OREAS45E	Standard	0.031	11.3	1010	0.17	253	0.572	7.02	0.055	0.32	0.9	89.1	22	1.3	7.6	5.7	0.5	<1	99	7.1	<0.1
STD OREAS45E	Standard	0.034	11.3	1048	0.18	273	0.524	6.89	0.062	0.35	1.2	98.8	26	1.4	8.4	6.4	0.6	<1	96	6.5	<0.1
STD OREAS45E	Standard	0.033	10.6	1053	0.18	263	0.534	6.96	0.063	0.33	1.1	100.9	26	1.1	7.8	6.5	0.6	<1	96	7.2	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000338.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
STD OREAS25A-4A	Standard	61.9	4.4	0.12	<0.005	1	<0.5	<0.5	
STD OREAS25A-4A	Standard	58.6	4.3	0.10	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	57.5	4.3	0.11	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	59.1	4.5	0.12	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	22.5	2.9	0.14	<0.005	1	<0.5	<0.5	
STD OREAS45E	Standard	19.8	3.0	0.16	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	20.0	2.7	0.11	<0.005	1	<0.5	<0.5	
STD OREAS45E	Standard	21.5	2.8	0.10	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	20.6	3.0	0.05	<0.005	3	<0.5	<0.5	
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXD108 Expected									
STD OXN117 Expected									
STD OXI121 Expected									
STD OREAS25A-4A		61	4.53					0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	
STD OREAS132A Expected									0.0458
STD OREAS134B Expected									0.1348
BLK	Blank								

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000338.2

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	0.1	<0.2	<1	<0.01	2	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.5	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	0.2	<1	<0.01
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank		<0.005	0.1	5.8	20.2	51	<0.1	3.1	4.8	807	2.34	1	2.7	9.5	761	<0.1	<0.1	0.2	49	2.29
G1-SMI	Prep Blank		<0.005	0.3	4.9	20.6	56	<0.1	3.7	4.2	757	2.23	1	3.1	9.7	753	<0.1	<0.1	0.1	48	2.24

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000338.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.2	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.3	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.4	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.3	<0.1
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	0.080	25.5	7	0.57	991	0.253	7.56	2.800	3.22	0.1	11.4	49	1.5	13.7	22.9	1.2	2	5	38.4	<0.1
G1-SMI	Prep Blank	0.079	25.4	7	0.54	1053	0.245	7.32	2.759	3.16	0.2	11.3	51	1.5	14.2	23.6	1.3	3	5	39.0	<0.1

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Bureau Veritas Commodities Canada Ltd.
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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000338.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								<0.01
Prep Wash									
G1-SMI	Prep Blank	114.9	0.6	<0.05	<0.005	<1	<0.5	0.9	
G1-SMI	Prep Blank	111.3	0.6	<0.05	<0.005	<1	<0.5	1.0	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Farshad Shirvani
Receiving Lab: Canada-Smithers
Received: June 26, 2014
Report Date: September 25, 2014
Page: 1 of 3

CERTIFICATE OF ANALYSIS SMI14000339.2

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 56

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	56	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	56	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	56	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA404	2	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : MA404-Cu included.

Invoice To: Doubleview Capital Corp.
310-675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Email Distribution List

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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All results are considered the confidential property of the client. Acme 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.

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000339.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620736	Drill Core	6.92	0.070	4.0	717.7	0.9	37	<0.1	48.0	49.6	1192	8.56	4	0.6	0.9	490	<0.1	0.4	<0.1	276	5.42
2620737	Drill Core	5.27	0.306	1.1	3664.4	1.4	33	0.6	31.0	148.0	994	8.63	4	1.8	1.4	329	0.1	0.8	<0.1	229	4.50
2620738	Drill Core	7.36	0.067	2.2	932.4	1.0	23	0.2	7.1	17.4	620	6.45	3	1.4	1.6	264	<0.1	0.3	<0.1	233	4.58
2620739	Drill Core	6.45	0.078	0.3	1397.3	1.1	43	0.2	30.2	42.5	1151	8.66	7	1.4	1.3	384	0.2	0.5	<0.1	251	5.34
2620740	Drill Core	6.54	0.103	0.3	1136.7	1.6	46	0.2	43.1	40.8	1233	9.33	10	0.8	1.2	426	<0.1	0.3	<0.1	282	5.72
2620741	Drill Core	5.00	0.071	1.1	626.2	1.7	52	0.2	35.2	34.5	1122	7.30	4	0.9	1.6	390	0.1	0.4	<0.1	246	5.17
2620742	Drill Core	4.23	0.191	0.4	808.5	2.0	44	0.2	35.0	51.8	1238	7.67	6	0.8	1.3	465	<0.1	0.6	<0.1	243	5.49
2620743	Drill Core	5.35	0.076	0.9	1473.4	1.1	40	0.2	28.3	80.1	1208	7.60	4	0.9	1.5	423	0.1	0.8	<0.1	217	4.63
2620744	Drill Core	4.33	0.148	0.9	1655.9	1.0	37	0.2	43.4	55.6	1417	9.00	7	0.7	1.1	510	<0.1	1.0	<0.1	273	5.89
2620745	Drill Core	4.24	0.527	0.5	7588.6	2.8	47	0.5	60.5	142.5	1488	12.08	14	0.8	1.1	393	<0.1	0.9	0.1	243	4.75
2620746	Drill Core	6.37	0.328	7.3	4325.0	3.1	45	0.5	51.6	103.1	1073	9.99	9	0.7	1.1	462	<0.1	0.9	<0.1	240	5.67
2620747	Drill Core	6.62	0.152	3.3	3199.9	1.2	31	0.2	39.7	46.2	931	9.09	3	0.8	1.1	499	<0.1	0.4	<0.1	249	5.81
2620748	Drill Core	3.51	0.169	1.2	3376.0	1.6	57	0.3	49.1	48.6	1573	11.55	4	0.6	0.8	592	<0.1	2.2	<0.1	279	6.05
2620749	Drill Core	4.90	0.130	0.5	2487.9	1.1	52	0.2	40.1	43.7	1262	11.56	8	0.8	1.0	385	<0.1	0.9	<0.1	324	5.18
2620750	Drill Core	4.74	0.241	1.8	4245.5	1.8	52	0.4	43.3	63.1	1176	9.99	19	0.8	1.2	287	<0.1	0.6	<0.1	295	4.53
2620751	Drill Core	4.21	0.322	5.0	3923.2	3.2	55	0.5	64.4	108.5	1331	12.28	43	1.1	2.2	363	<0.1	1.4	<0.1	293	4.56
2620752	Drill Core	5.87	0.125	1.4	1015.5	2.1	33	0.1	26.1	43.3	912	7.61	10	1.6	1.3	558	<0.1	1.7	<0.1	258	6.54
2620753	Drill Core	6.49	0.063	1.1	715.8	1.3	37	<0.1	55.1	69.9	1460	8.56	9	0.9	1.3	798	<0.1	2.7	<0.1	271	6.58
2620754	Drill Core	7.56	0.260	<0.1	1888.9	1.3	43	0.2	66.5	53.3	1322	8.78	11	0.7	1.2	504	<0.1	1.4	<0.1	280	6.10
2620755	Drill Core	7.12	0.188	<0.1	831.8	0.9	44	<0.1	54.7	49.3	1144	7.77	7	0.7	1.4	323	<0.1	0.6	<0.1	267	6.01
2620756	Drill Core	7.91	0.264	<0.1	1051.6	1.2	45	0.2	50.5	51.3	1265	8.22	9	0.8	1.7	415	<0.1	1.0	<0.1	276	6.24
2620757	Drill Core	4.81	0.255	1.1	2522.9	1.6	46	0.2	66.1	106.6	1291	9.85	9	0.6	2.0	309	<0.1	0.6	<0.1	283	5.47
2620758	Drill Core	4.05	1.769	38.2	>10000	24.6	57	2.3	582.7	2293.7	1744	33.58	71	0.6	0.5	164	<0.1	1.2	1.3	216	1.75
2620759	Drill Core	4.97	2.375	0.2	4030.0	2.0	62	0.5	69.5	101.6	2272	14.56	13	0.8	1.2	478	<0.1	1.4	<0.1	264	4.39
2620760	Drill Core	3.63	2.189	0.7	7933.8	2.2	51	0.9	60.3	102.0	1391	16.40	4	0.7	0.9	443	<0.1	0.8	0.1	250	4.12
2620761	Drill Core	8.11	0.148	0.4	1573.5	1.2	20	<0.1	19.5	26.9	570	6.58	6	1.7	1.6	346	<0.1	0.4	<0.1	271	5.02
2620762	Drill Core	6.54	0.120	0.6	1063.6	1.0	16	0.1	20.9	26.6	476	6.14	4	1.6	1.5	307	<0.1	0.4	<0.1	254	4.69
2620763	Drill Core	8.14	0.096	0.5	1693.2	0.7	22	<0.1	22.9	30.3	571	6.71	4	1.6	1.6	265	<0.1	0.4	<0.1	258	4.51
2620764	Drill Core	8.03	0.117	0.5	1892.1	0.9	16	0.1	20.6	35.8	481	6.97	6	1.6	1.4	348	0.1	0.4	<0.1	264	4.68
2620765	Drill Core	6.50	0.166	0.2	1721.7	0.9	22	0.2	24.6	47.0	795	7.44	10	1.4	1.3	407	<0.1	0.7	<0.1	254	3.72

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Bureau Veritas Commodities Canada Ltd.
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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000339.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620736	Drill Core	0.102	6.3	143	4.08	460	0.458	8.20	2.759	0.98	0.5	26.2	14	0.8	13.0	0.9	<0.1	<1	33	11.0	0.3
2620737	Drill Core	0.125	6.2	33	2.28	95	0.391	7.99	4.053	0.22	1.1	41.3	16	1.6	13.9	1.5	0.1	<1	19	9.9	1.4
2620738	Drill Core	0.153	4.4	2	1.91	75	0.467	8.62	4.906	0.14	0.3	44.8	13	1.3	14.1	1.7	<0.1	<1	18	11.4	0.2
2620739	Drill Core	0.125	4.9	99	3.08	178	0.482	8.39	3.550	0.39	0.4	35.0	13	1.2	14.0	1.3	0.1	<1	28	14.3	0.3
2620740	Drill Core	0.089	5.3	134	3.75	408	0.436	7.73	3.106	0.83	0.4	30.2	13	1.2	13.9	1.1	<0.1	<1	33	11.9	0.4
2620741	Drill Core	0.133	7.0	86	3.25	813	0.405	8.40	3.020	1.88	1.2	40.2	17	0.7	13.7	1.4	<0.1	<1	25	13.9	0.2
2620742	Drill Core	0.117	7.0	60	3.15	250	0.442	8.23	3.469	0.70	4.6	26.1	16	1.1	15.0	1.2	<0.1	<1	23	13.2	0.4
2620743	Drill Core	0.138	6.7	77	3.01	720	0.367	8.20	3.062	1.57	0.8	38.2	16	1.3	13.5	1.2	<0.1	<1	21	11.9	0.6
2620744	Drill Core	0.094	4.7	134	3.85	495	0.421	7.93	2.696	0.96	0.4	25.5	12	0.7	12.0	0.9	<0.1	<1	31	13.8	0.5
2620745	Drill Core	0.090	4.9	88	3.43	670	0.376	7.66	2.640	1.24	1.2	20.6	12	1.0	11.6	0.9	<0.1	<1	23	14.8	1.8
2620746	Drill Core	0.067	5.3	99	3.43	592	0.416	8.18	2.692	0.88	0.4	20.4	13	0.8	12.1	0.9	<0.1	<1	28	15.2	1.2
2620747	Drill Core	0.077	4.9	79	3.31	371	0.437	8.47	2.988	0.92	0.4	23.3	13	0.8	12.2	1.0	<0.1	<1	28	14.0	0.6
2620748	Drill Core	0.079	3.9	173	4.06	225	0.365	7.48	2.287	0.55	0.2	20.9	10	1.0	11.1	0.8	<0.1	<1	30	11.5	0.6
2620749	Drill Core	0.064	3.8	113	3.83	500	0.419	8.08	2.645	1.13	0.4	21.5	11	1.4	12.8	0.9	<0.1	<1	28	13.7	0.5
2620750	Drill Core	0.128	5.1	70	3.29	255	0.454	8.14	3.376	0.57	0.5	23.0	14	0.9	12.8	1.0	<0.1	<1	26	15.5	0.9
2620751	Drill Core	0.231	9.0	114	3.99	58	0.492	7.84	3.224	0.28	0.5	24.3	21	1.2	15.9	1.3	<0.1	<1	31	17.1	1.4
2620752	Drill Core	0.112	5.5	48	2.62	23	0.392	8.38	3.551	0.09	0.4	30.6	14	1.0	13.4	1.3	<0.1	<1	26	8.1	0.4
2620753	Drill Core	0.099	6.4	139	3.83	156	0.450	8.51	2.910	0.48	0.8	24.2	15	0.9	12.9	1.0	<0.1	<1	35	12.2	0.6
2620754	Drill Core	0.116	6.8	164	4.13	229	0.433	8.16	2.732	0.52	0.6	20.2	15	0.7	11.7	1.0	<0.1	<1	36	18.9	0.6
2620755	Drill Core	0.103	6.6	137	3.99	223	0.453	8.37	2.976	0.60	0.4	22.2	15	0.9	11.6	1.1	<0.1	<1	36	19.7	0.4
2620756	Drill Core	0.110	5.5	145	4.02	298	0.445	8.24	2.773	0.74	0.4	24.2	15	0.9	12.3	1.2	<0.1	<1	34	15.8	0.4
2620757	Drill Core	0.175	5.9	198	4.40	640	0.435	7.68	2.573	1.08	0.4	21.0	16	1.0	12.5	1.0	<0.1	<1	38	16.2	1.2
2620758	Drill Core	0.071	24.4	55	1.92	144	0.168	3.82	0.250	1.27	0.3	7.4	30	0.5	4.7	0.3	<0.1	<1	11	13.1	>10
2620759	Drill Core	0.121	3.5	138	3.50	1034	0.366	7.35	1.138	3.32	0.3	19.6	11	1.0	13.5	1.2	<0.1	<1	28	17.5	1.3
2620760	Drill Core	0.081	2.5	99	2.93	117	0.319	7.31	1.106	3.07	0.3	17.9	8	0.9	10.8	0.9	<0.1	<1	23	20.0	1.5
2620761	Drill Core	0.111	6.1	8	2.25	179	0.410	8.80	4.357	0.55	0.2	41.8	14	0.9	11.6	1.5	<0.1	<1	24	11.5	0.3
2620762	Drill Core	0.103	5.3	4	2.28	151	0.388	8.59	4.244	0.54	0.2	41.8	13	0.9	12.6	1.5	<0.1	<1	22	9.8	0.2
2620763	Drill Core	0.120	5.2	5	2.33	223	0.407	8.60	4.395	0.69	0.1	38.7	13	0.8	10.7	1.4	<0.1	<1	24	10.8	0.3
2620764	Drill Core	0.121	5.5	5	2.51	188	0.424	8.81	4.282	0.62	0.1	38.4	13	1.0	10.5	1.4	<0.1	<1	25	9.2	0.3
2620765	Drill Core	0.112	4.0	4	2.40	368	0.400	8.37	4.306	0.68	0.3	35.5	11	0.7	8.4	1.3	<0.1	1	22	12.6	0.4

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000339.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620736	Drill Core	25.2	0.8	0.11	0.034	<1	<0.5	<0.5	
2620737	Drill Core	6.0	1.6	0.11	0.174	<1	<0.5	<0.5	
2620738	Drill Core	1.4	1.6	<0.05	0.006	<1	<0.5	<0.5	
2620739	Drill Core	10.7	1.4	0.08	<0.005	<1	<0.5	<0.5	
2620740	Drill Core	22.7	1.1	<0.05	0.026	<1	1.0	<0.5	
2620741	Drill Core	34.9	1.4	<0.05	<0.005	<1	0.6	<0.5	
2620742	Drill Core	22.6	1.0	0.08	0.007	<1	0.6	<0.5	
2620743	Drill Core	28.9	1.2	<0.05	0.060	<1	<0.5	<0.5	
2620744	Drill Core	24.6	1.0	0.08	0.038	<1	<0.5	<0.5	
2620745	Drill Core	27.9	0.7	<0.05	0.196	<1	<0.5	<0.5	
2620746	Drill Core	25.3	0.7	0.05	0.065	<1	<0.5	<0.5	
2620747	Drill Core	29.2	0.8	0.07	0.049	<1	<0.5	<0.5	
2620748	Drill Core	13.2	0.7	0.07	0.020	<1	<0.5	<0.5	
2620749	Drill Core	29.9	0.8	0.06	0.009	<1	<0.5	<0.5	
2620750	Drill Core	16.5	0.6	0.06	0.025	2	<0.5	<0.5	
2620751	Drill Core	5.5	0.9	<0.05	0.025	<1	<0.5	<0.5	
2620752	Drill Core	1.5	1.0	0.06	0.006	<1	<0.5	<0.5	
2620753	Drill Core	14.4	1.0	0.17	0.008	1	<0.5	<0.5	
2620754	Drill Core	16.9	0.7	0.08	<0.005	<1	<0.5	<0.5	
2620755	Drill Core	17.8	0.8	0.06	0.013	<1	<0.5	<0.5	
2620756	Drill Core	24.4	0.8	0.11	<0.005	<1	<0.5	<0.5	
2620757	Drill Core	28.2	0.7	0.07	0.023	<1	<0.5	<0.5	
2620758	Drill Core	23.8	0.3	<0.05	0.623	28	1.7	<0.5	1.02
2620759	Drill Core	73.5	0.7	0.18	<0.005	3	<0.5	0.6	
2620760	Drill Core	64.7	0.6	<0.05	0.006	3	<0.5	<0.5	
2620761	Drill Core	19.8	1.7	<0.05	<0.005	<1	<0.5	<0.5	
2620762	Drill Core	14.7	1.4	<0.05	<0.005	<1	<0.5	<0.5	
2620763	Drill Core	18.0	1.4	<0.05	<0.005	2	<0.5	<0.5	
2620764	Drill Core	17.7	1.4	<0.05	<0.005	<1	<0.5	<0.5	
2620765	Drill Core	12.8	1.2	<0.05	<0.005	<1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000339.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620766	Drill Core	6.73	0.107	0.3	1403.4	0.9	16	0.1	20.5	31.8	524	6.61	6	1.6	1.4	344	<0.1	0.4	<0.1	251	4.51
2620767	Drill Core	5.68	0.134	0.2	1672.9	0.9	19	0.1	22.9	44.7	842	6.87	7	1.6	1.4	413	<0.1	1.2	<0.1	212	3.96
2620768	Drill Core	5.95	0.482	0.5	6890.0	2.2	37	0.7	72.8	105.5	1291	10.18	13	1.1	1.1	688	<0.1	2.2	<0.1	261	5.45
2620769	Drill Core	4.24	1.906	0.3	>10000	4.1	43	2.6	158.4	199.1	1113	15.76	<1	0.6	0.8	321	0.2	0.6	0.6	224	4.52
2620770	Drill Core	4.97	0.329	0.2	4862.9	1.5	43	0.7	64.2	37.3	1379	9.59	5	0.6	1.0	553	<0.1	1.5	<0.1	219	4.19
2620771	Drill Core	5.57	0.690	0.8	7040.7	3.6	32	0.9	82.7	108.0	1325	13.33	11	0.9	1.0	765	<0.1	3.8	0.2	277	6.52
2620772	Drill Core	5.00	0.287	0.2	2518.0	3.2	42	0.4	65.8	96.1	1476	11.25	16	1.3	1.5	381	<0.1	2.7	<0.1	250	3.94
2620773	Drill Core	5.51	0.465	0.2	4323.6	5.8	56	0.6	71.4	109.9	1728	12.75	10	1.1	1.2	595	<0.1	4.6	0.1	297	6.08
2620774	Drill Core	4.92	0.281	0.5	2758.0	3.9	103	0.5	56.0	58.2	1922	10.68	10	0.6	0.7	408	0.2	3.2	<0.1	351	6.61
2620775	Drill Core	5.81	0.309	0.4	3181.2	3.1	61	0.6	44.3	65.0	1577	10.35	19	0.6	0.7	292	<0.1	2.5	<0.1	348	6.77
2620776	Drill Core	5.84	0.263	0.5	2868.8	2.3	81	0.4	110.4	67.2	1310	11.30	18	0.8	1.2	163	<0.1	3.6	<0.1	337	8.44
2620777	Drill Core	4.99	0.032	2.5	546.9	1.3	40	0.1	21.3	26.5	654	6.62	6	2.3	2.6	159	<0.1	1.1	<0.1	182	5.56
2620778	Drill Core	5.76	0.086	2.0	1148.5	1.3	61	0.2	44.1	42.7	863	9.18	8	1.7	2.0	229	<0.1	0.8	<0.1	237	3.50
2620779	Drill Core	6.24	0.012	1.1	205.3	0.9	44	<0.1	10.0	27.0	611	6.69	5	1.6	2.4	183	<0.1	0.5	<0.1	210	3.46
2620780	Drill Core	5.61	0.194	0.8	1770.4	2.1	69	0.2	33.2	51.4	1055	8.62	6	1.6	1.7	355	<0.1	1.5	<0.1	242	4.48
2620781	Drill Core	2.99	0.240	0.4	2757.4	3.3	100	0.5	57.1	74.1	1198	11.80	8	1.1	1.0	371	<0.1	1.3	<0.1	347	4.97
2620782	Drill Core	4.70	0.146	0.5	2083.2	2.3	92	0.4	46.5	67.9	900	9.60	8	1.0	1.0	260	0.1	0.5	<0.1	305	4.55
2620783	Drill Core	5.38	0.192	0.8	2076.4	1.7	507	0.4	74.8	66.1	1207	10.45	5	0.6	0.6	332	2.9	0.7	<0.1	340	5.53
2620784	Drill Core	5.13	0.444	18.1	5153.6	2.1	56	0.8	82.2	70.6	1378	13.26	3	0.8	0.8	260	<0.1	0.7	<0.1	328	6.42
2620785	Drill Core	6.67	0.214	3.5	1733.2	3.1	47	0.4	75.6	95.5	1211	11.66	4	0.7	0.7	240	0.1	0.7	<0.1	422	6.36
2620786	Drill Core	6.17	0.200	1.2	1954.3	3.4	42	0.3	68.7	85.2	1082	11.86	6	0.7	0.8	416	<0.1	1.5	<0.1	466	6.01
2620787	Drill Core	5.77	0.247	6.3	1769.2	2.2	32	0.2	69.2	66.8	1133	11.28	3	0.9	0.7	361	<0.1	0.9	<0.1	286	4.62
2620788	Drill Core	1.49	0.104	3.0	1112.5	1.6	39	0.2	75.6	59.9	1390	12.25	3	0.8	0.8	248	<0.1	0.9	<0.1	359	5.87
2620789	Drill Core	6.73	0.219	1.6	2441.8	2.8	35	0.4	91.6	84.4	1455	11.67	4	0.7	0.6	384	<0.1	2.1	<0.1	358	6.70
2620790	Drill Core	6.29	0.468	0.9	5768.6	4.5	41	0.7	169.5	236.2	1197	12.27	2	0.7	0.7	374	0.2	1.0	<0.1	472	5.81
2620956 DUP of 2620750	Drill Core		0.262	1.8	4459.6	2.1	59	0.4	48.3	68.4	1294	10.83	21	1.1	1.3	287	<0.1	0.8	<0.1	309	4.88

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Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000339.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620766	Drill Core	0.104	5.4	4	2.36	175	0.402	8.65	4.385	0.59	0.1	38.4	13	1.0	11.1	1.4	<0.1	<1	24	10.0	0.3
2620767	Drill Core	0.117	4.7	4	2.42	138	0.376	8.55	4.563	0.35	0.2	37.9	12	1.0	9.6	1.4	<0.1	1	22	10.7	0.4
2620768	Drill Core	0.109	5.2	99	3.29	767	0.357	7.96	2.693	1.00	0.4	23.0	11	1.2	11.0	1.0	<0.1	1	26	13.6	1.5
2620769	Drill Core	0.111	3.2	26	2.52	41	0.317	7.20	1.413	2.27	0.2	13.8	9	1.0	9.7	0.7	<0.1	<1	18	17.6	5.4
2620770	Drill Core	0.099	4.4	38	2.15	461	0.346	9.11	3.233	0.90	0.3	11.6	12	1.2	9.7	0.9	<0.1	<1	13	27.2	0.8
2620771	Drill Core	0.088	3.9	66	2.09	412	0.336	7.91	2.277	0.78	0.4	15.6	10	1.1	10.0	0.9	<0.1	1	16	13.6	1.7
2620772	Drill Core	0.095	4.8	66	2.95	102	0.441	7.19	3.120	0.25	0.5	29.8	13	0.9	12.8	1.2	<0.1	1	25	15.7	0.9
2620773	Drill Core	0.092	5.2	85	3.23	129	0.404	7.72	2.111	0.30	0.8	24.0	13	1.1	12.2	1.0	<0.1	<1	27	16.7	1.3
2620774	Drill Core	0.099	3.7	120	3.89	318	0.477	6.90	1.861	0.75	0.7	14.2	9	1.0	11.9	0.5	<0.1	<1	38	21.0	0.8
2620775	Drill Core	0.115	4.5	57	3.16	261	0.471	7.54	2.310	0.67	0.5	14.1	11	1.0	10.7	0.5	<0.1	<1	33	18.0	0.9
2620776	Drill Core	0.104	3.8	329	4.28	71	0.388	6.84	1.970	0.26	0.5	24.6	10	1.0	12.3	0.9	<0.1	<1	30	21.1	0.8
2620777	Drill Core	0.170	5.8	9	1.75	285	0.374	8.53	4.210	1.28	0.5	56.0	15	0.7	15.2	1.7	<0.1	<1	15	13.4	0.2
2620778	Drill Core	0.155	8.3	64	2.68	306	0.412	8.46	4.146	0.90	0.5	49.9	18	0.9	15.2	1.5	<0.1	<1	24	13.5	0.4
2620779	Drill Core	0.163	5.8	4	1.73	464	0.397	8.68	4.561	1.79	0.5	63.6	17	0.7	14.8	1.8	0.1	<1	16	11.5	0.1
2620780	Drill Core	0.128	4.8	93	2.69	418	0.392	8.34	3.668	1.23	0.4	40.8	13	1.0	14.7	1.2	<0.1	<1	27	12.5	0.5
2620781	Drill Core	0.077	4.7	154	3.78	1144	0.494	7.50	2.473	1.31	0.3	26.3	15	1.4	17.6	1.1	<0.1	<1	36	15.1	0.8
2620782	Drill Core	0.097	4.6	101	3.21	375	0.416	8.01	3.730	0.53	0.3	31.0	12	0.9	12.5	1.0	<0.1	<1	30	14.2	0.6
2620783	Drill Core	0.068	3.3	181	4.36	447	0.495	7.27	2.489	0.82	0.3	20.8	9	0.9	13.0	0.8	<0.1	<1	36	15.9	0.6
2620784	Drill Core	0.061	5.9	195	3.95	512	0.456	7.00	1.622	0.95	0.4	20.0	12	1.2	12.3	0.8	<0.1	<1	34	17.6	1.0
2620785	Drill Core	0.128	4.1	104	3.45	162	0.454	7.18	2.519	0.31	0.5	19.7	10	1.0	12.6	0.9	<0.1	<1	31	16.6	1.0
2620786	Drill Core	0.090	4.9	105	3.45	259	0.440	7.49	2.451	0.41	0.4	19.4	12	1.0	13.6	0.9	<0.1	<1	33	20.8	0.9
2620787	Drill Core	0.086	4.3	116	3.07	419	0.386	7.83	3.331	0.69	0.4	23.1	11	1.1	11.7	0.9	<0.1	<1	25	17.6	0.8
2620788	Drill Core	0.063	4.8	193	4.14	179	0.492	7.05	2.287	0.43	0.6	25.6	11	1.1	13.2	0.9	<0.1	<1	39	23.4	0.6
2620789	Drill Core	0.074	4.6	165	3.81	153	0.473	7.59	1.994	0.39	0.6	20.5	10	1.0	12.9	0.9	<0.1	<1	34	16.8	1.0
2620790	Drill Core	0.167	7.5	56	3.19	88	0.445	7.82	2.033	1.16	0.5	14.3	15	1.0	13.6	0.8	<0.1	<1	18	18.0	3.3
2620956 DUP of 2620750	Drill Core	0.141	6.2	74	3.22	264	0.462	8.38	3.107	0.57	0.5	24.0	16	1.2	15.9	1.0	<0.1	<1	28	17.1	1.0

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

CERTIFICATE OF ANALYSIS SMI14000339.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620766	Drill Core	19.4	1.4	<0.05	<0.005	<1	<0.5	<0.5	
2620767	Drill Core	7.4	1.4	<0.05	<0.005	<1	<0.5	<0.5	
2620768	Drill Core	23.6	0.8	0.18	0.008	3	<0.5	<0.5	
2620769	Drill Core	52.6	0.5	0.37	0.005	23	0.6	<0.5	2.93
2620770	Drill Core	29.3	0.4	0.06	0.005	4	<0.5	<0.5	
2620771	Drill Core	18.7	0.5	0.10	0.010	6	0.7	<0.5	
2620772	Drill Core	4.7	1.1	0.05	<0.005	3	0.6	<0.5	
2620773	Drill Core	6.3	0.8	0.07	0.006	4	0.8	<0.5	
2620774	Drill Core	15.8	0.5	0.08	0.009	2	1.5	<0.5	
2620775	Drill Core	16.1	0.5	0.09	0.010	1	0.5	<0.5	
2620776	Drill Core	4.1	0.8	<0.05	0.008	2	0.9	<0.5	
2620777	Drill Core	22.4	1.9	<0.05	0.012	<1	0.9	<0.5	
2620778	Drill Core	17.2	1.7	<0.05	0.010	<1	0.7	<0.5	
2620779	Drill Core	29.6	2.0	<0.05	0.006	1	<0.5	<0.5	
2620780	Drill Core	23.1	1.4	0.08	0.010	1	0.9	<0.5	
2620781	Drill Core	30.6	0.9	0.08	<0.005	2	<0.5	<0.5	
2620782	Drill Core	14.7	1.2	<0.05	0.006	2	0.7	<0.5	
2620783	Drill Core	21.9	0.9	0.08	0.006	2	<0.5	<0.5	
2620784	Drill Core	21.7	0.8	0.07	0.036	2	0.7	<0.5	
2620785	Drill Core	6.9	0.7	0.12	0.019	3	1.2	<0.5	
2620786	Drill Core	11.5	0.9	<0.05	0.008	3	0.6	<0.5	
2620787	Drill Core	17.7	0.9	0.07	0.028	1	<0.5	<0.5	
2620788	Drill Core	9.0	0.9	0.08	0.015	<1	0.7	<0.5	
2620789	Drill Core	10.0	0.8	0.08	0.016	3	1.1	<0.5	
2620790	Drill Core	32.1	0.6	0.08	0.008	9	<0.5	<0.5	
2620956 DUP of 2620750	Drill Core	15.6	0.9	0.07	0.037	2	0.5	<0.5	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000339.2

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
2620742	Drill Core	4.23	0.191	0.4	808.5	2.0	44	0.2	35.0	51.8	1238	7.67	6	0.8	1.3	465	<0.1	0.6	<0.1	243	5.49
REP 2620742	QC			0.5	855.1	1.9	47	0.2	38.9	54.0	1357	8.25	6	0.8	1.3	511	<0.1	0.6	<0.1	247	5.89
2620749	Drill Core	4.90	0.130	0.5	2487.9	1.1	52	0.2	40.1	43.7	1262	11.56	8	0.8	1.0	385	<0.1	0.9	<0.1	324	5.18
REP 2620749	QC		0.116																		
REP 2620762	QC		0.108																		
2620769	Drill Core	4.24	1.906	0.3	>10000	4.1	43	2.6	158.4	199.1	1113	15.76	<1	0.6	0.8	321	0.2	0.6	0.6	224	4.52
REP 2620769	QC																				
2620772	Drill Core	5.00	0.287	0.2	2518.0	3.2	42	0.4	65.8	96.1	1476	11.25	16	1.3	1.5	381	<0.1	2.7	<0.1	250	3.94
REP 2620772	QC			0.2	2769.7	3.7	44	0.5	66.9	98.0	1583	11.84	17	1.5	1.5	398	<0.1	2.7	<0.1	266	4.24
REP 2620789	QC		0.208																		
Core Reject Duplicates																					
2620762	Drill Core	6.54	0.120	0.6	1063.6	1.0	16	0.1	20.9	26.6	476	6.14	4	1.6	1.5	307	<0.1	0.4	<0.1	254	4.69
DUP 2620762	QC		0.107	0.2	1067.1	0.9	17	<0.1	19.1	27.9	499	6.32	4	1.6	1.5	319	<0.1	0.4	<0.1	264	4.61
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard			2.5	31.6	26.7	41	<0.1	48.8	7.8	520	6.37	12	2.9	15.9	44	<0.1	0.6	0.4	153	0.29
STD OREAS25A-4A	Standard			2.6	39.1	27.7	48	0.1	49.1	8.0	506	6.78	9	3.1	18.2	48	0.1	0.6	0.4	164	0.28
STD OREAS25A-4A	Standard			2.7	39.0	28.2	50	<0.1	48.9	8.3	500	6.69	10	2.9	15.7	46	0.1	0.6	0.4	165	0.27
STD OREAS25A-4A	Standard			2.5	38.0	24.7	46	<0.1	47.1	7.7	484	6.53	10	2.7	15.5	39	0.1	0.7	0.3	159	0.30
STD OREAS45E	Standard			2.3	775.0	18.4	42	0.3	478.9	59.2	590	25.97	18	2.5	13.9	12	<0.1	1.0	0.3	319	0.06
STD OREAS45E	Standard			2.5	796.3	22.4	48	0.4	481.8	59.8	565	26.62	16	2.8	15.1	17	<0.1	1.1	0.3	352	0.07
STD OREAS45E	Standard			2.3	774.0	19.2	53	0.4	491.4	61.7	551	26.37	16	2.6	13.6	16	<0.1	1.0	0.3	327	0.07
STD OREAS45E	Standard			2.6	781.7	18.5	44	0.3	485.1	59.4	580	25.13	17	2.4	12.9	14	0.1	1.0	0.2	323	0.08
STD OXD108	Standard		0.409																		
STD OXD108	Standard		0.424																		
STD OXD108	Standard		0.427																		
STD OXI121	Standard		1.824																		

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000339.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
2620742	Drill Core	0.117	7.0	60	3.15	250	0.442	8.23	3.469	0.70	4.6	26.1	16	1.1	15.0	1.2	<0.1	<1	23	13.2	0.4
REP 2620742	QC	0.125	7.5	65	3.43	267	0.485	8.89	3.767	0.77	4.9	27.5	18	1.1	16.4	1.3	<0.1	<1	23	14.1	0.4
2620749	Drill Core	0.064	3.8	113	3.83	500	0.419	8.08	2.645	1.13	0.4	21.5	11	1.4	12.8	0.9	<0.1	<1	28	13.7	0.5
REP 2620749	QC																				
REP 2620762	QC																				
2620769	Drill Core	0.111	3.2	26	2.52	41	0.317	7.20	1.413	2.27	0.2	13.8	9	1.0	9.7	0.7	<0.1	<1	18	17.6	5.4
REP 2620769	QC																				
2620772	Drill Core	0.095	4.8	66	2.95	102	0.441	7.19	3.120	0.25	0.5	29.8	13	0.9	12.8	1.2	<0.1	1	25	15.7	0.9
REP 2620772	QC	0.098	4.7	68	3.12	102	0.430	7.68	3.302	0.27	0.6	30.8	13	1.0	13.7	1.2	<0.1	<1	27	14.7	1.0
REP 2620789	QC																				
Core Reject Duplicates																					
2620762	Drill Core	0.103	5.3	4	2.28	151	0.388	8.59	4.244	0.54	0.2	41.8	13	0.9	12.6	1.5	<0.1	<1	22	9.8	0.2
DUP 2620762	QC	0.119	5.2	5	2.32	150	0.418	8.79	4.343	0.57	0.1	42.7	13	0.9	13.2	1.5	<0.1	1	23	9.2	0.2
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard	0.052	22.2	121	0.34	151	0.927	8.90	0.124	0.48	1.8	149.0	47	3.5	9.9	18.9	1.4	<1	13	41.0	<0.1
STD OREAS25A-4A	Standard	0.050	25.0	124	0.39	162	0.990	9.89	0.144	0.47	1.8	144.6	52	3.9	11.7	20.0	1.5	<1	14	41.3	<0.1
STD OREAS25A-4A	Standard	0.052	21.7	109	0.34	147	1.011	8.82	0.132	0.47	2.0	152.0	47	4.3	10.4	20.9	1.5	<1	13	39.9	<0.1
STD OREAS25A-4A	Standard	0.052	22.2	113	0.38	153	0.968	9.11	0.141	0.51	1.9	148.8	47	3.8	10.3	20.0	1.5	<1	13	39.7	<0.1
STD OREAS45E	Standard	0.034	11.5	1070	0.16	254	0.534	7.02	0.055	0.32	1.0	95.1	24	1.1	7.7	5.8	0.5	<1	96	6.4	<0.1
STD OREAS45E	Standard	0.034	13.0	990	0.19	264	0.552	7.47	0.061	0.33	1.1	93.7	27	1.3	9.2	6.2	0.6	<1	103	8.1	<0.1
STD OREAS45E	Standard	0.035	10.8	939	0.17	252	0.559	7.04	0.052	0.32	1.0	96.9	24	1.4	7.9	6.5	0.6	<1	96	7.5	<0.1
STD OREAS45E	Standard	0.038	11.4	978	0.18	256	0.559	7.03	0.066	0.33	1.1	97.3	24	1.2	7.9	6.5	0.5	<1	94	6.9	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000339.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
	Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
Pulp Duplicates									
2620742	Drill Core	22.6	1.0	0.08	0.007	<1	0.6	<0.5	
REP 2620742	QC	24.9	1.0	0.08	0.008	<1	<0.5	<0.5	
2620749	Drill Core	29.9	0.8	0.06	0.009	<1	<0.5	<0.5	
REP 2620749	QC								
REP 2620762	QC								
2620769	Drill Core	52.6	0.5	0.37	0.005	23	0.6	<0.5	2.93
REP 2620769	QC								2.93
2620772	Drill Core	4.7	1.1	0.05	<0.005	3	0.6	<0.5	
REP 2620772	QC	4.9	1.2	<0.05	0.005	4	<0.5	<0.5	
REP 2620789	QC								
Core Reject Duplicates									
2620762	Drill Core	14.7	1.4	<0.05	<0.005	<1	<0.5	<0.5	
DUP 2620762	QC	14.5	1.5	<0.05	<0.005	<1	<0.5	<0.5	
Reference Materials									
STD OREAS132A	Standard								0.05
STD OREAS134B	Standard								0.13
STD OREAS25A-4A	Standard	60.5	4.0	0.11	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	64.2	4.6	0.07	<0.005	3	<0.5	<0.5	
STD OREAS25A-4A	Standard	57.3	4.5	0.11	<0.005	3	<0.5	<0.5	
STD OREAS25A-4A	Standard	57.7	4.0	0.11	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	21.5	2.7	0.11	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	22.5	3.2	0.13	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	22.1	3.0	0.12	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	21.1	3.0	0.07	<0.005	3	<0.5	<0.5	
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXI121	Standard								

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000339.2

		WGHT Wgt kg 0.01	FA430 Au ppm 0.005	MA200 Mo ppm 0.1	MA200 Cu ppm 0.1	MA200 Pb ppm 0.1	MA200 Zn ppm 1	MA200 Ag ppm 0.1	MA200 Ni ppm 0.1	MA200 Co ppm 0.2	MA200 Mn ppm 1	MA200 Fe % 0.01	MA200 As ppm 1	MA200 U ppm 0.1	MA200 Th ppm 0.1	MA200 Sr ppm 1	MA200 Cd ppm 0.1	MA200 Sb ppm 0.1	MA200 Bi ppm 0.1	MA200 V ppm 1	MA200 Ca % 0.01
STD OXI121	Standard		1.825																		
STD OXI121	Standard		1.827																		
STD OXN117	Standard		7.834																		
STD OXN117	Standard		7.840																		
STD OXN117	Standard		7.716																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.6	<0.1	<1	<0.1	0.3	<0.2	2	<0.01	1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01
BLK	Blank			<0.1	2.9	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	0.1	<1	<0.1	<0.1	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	0.2	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank		<0.005	0.3	10.1	20.4	50	<0.1	3.6	4.9	810	2.53	1	3.0	9.2	770	<0.1	<0.1	0.3	50	2.34
G1-SMI	Prep Blank		<0.005	<0.1	8.3	19.5	50	<0.1	2.8	4.6	797	2.49	2	2.7	8.5	746	<0.1	<0.1	0.2	48	2.32

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000339.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	0.080	26.3	10	0.61	1117	0.251	7.87	2.831	3.34	0.2	12.0	53	1.7	14.4	24.7	1.4	2	5	38.9	<0.1
G1-SMI	Prep Blank	0.080	25.7	9	0.59	1045	0.242	7.74	2.847	3.27	0.2	11.2	55	1.9	14.5	25.9	1.5	4	5	39.2	<0.1

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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 25, 2014

QUALITY CONTROL REPORT SMI14000339.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
STD OXI121	Standard								
STD OXI121	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXD108 Expected									
STD OXN117 Expected									
STD OXI121 Expected									
STD OREAS25A-4A		61	4.53					0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	
STD OREAS132A Expected									0.0458
STD OREAS134B Expected									0.1348
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	0.5	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								<0.01
Prep Wash									
G1-SMI	Prep Blank	131.0	0.5	0.07	<0.005	<1	<0.5	1.2	
G1-SMI	Prep Blank	126.3	0.5	0.05	<0.005	<1	<0.5	1.1	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Farshad Shirvani
Receiving Lab: Canada-Smithers
Received: July 03, 2014
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000345.2

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 87

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	87	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	87	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	87	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA404	1	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : MA404-Cu included.

Invoice To: Doubleview Capital Corp.
310-675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Email Distribution List

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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All results are considered the confidential property of the client. Acme 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.

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000345.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620791	Drill Core	5.97	0.205	1.1	3162.4	1.4	41	0.3	91.7	115.3	946	11.74	3	0.5	0.6	281	<0.1	0.3	<0.1	447	6.83
2620792	Drill Core	6.45	0.410	31.3	5644.3	2.5	39	0.7	82.4	116.2	1301	18.04	2	0.5	0.5	348	<0.1	1.1	<0.1	594	5.86
2620793	Drill Core	7.24	0.186	2.1	2997.3	1.6	42	0.3	90.3	99.6	1272	11.72	2	0.7	0.6	341	<0.1	0.6	<0.1	389	5.78
2620794	Drill Core	8.11	0.086	0.9	1572.9	1.1	25	0.2	80.9	92.9	768	9.35	1	0.6	0.8	292	<0.1	0.2	<0.1	441	6.90
2620795	Drill Core	3.91	0.273	0.2	3667.2	1.7	23	0.3	94.4	142.5	608	6.50	2	0.7	1.0	383	<0.1	0.2	<0.1	209	5.09
2620796	Drill Core	6.56	0.033	0.2	408.0	0.7	20	<0.1	56.7	52.2	619	5.90	1	0.9	1.2	330	<0.1	<0.1	<0.1	264	6.31
2620797	Drill Core	6.44	0.037	0.1	558.1	1.2	13	<0.1	41.2	33.0	393	2.67	1	1.0	1.3	199	<0.1	0.1	<0.1	83	8.37
2620798	Drill Core	5.98	0.235	1.0	3480.5	2.6	30	0.3	153.7	212.7	791	8.86	2	0.7	0.9	349	<0.1	0.4	<0.1	289	5.56
2620799	Drill Core	6.09	0.271	2.9	4420.7	3.9	39	0.6	116.0	144.1	1068	9.76	3	0.5	0.4	347	0.1	0.7	<0.1	338	6.00
2620800	Drill Core	5.78	0.116	0.2	1759.4	4.7	32	0.5	70.3	83.0	1288	8.57	3	0.4	0.5	642	<0.1	2.5	<0.1	326	10.84
2620957 DUP of 2620800	Drill Core		0.126	0.4	1755.5	4.7	32	0.4	69.2	84.7	1294	8.65	3	0.5	0.5	619	<0.1	2.1	<0.1	320	10.73
2620801	Drill Core	5.61	0.057	0.2	1140.4	2.3	35	0.2	70.4	91.0	1126	8.09	3	0.4	0.6	351	<0.1	1.0	<0.1	350	7.07
2620802	Drill Core	3.74	0.047	0.3	1231.9	2.8	31	0.2	72.8	97.2	1261	8.19	5	0.4	0.5	895	<0.1	2.9	<0.1	360	9.78
2620803	Drill Core	5.85	0.047	0.2	1094.6	1.5	29	0.2	53.8	54.8	999	7.30	3	0.3	0.4	432	<0.1	0.8	<0.1	304	8.18
2620804	Drill Core	6.32	0.043	0.2	542.9	2.3	42	0.2	78.4	109.2	1133	7.70	5	0.3	0.3	387	<0.1	0.8	<0.1	347	6.58
2620805	Drill Core	6.29	0.053	0.2	910.6	2.1	54	0.2	74.1	168.4	1222	7.78	5	0.2	0.2	427	<0.1	0.9	<0.1	277	6.87
2620806	Drill Core	6.02	0.085	0.7	1051.9	2.3	51	0.2	75.9	129.8	1082	7.02	5	0.3	0.3	378	<0.1	0.8	<0.1	255	8.27
2620807	Drill Core	7.56	0.117	0.4	2649.7	4.3	70	0.6	53.8	60.8	997	8.57	4	1.1	1.2	474	0.3	1.8	<0.1	300	7.67
2620808	Drill Core	6.01	0.509	0.3	7631.6	17.4	188	1.6	63.5	102.1	1593	9.84	4	0.5	0.4	835	1.0	3.5	<0.1	347	10.25
2620809	Drill Core	6.21	0.076	0.1	6344.9	18.3	196	1.6	88.7	79.8	1616	11.87	8	0.5	0.7	517	0.8	2.1	<0.1	417	8.95
2620810	Drill Core	7.21	0.054	0.4	4048.0	6.6	80	0.9	74.2	69.6	1157	8.54	8	0.4	0.5	424	0.2	1.2	<0.1	321	7.85
2620811	Drill Core	6.12	0.036	0.4	2709.0	4.3	79	0.6	64.0	52.6	1234	8.91	5	0.7	0.6	476	0.3	1.7	<0.1	373	7.27
2620812	Drill Core	6.43	0.051	0.4	3394.3	4.2	62	0.7	60.9	55.0	1106	8.79	5	0.5	0.5	556	0.3	1.3	<0.1	322	6.25
2620813	Drill Core	5.18	0.143	0.7	3244.9	5.2	50	0.6	60.9	66.5	1112	13.26	15	0.8	1.0	569	0.2	2.1	<0.1	392	8.56
2620814	Drill Core	5.02	0.305	0.5	>10000	42.7	187	4.1	218.9	345.7	892	28.20	21	0.4	0.5	236	0.6	2.4	<0.1	673	6.45
2620815	Drill Core	6.84	0.056	0.4	2855.3	17.3	79	0.7	104.5	67.8	1152	29.01	10	0.6	0.5	323	0.2	1.3	<0.1	699	5.63
2620816	Drill Core	5.23	0.018	0.3	414.0	1.4	35	0.1	81.3	41.4	1145	19.88	4	0.5	0.5	384	<0.1	0.9	<0.1	757	6.78
2620817	Drill Core	6.01	0.015	0.3	632.3	1.2	30	0.2	80.1	43.0	1030	21.10	3	0.2	0.4	167	<0.1	0.3	<0.1	936	8.10
2620818	Drill Core	6.67	0.057	0.8	2180.8	13.2	39	1.0	107.8	118.6	1202	23.14	27	0.8	0.5	457	<0.1	2.2	<0.1	633	6.85
2620819	Drill Core	6.25	0.030	0.1	926.4	1.8	35	0.2	44.3	32.7	802	10.29	3	0.4	0.7	212	<0.1	1.3	<0.1	409	9.37

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000345.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620791	Drill Core	0.118	3.4	73	3.04	390	0.485	8.77	2.080	1.09	0.3	16.8	9	0.7	13.9	1.0	<0.1	<1	28	17.1	1.2
2620792	Drill Core	0.094	2.7	74	2.63	186	0.407	7.73	0.934	2.74	0.3	12.5	8	0.9	11.4	0.8	<0.1	<1	23	16.5	1.5
2620793	Drill Core	0.136	5.8	72	3.16	697	0.511	8.33	2.110	1.34	0.3	18.0	14	0.9	16.7	1.2	<0.1	<1	27	19.8	1.1
2620794	Drill Core	0.075	3.5	137	3.60	397	0.420	7.78	2.281	0.83	0.1	20.3	9	1.0	11.4	0.9	<0.1	<1	30	19.0	1.0
2620795	Drill Core	0.119	6.5	52	2.45	170	0.361	8.77	3.614	0.85	0.1	26.1	12	0.9	10.3	0.9	<0.1	<1	18	14.2	1.7
2620796	Drill Core	0.077	4.2	135	3.60	141	0.422	7.71	3.215	0.73	0.2	27.4	11	0.9	12.3	1.3	<0.1	<1	29	9.3	0.6
2620797	Drill Core	0.069	2.6	11	1.61	93	0.226	8.88	3.596	0.53	0.2	40.5	7	0.7	7.2	1.3	0.1	<1	6	9.3	0.6
2620798	Drill Core	0.106	3.7	70	3.27	382	0.356	7.85	2.804	0.83	0.2	23.7	9	1.0	10.4	0.9	<0.1	<1	21	19.7	2.0
2620799	Drill Core	0.072	7.2	128	3.82	209	0.438	7.84	2.576	0.60	0.3	18.2	13	1.1	11.4	0.8	<0.1	<1	32	20.5	1.3
2620800	Drill Core	0.119	8.4	104	3.04	55	0.449	8.52	1.547	0.13	0.5	16.5	16	1.0	12.9	0.8	<0.1	<1	27	14.0	0.8
2620957 DUP of 2620800	Drill Core	0.119	7.8	102	3.02	50	0.435	8.22	1.451	0.13	0.5	15.8	14	0.9	12.3	0.8	<0.1	<1	27	13.3	0.8
2620801	Drill Core	0.109	5.3	109	3.84	59	0.426	7.68	2.643	0.24	0.2	16.7	12	0.9	12.0	0.8	<0.1	<1	33	19.6	0.9
2620802	Drill Core	0.090	4.7	78	3.14	64	0.415	8.99	1.925	0.18	0.5	15.9	11	0.8	11.0	0.7	<0.1	<1	25	24.7	0.9
2620803	Drill Core	0.068	3.0	64	3.05	158	0.388	8.80	2.178	0.66	0.3	16.3	8	0.7	9.6	0.8	<0.1	<1	22	20.6	0.5
2620804	Drill Core	0.080	4.1	78	3.43	175	0.418	8.88	2.746	0.62	0.4	15.5	9	0.7	9.2	0.8	<0.1	<1	24	27.1	0.8
2620805	Drill Core	0.084	3.8	74	2.86	176	0.397	9.29	2.490	0.72	0.5	14.3	8	0.4	7.4	0.7	<0.1	<1	19	35.1	0.9
2620806	Drill Core	0.084	3.4	65	2.71	128	0.416	9.28	2.345	0.44	0.3	14.2	9	0.7	8.8	0.8	<0.1	<1	19	29.1	0.8
2620807	Drill Core	0.115	11.1	52	2.89	126	0.435	7.88	2.793	0.30	0.4	28.9	20	0.9	12.8	1.2	<0.1	<1	26	15.0	0.6
2620808	Drill Core	0.150	5.5	99	3.50	93	0.512	7.64	1.365	0.25	0.6	15.9	11	0.9	11.4	0.5	<0.1	<1	30	16.3	0.8
2620809	Drill Core	0.173	18.0	137	4.03	127	0.440	6.56	1.300	0.31	0.5	16.3	25	1.0	11.3	0.6	<0.1	<1	28	13.8	0.7
2620810	Drill Core	0.080	7.7	175	3.82	112	0.389	7.01	2.147	0.33	0.4	17.7	14	0.8	10.5	0.9	<0.1	<1	31	14.1	0.6
2620811	Drill Core	0.108	13.2	125	4.10	90	0.477	7.60	2.440	0.28	0.4	18.2	21	1.0	13.2	0.9	<0.1	<1	31	15.9	0.5
2620812	Drill Core	0.099	4.8	123	3.70	165	0.441	7.90	2.423	0.36	0.3	17.9	11	0.7	12.4	0.9	<0.1	<1	26	18.1	0.5
2620813	Drill Core	0.117	16.9	71	3.13	200	0.363	7.01	1.527	0.47	0.7	16.8	24	0.8	10.2	0.8	<0.1	<1	22	11.5	1.0
2620814	Drill Core	0.108	4.2	100	2.83	115	0.212	3.78	0.885	0.17	7.2	9.6	7	0.7	5.9	0.6	<0.1	<1	17	10.3	4.5
2620815	Drill Core	0.079	4.3	104	2.84	57	0.255	4.59	1.267	0.22	10.2	14.9	8	1.0	8.1	0.7	<0.1	<1	18	8.5	0.6
2620816	Drill Core	0.058	3.7	139	3.57	85	0.344	5.64	1.837	0.30	0.5	17.6	8	1.0	10.3	0.7	<0.1	<1	26	10.3	0.2
2620817	Drill Core	0.213	3.3	73	4.64	38	0.233	3.94	1.218	0.16	0.6	11.9	7	0.8	7.4	0.5	<0.1	<1	14	11.7	0.2
2620818	Drill Core	0.100	6.4	157	3.77	42	0.316	4.99	1.076	0.19	0.8	16.7	10	0.8	9.2	0.7	<0.1	<1	23	10.8	1.2
2620819	Drill Core	0.102	2.9	129	3.03	96	0.372	5.71	1.668	0.44	0.2	16.9	8	0.6	9.2	0.9	<0.1	<1	28	18.2	0.2

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000345.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620791	Drill Core	28.9	0.7	0.07	<0.005	4	1.7	<0.5	
2620792	Drill Core	55.0	0.6	<0.05	0.162	6	1.0	<0.5	
2620793	Drill Core	32.3	0.8	0.06	0.016	3	0.7	<0.5	
2620794	Drill Core	25.1	0.8	0.08	0.016	3	0.9	<0.5	
2620795	Drill Core	18.8	1.0	0.07	0.010	4	1.0	<0.5	
2620796	Drill Core	16.3	1.0	0.07	0.009	2	2.0	<0.5	
2620797	Drill Core	10.6	1.2	<0.05	<0.005	2	1.9	<0.5	
2620798	Drill Core	23.1	0.9	0.06	0.020	9	0.8	<0.5	
2620799	Drill Core	17.3	0.7	0.10	0.040	6	1.1	<0.5	
2620800	Drill Core	2.7	0.6	0.09	0.007	3	2.8	<0.5	
2620957 DUP of 2620800	Drill Core	2.5	0.6	0.08	<0.005	3	2.1	<0.5	
2620801	Drill Core	6.7	0.6	0.06	0.010	3	2.0	<0.5	
2620802	Drill Core	4.9	0.6	0.09	0.007	2	1.6	<0.5	
2620803	Drill Core	13.4	0.5	0.05	<0.005	1	1.7	<0.5	
2620804	Drill Core	9.4	0.6	0.07	0.007	2	1.3	<0.5	
2620805	Drill Core	12.5	0.6	<0.05	<0.005	3	1.2	<0.5	
2620806	Drill Core	11.0	0.5	<0.05	0.006	3	2.6	<0.5	
2620807	Drill Core	8.3	1.2	0.09	0.008	3	1.7	<0.5	
2620808	Drill Core	7.4	0.5	0.20	<0.005	2	2.9	<0.5	
2620809	Drill Core	7.9	0.6	0.16	<0.005	4	1.4	<0.5	
2620810	Drill Core	9.5	0.6	0.12	<0.005	3	2.2	<0.5	
2620811	Drill Core	6.8	0.6	0.17	<0.005	1	2.0	<0.5	
2620812	Drill Core	8.4	0.7	0.11	<0.005	3	1.1	<0.5	
2620813	Drill Core	12.3	0.7	0.14	<0.005	4	1.5	<0.5	
2620814	Drill Core	3.8	0.3	0.20	0.006	12	0.7	<0.5	1.22
2620815	Drill Core	4.9	0.5	0.13	0.043	3	0.6	<0.5	
2620816	Drill Core	5.9	0.6	0.13	<0.005	<1	1.2	<0.5	
2620817	Drill Core	1.9	0.6	0.11	<0.005	<1	2.8	<0.5	
2620818	Drill Core	3.0	0.6	0.18	0.009	3	1.8	<0.5	
2620819	Drill Core	15.4	0.7	0.05	<0.005	<1	2.9	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000345.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620820	Drill Core	3.70	0.025	0.2	613.4	1.0	21	0.1	42.4	27.3	635	10.36	3	0.5	0.8	305	<0.1	0.2	<0.1	365	6.92
2620821	Drill Core	5.70	0.029	0.3	941.3	1.0	28	0.2	47.9	31.7	775	13.05	4	0.6	0.9	443	<0.1	0.6	<0.1	421	7.38
2620822	Drill Core	4.01	0.031	0.3	891.1	1.2	35	0.2	50.9	29.1	668	11.21	<1	0.7	1.4	301	<0.1	0.3	0.2	386	6.70
2620823	Drill Core	7.84	0.027	0.2	673.3	2.9	50	0.3	59.4	38.9	933	13.83	4	0.3	0.6	134	<0.1	0.7	0.2	651	9.29
2620824	Drill Core	4.96	0.008	<0.1	120.0	0.7	30	0.1	52.3	25.8	728	10.81	2	0.5	0.9	163	<0.1	0.2	<0.1	634	9.29
2620825	Drill Core	7.69	0.060	<0.1	69.2	3.1	26	<0.1	39.7	25.0	633	8.56	2	0.6	1.1	315	<0.1	0.3	<0.1	414	6.99
2620826	Drill Core	6.91	0.043	0.3	260.7	2.3	26	0.1	45.9	29.0	561	13.64	3	0.5	1.3	426	<0.1	0.4	<0.1	604	7.87
2620827	Drill Core	7.34	0.007	0.1	161.8	4.1	23	<0.1	35.1	19.7	592	8.99	3	0.5	1.4	542	<0.1	0.2	<0.1	457	7.65
2620828	Drill Core	6.03	<0.005	0.2	77.1	0.8	26	<0.1	52.5	29.9	734	7.87	2	0.5	1.0	374	<0.1	0.2	<0.1	345	7.66
2620829	Drill Core	7.84	0.036	0.3	586.8	1.0	41	0.2	91.5	46.7	979	14.30	2	0.4	0.8	154	<0.1	0.3	<0.1	514	7.55
2620830	Drill Core	4.20	0.019	0.5	280.5	1.0	33	<0.1	72.6	39.1	876	10.69	2	0.4	0.7	286	<0.1	0.1	<0.1	416	7.84
2620958 DUP of 2620830	Drill Core		0.022	0.5	297.7	0.9	33	<0.1	73.0	39.0	911	10.83	1	0.4	0.8	301	<0.1	0.1	<0.1	413	8.02
2620501	Drill Core	3.24	0.007	<0.1	69.3	3.1	61	<0.1	71.8	33.2	1694	10.27	4	0.4	0.7	143	<0.1	0.3	<0.1	338	7.05
2620502	Drill Core	7.45	0.079	1.2	214.0	3.2	78	0.2	62.2	48.0	1457	9.97	2	0.8	1.0	285	0.1	0.2	<0.1	289	5.48
2620503	Drill Core	5.96	0.017	1.8	247.1	2.0	67	0.2	64.0	43.4	1658	8.72	3	0.6	0.6	323	<0.1	0.3	<0.1	225	4.84
2620504	Drill Core	5.41	0.030	0.6	102.1	1.7	46	<0.1	70.6	34.9	1492	8.95	2	0.7	0.9	289	<0.1	0.3	<0.1	269	5.50
2620505	Drill Core	7.60	0.091	1.1	60.9	0.9	38	<0.1	60.9	30.7	1573	9.05	1	0.8	0.9	316	<0.1	0.3	<0.1	300	5.52
2620506	Drill Core	7.84	0.080	7.1	398.1	1.3	50	0.2	54.0	97.7	1668	9.22	3	1.2	1.0	335	<0.1	0.3	<0.1	267	4.80
2620507	Drill Core	7.08	0.026	17.7	257.7	6.2	79	0.2	43.3	141.9	1633	9.84	3	1.8	1.1	264	0.9	0.4	<0.1	245	5.75
2620508	Drill Core	8.37	0.014	2.6	99.0	1.8	52	<0.1	46.3	77.9	1710	8.64	<1	1.1	0.9	301	<0.1	0.3	<0.1	291	5.68
2620509	Drill Core	7.81	0.051	1.3	94.7	2.9	75	<0.1	33.3	65.4	2556	9.35	5	0.8	0.8	190	<0.1	0.4	<0.1	255	5.15
2620510	Drill Core	6.66	0.017	3.1	26.6	1.3	34	<0.1	39.2	31.9	1300	7.60	2	0.9	0.9	276	<0.1	0.2	<0.1	257	5.66
2620511	Drill Core	7.64	0.113	3.1	147.6	1.1	30	<0.1	43.1	45.6	1337	7.55	3	0.8	0.7	247	<0.1	0.2	<0.1	260	5.50
2620512	Drill Core	7.26	0.025	2.0	143.7	1.3	37	<0.1	72.6	46.8	1630	9.34	2	0.5	0.8	169	<0.1	0.3	<0.1	266	5.50
2620513	Drill Core	1.50	0.415	20.1	2738.0	33.4	38	1.5	283.4	471.6	777	20.67	11	0.6	0.3	73	0.2	0.9	<0.1	150	2.05
2620514	Drill Core	8.24	0.037	5.6	309.0	1.0	36	0.2	48.5	38.8	1253	8.44	<1	0.8	0.7	276	<0.1	0.3	<0.1	248	5.22
2620515	Drill Core	7.19	0.088	28.4	886.4	3.5	55	0.4	53.8	172.7	1533	10.27	6	1.3	1.8	309	0.2	0.3	<0.1	267	5.05
2620516	Drill Core	7.06	0.080	6.0	968.5	2.4	79	0.5	31.0	71.3	1205	7.72	<1	1.6	1.3	357	0.3	0.3	<0.1	258	4.52
2620517	Drill Core	4.40	0.029	7.8	460.1	2.2	36	0.1	11.1	36.7	1166	7.30	<1	1.2	1.2	338	<0.1	0.4	<0.1	276	3.80
2620518	Drill Core	5.03	0.110	3.9	571.9	2.4	32	0.1	7.9	35.3	1128	6.33	2	1.0	1.4	297	<0.1	0.6	<0.1	258	4.64

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310 - 675 W. Hastings St.
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Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000345.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620820	Drill Core	0.063	2.9	119	3.09	229	0.350	6.87	2.627	0.58	0.1	21.0	8	0.6	9.8	1.0	<0.1	<1	26	10.5	0.2
2620821	Drill Core	0.089	3.7	105	3.39	194	0.390	6.76	2.291	0.48	0.1	19.1	10	0.7	10.7	1.0	<0.1	<1	34	12.4	0.2
2620822	Drill Core	0.115	4.8	100	3.24	97	0.383	7.29	3.243	0.26	0.1	24.7	11	0.8	11.3	1.1	<0.1	<1	26	9.4	0.2
2620823	Drill Core	0.182	2.9	140	4.58	54	0.261	4.57	1.173	0.19	0.1	11.4	7	0.7	7.5	0.5	<0.1	<1	46	13.3	0.2
2620824	Drill Core	0.137	3.5	141	4.95	45	0.303	5.72	1.855	0.19	0.2	16.1	9	0.5	8.9	0.7	<0.1	<1	58	13.4	<0.1
2620825	Drill Core	0.097	4.2	131	3.68	101	0.380	7.38	3.144	0.29	<0.1	18.5	10	0.6	10.6	1.1	<0.1	<1	30	13.0	0.2
2620826	Drill Core	0.117	4.5	6	2.23	100	0.281	7.40	2.677	0.18	<0.1	19.1	10	0.4	9.6	1.1	<0.1	<1	17	10.6	<0.1
2620827	Drill Core	0.145	4.7	9	2.50	156	0.309	7.36	2.878	0.26	0.2	15.3	11	0.4	10.9	1.2	<0.1	<1	18	10.7	<0.1
2620828	Drill Core	0.138	5.8	174	4.08	128	0.464	7.43	2.782	0.40	0.3	21.0	14	0.6	12.6	0.9	<0.1	<1	38	12.5	<0.1
2620829	Drill Core	0.137	4.2	320	5.70	45	0.432	5.47	1.609	0.26	0.2	18.5	11	0.7	11.7	0.7	<0.1	<1	53	9.2	0.2
2620830	Drill Core	0.152	5.0	269	5.13	100	0.471	6.60	1.775	0.40	0.1	20.0	13	0.7	12.5	0.8	<0.1	<1	50	10.5	<0.1
2620958 DUP of 2620830	Drill Core	0.157	5.4	272	5.17	99	0.469	6.65	1.783	0.41	0.1	19.1	14	0.8	12.7	0.7	<0.1	<1	48	10.6	<0.1
2620501	Drill Core	0.037	3.9	328	5.98	442	0.446	6.38	1.014	1.13	0.2	20.3	8	1.0	11.5	0.8	<0.1	<1	52	18.4	0.1
2620502	Drill Core	0.090	6.2	183	4.23	454	0.455	7.79	2.443	1.09	0.4	24.1	11	0.8	12.0	1.1	<0.1	<1	35	19.5	0.7
2620503	Drill Core	0.047	4.5	210	4.01	639	0.424	7.37	2.483	1.36	0.4	21.7	8	0.7	9.4	0.9	<0.1	<1	29	17.1	0.4
2620504	Drill Core	0.110	6.6	173	4.06	368	0.423	7.61	2.390	0.99	0.4	20.6	12	0.6	11.2	1.0	<0.1	<1	29	14.8	0.4
2620505	Drill Core	0.105	7.3	198	4.37	505	0.479	7.51	1.914	1.12	0.4	19.9	12	0.7	10.4	1.0	<0.1	<1	30	18.3	0.2
2620506	Drill Core	0.093	7.1	164	3.82	738	0.459	7.96	2.694	1.47	0.3	29.5	13	0.9	12.7	1.1	<0.1	<1	28	15.0	0.7
2620507	Drill Core	0.079	43.6	111	3.43	638	0.421	7.64	1.926	1.50	0.3	33.8	52	0.8	13.7	1.2	<0.1	<1	27	12.7	1.3
2620508	Drill Core	0.093	8.3	142	3.83	380	0.434	7.70	2.607	0.96	0.4	25.8	14	0.9	12.8	1.1	<0.1	<1	30	13.8	0.3
2620509	Drill Core	0.080	10.6	121	3.46	556	0.383	7.34	2.008	1.28	0.5	19.2	16	0.8	9.1	0.9	<0.1	1	34	12.0	0.3
2620510	Drill Core	0.093	5.0	103	3.40	296	0.401	7.88	2.394	0.89	0.2	24.8	10	0.8	10.7	1.1	<0.1	<1	27	17.6	0.2
2620511	Drill Core	0.073	5.2	84	3.22	373	0.415	7.68	2.248	0.93	0.3	17.1	9	0.6	10.8	1.0	<0.1	<1	30	16.8	0.5
2620512	Drill Core	0.066	7.0	248	4.92	214	0.404	6.63	1.702	0.77	0.4	23.2	11	0.7	10.5	1.3	<0.1	<1	39	20.0	0.6
2620513	Drill Core	0.047	14.2	77	2.45	35	0.206	4.45	1.624	0.24	0.2	10.4	18	0.3	3.9	0.7	<0.1	<1	13	14.6	>10
2620514	Drill Core	0.066	11.0	179	4.13	290	0.422	7.69	2.848	0.87	0.3	19.8	16	0.8	11.7	1.1	<0.1	<1	29	15.5	0.5
2620515	Drill Core	0.068	39.2	140	3.61	770	0.428	7.81	1.674	1.11	0.3	21.9	40	0.9	16.7	0.9	<0.1	<1	28	15.1	1.6
2620516	Drill Core	0.105	16.4	55	3.03	546	0.483	8.41	2.738	1.44	0.4	34.9	26	0.9	15.0	1.3	<0.1	<1	22	16.4	0.7
2620517	Drill Core	0.119	11.6	32	2.59	452	0.457	8.34	4.282	0.97	0.5	52.3	21	1.1	12.9	1.4	<0.1	<1	22	9.5	0.2
2620518	Drill Core	0.124	4.6	7	2.08	250	0.423	8.73	4.490	0.71	0.5	57.9	12	1.1	12.9	1.5	<0.1	<1	17	9.3	0.2

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000345.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620820	Drill Core	15.6	0.7	0.06	<0.005	<1	1.7	<0.5	
2620821	Drill Core	13.8	0.8	0.08	<0.005	<1	1.4	<0.5	
2620822	Drill Core	6.7	0.9	0.06	<0.005	<1	<0.5	<0.5	
2620823	Drill Core	4.8	0.5	0.08	<0.005	<1	1.2	<0.5	
2620824	Drill Core	4.4	0.6	0.05	<0.005	<1	2.3	<0.5	
2620825	Drill Core	8.0	0.7	<0.05	<0.005	<1	<0.5	<0.5	
2620826	Drill Core	4.2	0.7	<0.05	<0.005	<1	<0.5	<0.5	
2620827	Drill Core	7.0	0.6	<0.05	<0.005	<1	0.7	<0.5	
2620828	Drill Core	9.6	0.6	<0.05	<0.005	<1	2.2	<0.5	
2620829	Drill Core	4.5	0.7	0.08	<0.005	<1	1.6	<0.5	
2620830	Drill Core	8.7	0.6	0.06	<0.005	<1	3.0	<0.5	
2620958 DUP of 2620830	Drill Core	8.9	0.7	0.06	<0.005	<1	1.2	<0.5	
2620501	Drill Core	30.8	0.8	0.15	<0.005	<1	1.9	<0.5	
2620502	Drill Core	25.0	0.8	0.13	0.011	<1	0.9	<0.5	
2620503	Drill Core	18.2	0.7	0.17	0.016	<1	0.8	<0.5	
2620504	Drill Core	22.0	0.7	0.16	0.009	<1	1.2	<0.5	
2620505	Drill Core	18.5	0.7	0.18	<0.005	<1	1.0	<0.5	
2620506	Drill Core	27.3	0.9	0.18	0.016	<1	0.9	<0.5	
2620507	Drill Core	36.0	1.1	0.15	0.086	1	0.6	<0.5	
2620508	Drill Core	21.5	0.9	0.18	0.008	<1	1.4	<0.5	
2620509	Drill Core	26.1	0.8	0.08	<0.005	<1	<0.5	<0.5	
2620510	Drill Core	21.4	0.9	0.08	<0.005	<1	<0.5	<0.5	
2620511	Drill Core	25.3	0.6	0.11	<0.005	<1	<0.5	<0.5	
2620512	Drill Core	21.2	0.8	0.10	<0.005	<1	<0.5	<0.5	
2620513	Drill Core	3.9	0.4	0.06	0.034	14	2.1	<0.5	
2620514	Drill Core	16.8	0.7	0.10	0.024	<1	0.7	<0.5	
2620515	Drill Core	95.8	0.9	0.13	0.059	2	0.7	<0.5	
2620516	Drill Core	27.6	1.0	0.11	0.022	1	1.1	<0.5	
2620517	Drill Core	11.3	1.6	<0.05	0.023	<1	0.6	<0.5	
2620518	Drill Core	7.9	1.9	<0.05	0.010	<1	<0.5	<0.5	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000345.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620519	Drill Core	4.86	0.046	3.3	50.7	1.6	32	<0.1	11.2	30.8	864	6.59	<1	1.0	1.2	269	<0.1	0.3	<0.1	264	3.52
2620520	Drill Core	5.85	0.016	3.4	297.5	1.5	55	0.2	30.7	39.4	1289	6.75	<1	1.3	1.0	379	<0.1	0.4	<0.1	261	5.83
2620521	Drill Core	6.53	0.012	0.9	290.8	3.4	63	0.1	98.7	41.3	1743	7.35	<1	0.6	1.0	347	0.1	0.3	<0.1	269	6.90
2620522	Drill Core	7.34	<0.005	3.2	60.9	3.1	35	<0.1	50.0	28.8	949	5.74	2	1.4	1.8	336	<0.1	0.2	<0.1	251	6.31
2620523	Drill Core	6.71	0.009	0.4	223.5	1.5	43	<0.1	33.2	40.7	1466	7.94	3	1.3	0.9	320	<0.1	0.4	<0.1	320	5.77
2620524	Drill Core	5.06	0.038	0.3	309.3	1.9	53	<0.1	40.8	52.7	1307	7.90	1	1.3	0.9	332	<0.1	0.3	<0.1	308	5.98
2620525	Drill Core	8.49	0.023	0.2	102.4	1.4	39	<0.1	24.8	36.5	1124	6.97	2	0.9	1.1	373	<0.1	0.4	<0.1	281	5.94
2620526	Drill Core	6.14	0.013	0.6	198.0	2.5	70	<0.1	18.9	79.8	1287	7.77	4	0.9	1.0	425	0.3	0.7	0.3	264	4.78
2620527	Drill Core	7.55	0.021	5.0	169.8	1.4	42	0.1	61.2	104.6	1400	7.54	3	0.8	0.8	262	<0.1	0.3	0.2	273	5.78
2620528	Drill Core	7.05	0.013	6.6	292.2	2.4	38	0.2	22.7	58.1	1285	7.33	3	1.0	1.1	359	<0.1	0.4	0.2	245	4.47
2620529	Drill Core	6.01	0.318	7.7	1829.0	3.7	136	0.7	25.0	87.3	1264	6.88	6	1.5	1.2	353	0.6	0.7	0.1	210	4.87
2620530	Drill Core	5.68	0.118	1.0	90.5	1.7	52	0.1	2.7	37.2	1947	6.43	2	1.2	1.9	228	0.1	0.4	<0.1	202	2.64
2620531	Drill Core	6.92	0.293	26.0	3520.1	10.2	353	1.8	37.1	99.6	1626	9.64	9	0.8	1.5	343	0.9	0.7	0.2	259	4.95
2620532	Drill Core	7.31	0.037	1.6	829.2	2.5	53	0.3	34.4	39.2	1571	6.66	3	0.8	1.3	411	<0.1	1.1	<0.1	231	5.34
2620533	Drill Core	6.12	0.012	0.3	128.2	1.5	39	<0.1	34.7	30.1	1392	6.29	2	0.4	0.8	394	<0.1	0.4	<0.1	267	5.87
2620534	Drill Core	7.35	0.010	0.3	131.3	1.3	34	0.1	32.1	31.5	1174	5.94	3	0.7	1.8	261	<0.1	0.4	<0.1	226	5.64
2620535	Drill Core	7.86	0.024	0.3	684.1	1.5	55	0.2	42.4	36.1	1247	6.74	2	0.7	1.8	329	<0.1	0.2	<0.1	269	6.33
2620536	Drill Core	7.85	0.012	0.6	65.3	1.6	47	<0.1	41.1	34.2	1219	6.56	2	0.5	1.5	313	<0.1	0.2	<0.1	274	6.58
2620537	Drill Core	6.69	0.132	0.3	147.6	1.8	31	<0.1	20.4	20.7	1022	4.42	1	0.7	1.8	330	<0.1	0.2	<0.1	211	5.94
2620538	Drill Core	7.38	0.020	0.4	146.8	1.4	27	<0.1	19.2	23.9	956	4.71	2	1.2	2.2	235	<0.1	0.6	<0.1	183	4.92
2620539	Drill Core	7.61	0.038	0.4	579.8	1.5	42	0.2	46.5	46.2	1330	7.56	5	0.7	1.6	374	<0.1	0.5	<0.1	291	7.37
2620540	Drill Core	7.27	0.016	0.5	134.1	1.4	42	0.3	43.9	38.5	1159	7.31	3	0.8	1.8	353	<0.1	0.4	<0.1	290	6.79
2620541	Drill Core	7.30	0.017	8.1	311.5	1.3	39	0.3	34.8	34.5	1297	6.84	4	0.8	1.5	295	<0.1	0.4	<0.1	251	6.80
2620542	Drill Core	5.85	0.085	12.1	574.6	2.2	42	0.2	33.0	44.9	1384	6.52	4	0.9	1.3	247	<0.1	0.5	<0.1	197	5.67
2620543	Drill Core	6.67	0.012	0.7	99.5	1.6	43	0.1	40.0	34.8	1202	6.60	3	0.8	1.4	417	<0.1	0.3	<0.1	263	6.54
2620544	Drill Core	7.79	0.009	0.2	72.3	1.4	51	<0.1	38.5	32.3	1253	6.11	2	0.5	0.9	488	<0.1	0.1	<0.1	259	7.01
2620545	Drill Core	6.70	0.006	0.3	124.1	1.3	47	0.1	49.3	36.0	1397	6.38	3	0.6	1.1	433	<0.1	0.2	<0.1	254	7.82

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000345.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620519	Drill Core	0.115	3.3	16	2.21	235	0.409	8.02	4.660	0.69	0.4	57.5	10	0.7	12.5	1.4	<0.1	<1	18	8.5	0.1
2620520	Drill Core	0.094	6.6	84	3.11	422	0.468	8.61	3.110	0.94	0.7	29.0	13	1.0	15.9	1.1	<0.1	<1	25	15.0	0.3
2620521	Drill Core	0.107	9.6	262	3.89	776	0.499	7.34	1.675	1.27	0.6	24.9	16	1.1	12.3	1.8	0.1	<1	33	16.5	0.1
2620522	Drill Core	0.146	6.9	142	2.59	529	0.489	8.16	3.845	1.13	0.6	61.2	17	0.9	15.6	2.1	0.1	<1	23	9.5	<0.1
2620523	Drill Core	0.103	4.1	87	3.32	392	0.492	8.11	3.229	0.84	0.5	32.1	11	0.9	13.4	1.1	<0.1	<1	30	13.2	0.1
2620524	Drill Core	0.081	6.9	105	3.76	435	0.506	8.17	2.723	0.99	0.3	25.9	12	0.7	13.1	0.9	<0.1	<1	31	13.9	0.2
2620525	Drill Core	0.091	5.3	60	2.78	280	0.465	8.34	3.350	0.73	0.2	26.7	12	0.7	15.1	1.4	<0.1	<1	22	11.4	0.1
2620526	Drill Core	0.104	9.5	21	2.35	703	0.476	8.91	3.458	1.13	0.5	21.3	17	0.8	13.8	1.4	0.2	<1	14	11.3	0.4
2620527	Drill Core	0.071	5.7	151	4.01	458	0.471	8.16	2.529	0.99	0.4	17.3	11	0.9	14.4	1.1	<0.1	<1	31	14.2	0.3
2620528	Drill Core	0.101	4.9	47	2.64	295	0.471	8.89	3.824	0.68	0.3	28.4	11	0.9	13.6	1.2	<0.1	<1	20	11.2	0.2
2620529	Drill Core	0.171	7.8	56	2.35	376	0.484	8.75	3.569	0.87	0.7	24.9	15	1.0	16.8	1.3	<0.1	<1	18	11.6	0.7
2620530	Drill Core	0.156	7.9	3	1.78	1233	0.441	8.73	3.948	2.88	1.8	63.1	20	0.9	16.4	2.0	0.1	<1	16	9.9	<0.1
2620531	Drill Core	0.091	6.8	83	3.03	439	0.434	8.14	2.916	0.93	3.0	20.9	13	0.8	14.1	1.5	<0.1	<1	24	12.2	1.0
2620532	Drill Core	0.117	8.0	101	3.32	364	0.480	8.89	3.491	0.77	0.6	17.9	17	0.6	16.4	1.5	<0.1	<1	26	15.5	0.2
2620533	Drill Core	0.075	5.3	89	3.59	295	0.488	8.53	3.149	0.80	0.3	15.5	11	0.4	13.3	1.2	<0.1	<1	28	12.5	<0.1
2620534	Drill Core	0.103	12.3	74	3.13	159	0.469	8.81	3.707	0.54	0.3	21.3	21	0.4	13.4	1.2	<0.1	<1	26	13.9	0.1
2620535	Drill Core	0.102	9.1	86	3.84	277	0.483	8.64	2.979	0.83	0.2	23.5	19	0.6	13.8	1.2	<0.1	<1	34	17.3	0.1
2620536	Drill Core	0.113	8.3	105	3.91	230	0.497	8.78	3.095	0.77	0.2	23.8	18	0.4	14.8	1.2	<0.1	<1	31	16.2	<0.1
2620537	Drill Core	0.120	7.1	25	2.35	256	0.452	9.14	4.126	0.69	0.2	22.5	15	0.2	15.1	1.4	<0.1	<1	17	12.4	<0.1
2620538	Drill Core	0.113	7.2	31	2.19	138	0.429	9.07	4.983	0.37	0.4	28.0	15	0.5	14.9	1.5	0.1	<1	15	9.1	<0.1
2620539	Drill Core	0.132	9.2	75	3.81	265	0.501	8.48	1.815	1.06	0.3	20.5	19	0.7	14.5	1.2	<0.1	<1	31	14.7	0.2
2620540	Drill Core	0.122	10.4	92	3.74	249	0.518	8.63	2.519	0.93	0.3	23.7	20	0.7	13.9	1.3	<0.1	<1	34	15.0	<0.1
2620541	Drill Core	0.124	7.7	89	2.84	285	0.480	8.50	2.975	0.98	0.3	21.9	16	0.5	16.0	1.3	<0.1	<1	29	12.4	0.1
2620542	Drill Core	0.100	7.4	118	3.11	591	0.405	8.23	2.318	1.84	0.5	19.4	13	1.1	12.5	1.1	<0.1	<1	23	10.2	0.3
2620543	Drill Core	0.105	7.1	86	3.69	323	0.479	8.37	2.396	0.99	0.2	16.7	16	0.5	13.5	1.0	<0.1	<1	31	16.9	<0.1
2620544	Drill Core	0.077	6.2	112	3.54	432	0.467	8.78	2.597	0.94	0.1	15.8	13	0.4	14.5	1.0	<0.1	<1	28	13.9	<0.1
2620545	Drill Core	0.085	5.6	177	4.11	465	0.499	8.09	2.567	0.95	0.2	24.3	12	0.5	13.8	1.5	<0.1	<1	34	14.9	<0.1

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Project: Hat
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CERTIFICATE OF ANALYSIS SMI14000345.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620519	Drill Core	7.6	1.8	<0.05	0.008	<1	0.6	<0.5	
2620520	Drill Core	23.4	0.9	0.11	0.016	<1	0.7	<0.5	
2620521	Drill Core	33.4	0.8	0.07	<0.005	<1	0.7	<0.5	
2620522	Drill Core	22.5	1.8	<0.05	0.007	<1	1.1	<0.5	
2620523	Drill Core	14.8	1.0	0.06	<0.005	<1	<0.5	<0.5	
2620524	Drill Core	21.9	0.9	<0.05	0.005	<1	<0.5	<0.5	
2620525	Drill Core	14.0	0.9	<0.05	<0.005	<1	1.1	<0.5	
2620526	Drill Core	21.8	0.8	0.13	<0.005	<1	<0.5	<0.5	
2620527	Drill Core	31.6	0.7	0.09	0.019	<1	0.8	<0.5	
2620528	Drill Core	15.3	1.0	0.12	0.023	<1	0.6	<0.5	
2620529	Drill Core	18.1	0.8	0.07	0.043	<1	0.8	<0.5	
2620530	Drill Core	33.1	2.0	0.08	<0.005	<1	<0.5	<0.5	
2620531	Drill Core	26.8	0.8	0.10	0.170	1	0.9	<0.5	
2620532	Drill Core	19.8	0.7	0.13	0.010	<1	1.1	<0.5	
2620533	Drill Core	22.1	0.6	0.05	<0.005	<1	0.7	<0.5	
2620534	Drill Core	17.1	0.7	0.09	<0.005	<1	0.7	<0.5	
2620535	Drill Core	24.0	0.7	0.09	<0.005	<1	1.4	<0.5	
2620536	Drill Core	25.4	0.8	0.07	<0.005	<1	0.8	<0.5	
2620537	Drill Core	14.5	0.7	0.06	<0.005	<1	1.2	<0.5	
2620538	Drill Core	8.6	0.8	<0.05	<0.005	<1	0.5	<0.5	
2620539	Drill Core	37.5	0.7	0.10	0.006	<1	2.2	<0.5	
2620540	Drill Core	30.5	0.8	0.09	0.010	<1	1.2	<0.5	
2620541	Drill Core	32.0	0.7	0.08	0.058	<1	1.7	<0.5	
2620542	Drill Core	43.6	0.8	0.11	0.080	<1	1.2	<0.5	
2620543	Drill Core	36.6	0.7	<0.05	<0.005	<1	1.8	<0.5	
2620544	Drill Core	27.9	0.9	0.06	<0.005	<1	1.5	<0.5	
2620545	Drill Core	28.1	1.0	0.07	<0.005	<1	1.5	<0.5	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000345.2

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
2620792	Drill Core	6.45	0.410	31.3	5644.3	2.5	39	0.7	82.4	116.2	1301	18.04	2	0.5	0.5	348	<0.1	1.1	<0.1	594	5.86
REP 2620792	QC		0.430																		
2620797	Drill Core	6.44	0.037	0.1	558.1	1.2	13	<0.1	41.2	33.0	393	2.67	1	1.0	1.3	199	<0.1	0.1	<0.1	83	8.37
REP 2620797	QC			0.1	553.2	1.0	13	<0.1	45.0	33.7	390	2.71	1	1.0	1.3	208	<0.1	0.1	<0.1	85	8.93
2620958 DUP of 2620830	Drill Core		0.022	0.5	297.7	0.9	33	<0.1	73.0	39.0	911	10.83	1	0.4	0.8	301	<0.1	0.1	<0.1	413	8.02
REP 2620958 DUP of	QC			0.5	296.5	1.0	32	<0.1	77.0	38.9	868	10.89	2	0.4	0.8	286	<0.1	0.1	<0.1	415	8.18
2620522	Drill Core	7.34	<0.005	3.2	60.9	3.1	35	<0.1	50.0	28.8	949	5.74	2	1.4	1.8	336	<0.1	0.2	<0.1	251	6.31
REP 2620522	QC		<0.005																		
2620535	Drill Core	7.86	0.024	0.3	684.1	1.5	55	0.2	42.4	36.1	1247	6.74	2	0.7	1.8	329	<0.1	0.2	<0.1	269	6.33
REP 2620535	QC			0.4	681.1	1.6	56	0.3	41.4	39.2	1257	6.95	2	0.7	2.0	354	<0.1	0.3	<0.1	280	6.41
Core Reject Duplicates																					
2620808	Drill Core	6.01	0.509	0.3	7631.6	17.4	188	1.6	63.5	102.1	1593	9.84	4	0.5	0.4	835	1.0	3.5	<0.1	347	10.25
DUP 2620808	QC		0.544	0.1	7479.7	17.4	186	1.9	63.4	94.5	1557	9.71	4	0.5	0.5	803	0.8	3.1	<0.1	347	10.27
2620515	Drill Core	7.19	0.088	28.4	886.4	3.5	55	0.4	53.8	172.7	1533	10.27	6	1.3	1.8	309	0.2	0.3	<0.1	267	5.05
DUP 2620515	QC		0.102	29.2	885.9	3.6	59	0.4	54.2	167.8	1504	10.12	6	1.1	1.2	315	0.2	0.3	<0.1	265	5.11
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard			2.5	38.0	24.7	46	<0.1	47.1	7.7	484	6.53	10	2.7	15.5	39	0.1	0.7	0.3	159	0.30
STD OREAS25A-4A	Standard			2.5	35.4	29.8	50	0.1	48.1	8.2	501	6.59	11	3.0	18.7	53	0.2	0.6	0.4	160	0.29
STD OREAS25A-4A	Standard			2.2	35.0	24.4	41	<0.1	44.9	7.3	482	6.52	10	2.9	14.6	46	<0.1	0.6	0.3	154	0.25
STD OREAS45E	Standard			2.6	781.7	18.5	44	0.3	485.1	59.4	580	25.13	17	2.4	12.9	14	0.1	1.0	0.2	323	0.08
STD OREAS45E	Standard			2.3	818.4	21.4	47	0.3	490.4	62.6	611	26.04	18	2.6	15.3	16	<0.1	1.1	0.3	315	0.07
STD OREAS45E	Standard			2.5	783.9	19.7	47	0.3	492.8	58.3	590	25.34	17	2.4	13.9	13	<0.1	1.0	0.3	325	0.07
STD OREAS45E	Standard			2.4	782.4	18.6	44	0.3	455.9	56.6	539	24.64	18	2.3	12.2	16	<0.1	1.0	0.2	339	0.05
STD OXD108	Standard		0.409																		
STD OXD108	Standard		0.435																		
STD OXI121	Standard		1.833																		

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000345.2

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																						
2620792	Drill Core		0.094	2.7	74	2.63	186	0.407	7.73	0.934	2.74	0.3	12.5	8	0.9	11.4	0.8	<0.1	<1	23	16.5	1.5
REP 2620792	QC																					
2620797	Drill Core		0.069	2.6	11	1.61	93	0.226	8.88	3.596	0.53	0.2	40.5	7	0.7	7.2	1.3	0.1	<1	6	9.3	0.6
REP 2620797	QC		0.070	2.8	11	1.65	96	0.234	8.97	3.683	0.55	0.2	41.9	8	0.7	7.6	1.3	0.2	<1	6	9.8	0.6
2620958 DUP of 2620830	Drill Core		0.157	5.4	272	5.17	99	0.469	6.65	1.783	0.41	0.1	19.1	14	0.8	12.7	0.7	<0.1	<1	48	10.6	<0.1
REP 2620958 DUP of	QC		0.157	5.3	275	5.22	110	0.463	6.77	1.760	0.42	<0.1	18.8	13	0.6	12.8	0.7	<0.1	<1	49	10.7	<0.1
2620522	Drill Core		0.146	6.9	142	2.59	529	0.489	8.16	3.845	1.13	0.6	61.2	17	0.9	15.6	2.1	0.1	<1	23	9.5	<0.1
REP 2620522	QC																					
2620535	Drill Core		0.102	9.1	86	3.84	277	0.483	8.64	2.979	0.83	0.2	23.5	19	0.6	13.8	1.2	<0.1	<1	34	17.3	0.1
REP 2620535	QC		0.107	9.2	88	3.89	285	0.496	8.69	3.076	0.84	0.2	24.6	20	0.7	14.3	1.2	<0.1	<1	34	18.0	0.1
Core Reject Duplicates																						
2620808	Drill Core		0.150	5.5	99	3.50	93	0.512	7.64	1.365	0.25	0.6	15.9	11	0.9	11.4	0.5	<0.1	<1	30	16.3	0.8
DUP 2620808	QC		0.144	5.8	99	3.37	91	0.505	7.54	1.246	0.25	0.6	15.8	11	0.6	11.3	0.6	<0.1	<1	30	15.4	0.7
2620515	Drill Core		0.068	39.2	140	3.61	770	0.428	7.81	1.674	1.11	0.3	21.9	40	0.9	16.7	0.9	<0.1	<1	28	15.1	1.6
DUP 2620515	QC		0.071	29.5	139	3.58	556	0.407	7.97	1.855	1.14	0.4	21.6	35	0.8	14.0	1.0	<0.1	<1	29	16.4	1.6
Reference Materials																						
STD OREAS132A	Standard																					
STD OREAS134B	Standard																					
STD OREAS25A-4A	Standard		0.052	22.2	113	0.38	153	0.968	9.11	0.141	0.51	1.9	148.8	47	3.8	10.3	20.0	1.5	<1	13	39.7	<0.1
STD OREAS25A-4A	Standard		0.052	24.1	121	0.36	153	0.967	9.28	0.128	0.48	2.0	156.3	51	4.7	12.1	19.9	1.5	1	13	41.3	<0.1
STD OREAS25A-4A	Standard		0.048	19.6	112	0.32	150	0.996	8.46	0.141	0.47	1.9	154.6	44	4.0	9.2	20.0	1.5	1	13	39.0	<0.1
STD OREAS45E	Standard		0.038	11.4	978	0.18	256	0.559	7.03	0.066	0.33	1.1	97.3	24	1.2	7.9	6.5	0.5	<1	94	6.9	<0.1
STD OREAS45E	Standard		0.037	12.2	1090	0.18	255	0.565	7.10	0.054	0.34	1.0	94.8	26	1.5	8.6	6.4	0.5	<1	97	7.1	<0.1
STD OREAS45E	Standard		0.034	11.7	967	0.17	266	0.530	7.00	0.056	0.34	0.9	96.7	24	1.4	7.5	6.0	0.5	<1	96	7.1	<0.1
STD OREAS45E	Standard		0.032	10.4	926	0.15	250	0.558	7.00	0.057	0.33	0.9	100.5	23	1.2	7.3	6.0	0.5	<1	98	7.5	<0.1
STD OXD108	Standard																					
STD OXD108	Standard																					
STD OXI121	Standard																					

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000345.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
	Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
Pulp Duplicates									
2620792	Drill Core	55.0	0.6	<0.05	0.162	6	1.0	<0.5	
REP 2620792	QC								
2620797	Drill Core	10.6	1.2	<0.05	<0.005	2	1.9	<0.5	
REP 2620797	QC	10.5	1.3	<0.05	<0.005	2	1.0	<0.5	
2620958 DUP of 2620830	Drill Core	8.9	0.7	0.06	<0.005	<1	1.2	<0.5	
REP 2620958 DUP of	QC	8.9	0.6	<0.05	<0.005	<1	1.4	<0.5	
2620522	Drill Core	22.5	1.8	<0.05	0.007	<1	1.1	<0.5	
REP 2620522	QC								
2620535	Drill Core	24.0	0.7	0.09	<0.005	<1	1.4	<0.5	
REP 2620535	QC	28.5	0.9	0.07	<0.005	<1	<0.5	<0.5	
Core Reject Duplicates									
2620808	Drill Core	7.4	0.5	0.20	<0.005	2	2.9	<0.5	
DUP 2620808	QC	6.8	0.6	0.21	<0.005	3	1.4	<0.5	
2620515	Drill Core	95.8	0.9	0.13	0.059	2	0.7	<0.5	
DUP 2620515	QC	70.8	0.8	0.10	0.067	2	0.6	<0.5	
Reference Materials									
STD OREAS132A	Standard								0.05
STD OREAS134B	Standard								0.13
STD OREAS25A-4A	Standard	57.7	4.0	0.11	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	62.1	4.3	0.13	<0.005	3	<0.5	<0.5	
STD OREAS25A-4A	Standard	54.5	4.4	0.08	<0.005	1	<0.5	<0.5	
STD OREAS45E	Standard	21.1	3.0	0.07	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	20.9	3.0	0.17	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	21.1	2.7	0.08	<0.005	1	<0.5	<0.5	
STD OREAS45E	Standard	21.2	3.2	<0.05	<0.005	3	<0.5	<0.5	
STD OXD108	Standard								
STD OXD108	Standard								
STD OXI121	Standard								

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000345.2

		WGHT Wgt kg 0.01	FA430 Au ppm 0.005	MA200 Mo ppm 0.1	MA200 Cu ppm 0.1	MA200 Pb ppm 0.1	MA200 Zn ppm 1	MA200 Ag ppm 0.1	MA200 Ni ppm 0.1	MA200 Co ppm 0.2	MA200 Mn ppm 1	MA200 Fe % 0.01	MA200 As ppm 1	MA200 U ppm 0.1	MA200 Th ppm 0.1	MA200 Sr ppm 1	MA200 Cd ppm 0.1	MA200 Sb ppm 0.1	MA200 Bi ppm 0.1	MA200 V ppm 1	MA200 Ca % 0.01
STD OXI121	Standard		1.904																		
STD OXN117	Standard		7.737																		
STD OXN117	Standard		7.934																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	0.2	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01
BLK	Blank			<0.1	<0.1	0.1	<1	<0.1	0.1	<0.2	1	<0.01	1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	0.1	<0.2	1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.2	3	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank		<0.005	0.2	4.3	21.5	57	<0.1	2.8	4.8	778	2.32	<1	2.6	8.7	748	0.2	<0.1	0.1	47	2.41
G1-SMI	Prep Blank		<0.005	0.2	3.9	21.4	53	<0.1	3.1	4.9	776	2.36	<1	2.7	8.6	740	<0.1	<0.1	0.1	49	2.40

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000345.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.005	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.2	<0.1
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	0.089	27.6	10	0.58	1016	0.266	7.43	2.674	2.97	0.2	11.1	59	1.5	14.5	24.6	1.5	3	5	42.0	<0.1
G1-SMI	Prep Blank	0.085	24.9	9	0.58	1026	0.268	7.42	2.714	3.05	0.2	11.2	52	1.8	13.3	24.7	1.5	3	5	38.8	<0.1

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Bureau Veritas Commodities Canada Ltd.
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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000345.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
STD OXI121	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXD108 Expected									
STD OXN117 Expected									
STD OXI121 Expected									
STD OREAS25A-4A		61	4.53					0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	
STD OREAS132A Expected									0.0458
STD OREAS134B Expected									0.1348
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	0.5	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	0.2	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								<0.01
Prep Wash									
G1-SMI	Prep Blank	118.4	0.6	<0.05	<0.005	<1	<0.5	1.0	
G1-SMI	Prep Blank	121.5	0.6	<0.05	<0.005	<1	<0.5	1.0	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Farshad Shirvani
Receiving Lab: Canada-Smithers
Received: July 03, 2014
Report Date: September 24, 2014
Page: 1 of 4

CERTIFICATE OF ANALYSIS SMI14000342.2

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 66

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	65	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	65	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	65	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA404	3	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : MA404-Cu included. Cannot prepare and analyze the greased sample 2620599.

Invoice To: Doubleview Capital Corp.
310-675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Email Distribution List

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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All results are considered the confidential property of the client. Acme 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.

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000342.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620546	Drill Core	8.09	0.011	0.3	94.8	1.3	37	<0.1	30.3	27.0	1230	5.43	3	0.5	0.7	427	<0.1	0.2	<0.1	228	6.67
2620547	Drill Core	7.22	0.124	0.3	113.4	1.4	44	0.3	27.4	27.8	1194	5.90	2	0.5	0.7	443	<0.1	0.1	<0.1	258	6.35
2620548	Drill Core	7.39	0.013	1.2	289.9	1.3	36	0.1	38.5	30.2	1061	6.90	2	0.9	1.6	422	<0.1	0.3	<0.1	248	5.80
2620549	Drill Core	6.86	0.028	0.8	200.3	1.3	29	<0.1	9.7	23.1	762	5.87	5	1.6	2.6	258	<0.1	0.6	<0.1	188	4.87
2620550	Drill Core	9.52	0.111	1.3	1282.1	2.1	30	0.2	17.7	58.3	966	6.82	9	1.3	1.8	341	<0.1	1.1	<0.1	240	6.15
2620959 DUP of 2620550	Drill Core		0.111	1.5	1325.5	2.1	28	0.5	17.1	57.5	982	6.84	7	1.4	1.7	334	<0.1	1.1	<0.1	235	6.13
2620551	Drill Core	6.43	0.100	4.3	773.4	2.1	34	0.2	26.2	85.2	971	6.72	7	1.1	1.9	327	<0.1	0.9	<0.1	303	6.20
2620552	Drill Core	6.23	0.117	7.4	655.8	2.1	37	0.2	38.3	58.4	998	7.19	8	1.1	1.6	318	<0.1	0.6	<0.1	292	4.88
2620553	Drill Core	7.91	0.038	1.5	531.6	1.9	48	<0.1	26.2	46.0	1329	7.07	5	1.1	1.7	292	<0.1	0.6	<0.1	304	5.82
2620554	Drill Core	6.88	0.180	1.8	354.0	1.3	37	<0.1	19.6	43.8	1293	6.41	7	1.8	2.5	393	<0.1	1.2	<0.1	245	4.51
2620555	Drill Core	7.72	0.134	1.6	638.5	1.6	32	<0.1	21.9	50.1	1261	7.51	7	1.5	1.8	518	<0.1	1.8	<0.1	281	5.50
2620556	Drill Core	8.49	0.199	2.5	1106.9	1.3	42	0.1	23.7	34.5	1271	7.29	3	1.5	1.9	442	<0.1	1.1	<0.1	299	5.89
2620557	Drill Core	8.08	0.099	2.8	784.2	1.3	42	0.1	24.1	54.3	1141	7.14	3	1.5	1.8	296	<0.1	0.2	<0.1	285	5.31
2620558	Drill Core	8.19	0.139	1.3	1294.2	1.2	43	0.2	28.0	48.8	1330	7.69	8	1.3	1.6	364	<0.1	0.6	<0.1	296	5.53
2620559	Drill Core	8.17	1.590	0.9	4825.9	2.3	37	0.6	59.3	215.3	1460	9.64	13	1.7	1.6	720	<0.1	3.1	0.1	279	6.44
2620560	Drill Core	8.21	0.509	1.1	2116.4	1.5	39	0.2	36.6	71.0	1344	8.66	4	1.1	1.8	426	<0.1	1.4	<0.1	326	5.05
2620561	Drill Core	7.38	0.211	8.4	1432.6	1.0	33	0.1	31.7	77.9	1145	7.37	6	0.9	1.4	351	<0.1	1.0	<0.1	207	4.12
2620562	Drill Core	8.87	0.387	1.8	2232.1	2.2	32	0.3	58.2	192.5	1194	11.24	9	1.1	1.0	432	<0.1	1.1	<0.1	211	4.64
2620563	Drill Core	7.58	0.141	1.9	1516.9	1.1	30	0.2	29.7	43.2	981	7.29	3	0.9	0.9	425	<0.1	1.0	<0.1	267	5.97
2620564	Drill Core	7.65	0.333	1.4	2533.6	1.3	36	0.3	44.2	94.0	1218	8.74	4	1.0	0.6	439	<0.1	1.5	<0.1	299	6.08
2620565	Drill Core	6.94	0.042	1.5	1007.6	1.3	31	0.4	32.7	36.5	998	7.10	3	0.6	0.5	325	<0.1	0.4	<0.1	311	6.72
2620566	Drill Core	7.09	0.049	1.4	798.5	1.0	29	<0.1	38.4	45.3	877	7.30	4	0.8	0.7	190	<0.1	0.2	<0.1	267	6.54
2620567	Drill Core	0.64	0.017	0.3	286.1	0.9	28	<0.1	35.3	38.3	793	7.08	3	0.7	0.7	366	<0.1	0.1	<0.1	304	5.63
2620568	Drill Core	6.54	0.014	0.6	282.0	1.0	31	<0.1	48.0	41.4	821	7.63	2	0.7	0.7	245	<0.1	0.2	<0.1	307	6.57
2620569	Drill Core	7.25	0.045	0.4	517.7	1.3	32	<0.1	46.0	35.6	843	6.83	3	0.6	0.6	303	<0.1	0.2	<0.1	274	6.86
2620570	Drill Core	8.16	0.103	0.4	1389.7	1.2	44	0.2	87.2	64.7	1249	9.11	3	0.5	0.6	189	<0.1	0.3	<0.1	289	7.36
2620571	Drill Core	7.95	0.123	0.3	1068.0	1.2	42	0.1	76.0	56.2	1242	7.91	5	0.4	0.5	304	<0.1	1.0	<0.1	229	6.87
2620572	Drill Core	7.83	0.267	0.3	1798.2	1.0	39	0.2	73.8	47.3	1210	8.65	4	0.5	0.5	327	<0.1	0.4	<0.1	240	6.10
2620573	Drill Core	7.86	0.140	0.5	2244.2	1.1	50	0.2	135.7	73.3	1618	10.54	7	0.4	0.5	232	<0.1	0.9	<0.1	264	7.13
2620574	Drill Core	8.02	0.325	0.3	2265.0	1.4	48	0.2	129.5	136.6	1764	10.37	7	0.5	0.6	308	<0.1	1.4	<0.1	248	6.89

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000342.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620546	Drill Core	0.060	5.0	73	2.93	380	0.440	8.17	2.789	1.02	0.2	16.9	10	0.4	13.5	1.0	<0.1	<1	24	12.7	<0.1
2620547	Drill Core	0.071	5.9	50	2.87	380	0.477	8.56	2.969	1.02	0.1	15.9	12	0.4	16.2	1.3	<0.1	<1	24	11.5	<0.1
2620548	Drill Core	0.130	9.9	103	3.04	403	0.484	7.95	3.197	0.97	0.3	21.1	19	0.6	19.7	1.7	0.1	<1	27	10.9	<0.1
2620549	Drill Core	0.202	12.1	6	1.49	146	0.464	8.59	4.839	0.58	0.5	19.5	25	0.6	23.8	2.2	0.1	<1	15	8.3	0.1
2620550	Drill Core	0.202	12.9	17	1.66	154	0.510	7.89	3.673	0.60	0.7	16.3	26	0.8	20.9	1.5	<0.1	1	19	7.8	0.6
2620959 DUP of 2620550	Drill Core	0.214	12.5	17	1.65	144	0.533	8.16	3.641	0.60	0.8	16.3	25	0.9	20.8	1.4	<0.1	<1	19	9.3	0.5
2620551	Drill Core	0.191	11.4	36	1.81	300	0.521	7.84	3.161	0.85	0.7	25.7	22	1.0	17.9	1.7	<0.1	<1	24	10.4	0.6
2620552	Drill Core	0.105	7.1	103	3.06	509	0.458	7.98	2.679	1.43	1.0	22.8	16	0.9	15.6	1.8	<0.1	<1	26	14.2	0.4
2620553	Drill Core	0.096	9.3	49	3.31	259	0.492	8.47	2.643	0.93	0.8	25.2	20	0.6	14.9	1.6	0.1	1	29	17.0	0.2
2620554	Drill Core	0.105	8.8	39	2.61	319	0.468	8.24	4.030	0.82	0.7	39.0	21	0.8	16.1	1.9	0.1	1	25	10.1	0.3
2620555	Drill Core	0.122	9.3	43	2.80	220	0.461	7.83	3.109	0.66	0.7	31.5	21	0.9	16.5	1.7	<0.1	1	29	10.5	0.3
2620556	Drill Core	0.114	11.2	45	2.99	318	0.485	7.96	2.570	1.07	0.4	31.0	23	0.9	14.9	1.6	<0.1	<1	31	10.8	0.2
2620557	Drill Core	0.117	10.1	47	3.04	367	0.505	7.86	2.814	1.29	2.8	32.6	22	0.9	16.0	1.4	<0.1	1	31	12.5	0.3
2620558	Drill Core	0.161	8.6	55	3.17	287	0.507	7.68	2.821	1.01	3.1	32.5	19	1.1	15.3	1.1	<0.1	<1	32	12.1	0.3
2620559	Drill Core	0.115	40.7	49	2.88	427	0.437	7.53	1.840	0.77	0.7	22.1	57	1.5	15.2	1.1	<0.1	<1	28	9.2	1.7
2620560	Drill Core	0.082	6.6	73	3.27	233	0.481	7.64	2.649	0.79	0.6	27.8	15	1.0	16.1	1.3	<0.1	<1	34	11.6	0.5
2620561	Drill Core	0.074	6.6	29	2.13	881	0.337	8.65	2.729	1.90	0.5	22.2	13	0.7	7.3	0.7	<0.1	<1	16	15.9	0.6
2620562	Drill Core	0.086	3.3	69	2.17	313	0.364	7.21	1.553	2.75	0.3	28.3	10	0.9	12.3	1.0	<0.1	1	19	10.9	1.5
2620563	Drill Core	0.075	4.2	57	2.75	219	0.394	8.12	2.838	0.83	0.3	29.0	10	0.7	10.6	0.9	<0.1	<1	28	11.5	0.3
2620564	Drill Core	0.065	4.7	71	3.16	547	0.440	7.70	2.145	1.19	0.4	19.4	12	1.0	12.4	0.7	<0.1	<1	31	10.5	0.8
2620565	Drill Core	0.080	4.6	67	3.12	254	0.500	7.99	2.639	0.74	0.3	16.8	11	0.8	13.7	0.6	<0.1	<1	32	10.5	0.2
2620566	Drill Core	0.099	4.6	69	3.09	324	0.416	8.11	2.272	0.96	0.3	21.3	12	0.8	13.0	0.7	<0.1	<1	31	9.1	0.3
2620567	Drill Core	0.067	4.1	82	3.57	314	0.407	7.82	2.804	1.09	0.2	21.0	11	0.7	12.0	0.6	<0.1	<1	37	7.9	0.1
2620568	Drill Core	0.073	4.6	104	3.51	203	0.441	7.43	2.349	0.63	0.2	22.2	12	0.9	14.4	0.8	<0.1	<1	39	9.1	0.1
2620569	Drill Core	0.136	5.0	92	3.36	229	0.418	7.78	2.615	0.74	0.2	21.0	12	0.7	13.6	0.7	<0.1	<1	34	11.1	0.2
2620570	Drill Core	0.075	4.1	282	4.64	103	0.449	6.44	1.691	0.44	0.2	26.5	11	1.0	16.1	0.9	<0.1	<1	42	9.1	0.5
2620571	Drill Core	0.082	3.8	211	4.11	124	0.347	6.87	1.962	0.45	0.3	20.2	10	0.7	13.8	0.8	<0.1	<1	34	9.8	0.4
2620572	Drill Core	0.114	3.6	192	4.50	365	0.366	6.90	1.855	0.97	0.2	20.5	10	0.9	15.6	0.7	<0.1	<1	37	8.7	0.4
2620573	Drill Core	0.110	3.5	479	5.67	325	0.520	5.75	1.262	0.79	0.4	19.8	10	1.1	19.2	1.2	<0.1	<1	45	11.9	0.5
2620574	Drill Core	0.133	4.2	331	4.97	213	0.543	6.27	1.309	0.60	0.5	20.2	11	1.0	19.6	1.1	<0.1	<1	40	13.3	0.9

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000342.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620546	Drill Core	33.9	0.7	0.05	<0.005	<1	1.1	<0.5	
2620547	Drill Core	26.7	0.7	<0.05	<0.005	<1	1.2	<0.5	
2620548	Drill Core	32.1	1.0	0.06	0.011	<1	<0.5	<0.5	
2620549	Drill Core	21.6	0.9	0.05	0.008	<1	<0.5	<0.5	
2620550	Drill Core	22.7	0.8	0.06	0.008	1	<0.5	<0.5	
2620959 DUP of 2620550	Drill Core	21.9	0.8	0.07	0.008	1	0.5	<0.5	
2620551	Drill Core	29.5	1.1	0.08	0.027	<1	1.1	<0.5	
2620552	Drill Core	42.6	1.0	0.06	0.055	<1	<0.5	<0.5	
2620553	Drill Core	36.0	1.0	<0.05	0.016	<1	0.8	<0.5	
2620554	Drill Core	26.2	1.4	<0.05	0.023	<1	1.0	<0.5	
2620555	Drill Core	23.0	1.1	0.08	0.015	<1	0.7	<0.5	
2620556	Drill Core	39.6	1.2	0.11	0.024	<1	0.5	<0.5	
2620557	Drill Core	49.9	1.2	0.07	0.019	1	0.5	<0.5	
2620558	Drill Core	35.1	1.1	0.08	0.013	<1	0.9	<0.5	
2620559	Drill Core	22.7	0.9	0.16	0.013	2	0.9	<0.5	
2620560	Drill Core	28.1	1.0	0.08	0.013	<1	1.0	<0.5	
2620561	Drill Core	46.9	0.6	<0.05	0.112	<1	<0.5	<0.5	
2620562	Drill Core	61.4	1.0	<0.05	0.058	2	<0.5	<0.5	
2620563	Drill Core	30.9	1.1	0.09	0.013	<1	0.8	<0.5	
2620564	Drill Core	32.6	0.7	0.09	0.044	1	0.8	<0.5	
2620565	Drill Core	27.1	0.8	<0.05	0.034	<1	0.7	<0.5	
2620566	Drill Core	30.6	0.8	<0.05	0.057	<1	1.7	<0.5	
2620567	Drill Core	40.0	0.8	0.09	0.006	<1	0.6	<0.5	
2620568	Drill Core	24.3	0.8	0.05	0.014	<1	1.5	<0.5	
2620569	Drill Core	27.9	0.9	<0.05	0.046	<1	1.3	<0.5	
2620570	Drill Core	15.4	1.0	0.11	0.113	<1	1.1	<0.5	
2620571	Drill Core	18.1	0.8	0.10	0.160	<1	1.5	<0.5	
2620572	Drill Core	33.2	0.8	0.08	0.054	<1	0.8	<0.5	
2620573	Drill Core	20.6	0.9	0.08	0.070	<1	2.1	<0.5	
2620574	Drill Core	18.9	0.9	0.10	0.313	<1	0.5	<0.5	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000342.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620575	Drill Core	7.68	0.130	0.2	807.0	1.0	59	0.1	192.5	54.7	1995	8.78	9	0.4	0.4	254	<0.1	0.9	<0.1	224	6.06
2620576	Drill Core	7.86	0.031	0.9	264.3	0.9	56	<0.1	150.0	47.7	1875	8.85	8	0.5	0.6	240	<0.1	0.4	<0.1	249	6.28
2620577	Drill Core	7.65	0.070	0.5	1213.3	0.9	48	9.4	108.2	59.3	1532	9.22	5	0.7	0.8	180	<0.1	0.5	<0.1	256	6.09
2620578	Drill Core	7.50	0.258	0.5	2036.8	3.9	45	0.4	103.2	85.2	1558	11.69	9	0.8	0.9	589	<0.1	1.9	<0.1	295	7.46
2620579	Drill Core	7.35	0.051	0.3	632.1	0.9	49	0.1	91.6	51.3	1367	8.93	2	0.4	0.6	238	<0.1	0.2	<0.1	318	6.94
2620580	Drill Core	8.13	0.033	0.3	454.9	1.0	58	0.1	51.0	45.5	1480	8.42	<1	0.5	0.8	240	<0.1	0.3	<0.1	324	6.85
2620581	Drill Core	6.81	0.043	0.2	537.6	1.3	40	<0.1	25.3	37.4	859	7.02	1	0.8	1.3	534	<0.1	0.7	<0.1	288	5.71
2620582	Drill Core	8.15	0.074	0.3	807.2	1.0	43	<0.1	31.2	37.6	1088	8.26	<1	0.9	1.2	436	<0.1	0.4	<0.1	338	5.75
2620583	Drill Core	7.63	0.184	0.6	1793.1	1.3	44	0.3	33.1	55.1	1147	7.60	3	1.0	1.1	364	<0.1	0.7	<0.1	290	5.23
2620584	Drill Core	7.94	0.337	1.3	3186.9	1.6	37	0.3	64.5	121.4	1331	11.98	12	0.9	1.1	361	<0.1	1.0	<0.1	300	5.26
2620585	Drill Core	7.96	0.486	0.6	5079.2	1.1	35	0.5	55.3	74.8	983	8.83	5	1.3	1.5	343	<0.1	0.5	<0.1	283	4.57
2620586	Drill Core	4.25	0.328	0.6	4093.7	1.0	41	0.4	109.9	83.8	1278	8.33	1	0.7	0.9	330	<0.1	0.4	<0.1	259	5.98
2620587	Drill Core	8.61	0.804	0.2	6535.6	2.6	36	0.9	121.5	210.6	1196	10.47	6	0.9	1.1	325	<0.1	1.0	<0.1	245	4.65
2620588	Drill Core	3.28	0.094	3.0	858.6	1.3	20	0.1	17.6	44.7	651	6.26	2	1.2	1.1	344	<0.1	1.4	<0.1	245	6.24
2620589	Drill Core	7.48	0.063	0.2	730.1	0.8	21	0.3	15.3	28.2	657	6.38	2	1.2	1.3	321	<0.1	0.8	<0.1	212	4.71
2620590	Drill Core	8.26	0.324	0.3	2701.4	1.4	21	0.3	21.4	39.6	738	6.58	4	1.2	1.3	393	<0.1	1.1	<0.1	187	4.47
2620591	Drill Core	8.08	0.305	0.3	3016.5	1.5	29	0.3	34.6	99.7	960	9.03	6	1.0	1.3	334	<0.1	0.5	<0.1	207	4.12
2620592	Drill Core	7.76	0.207	0.3	2513.7	1.1	46	0.3	55.6	107.1	1631	11.03	5	0.6	0.6	218	<0.1	0.5	<0.1	353	5.07
2620593	Drill Core	8.95	0.218	0.3	2837.4	1.4	52	0.3	52.7	70.3	1823	11.38	5	0.5	0.5	222	<0.1	0.6	<0.1	365	5.21
2620594	Drill Core	8.58	0.230	0.3	2316.6	1.8	40	0.3	43.4	75.4	1359	9.69	4	0.7	0.7	339	<0.1	1.2	<0.1	334	6.29
2620595	Drill Core	4.59	0.152	0.6	1558.4	1.1	43	0.2	32.8	60.0	1320	8.56	5	0.7	1.0	299	<0.1	0.7	<0.1	319	4.89
2620596	Drill Core	7.17	1.869	3.4	>10000	8.1	44	2.3	156.2	453.6	1843	18.16	36	0.8	1.2	889	<0.1	4.9	0.2	326	6.03
2620597	Drill Core	3.83	1.450	0.1	>10000	3.9	66	1.4	214.9	284.3	2423	17.88	10	0.4	1.8	353	0.1	2.3	<0.1	318	4.82
2620598	Drill Core	2.33	1.050	3.3	>10000	4.3	63	4.8	187.4	312.6	2319	17.48	6	0.7	1.2	297	0.1	1.6	<0.1	332	4.75
2620599	Drill Core	1.82																			
2620600	Drill Core	3.46	0.215	0.1	3043.2	0.9	41	0.4	141.9	74.0	1568	12.11	3	0.2	0.8	144	<0.1	0.4	<0.1	297	5.32
2620960 DUP of 2620600	Drill Core		0.208	0.2	3037.3	0.8	42	0.4	138.0	75.9	1586	11.51	2	0.2	0.6	138	<0.1	0.4	<0.1	292	5.19
2620601	Drill Core	2.98	0.393	0.7	6303.8	2.5	53	0.7	143.1	179.2	1983	15.65	8	0.3	0.8	299	<0.1	1.6	<0.1	334	5.92
2620602	Drill Core	2.49	0.292	2.9	3421.7	2.3	47	0.5	117.3	115.4	1824	13.38	5	0.7	0.9	251	<0.1	1.3	<0.1	429	5.75
2620603	Drill Core	3.98	0.342	0.7	3396.3	2.1	33	0.4	47.4	95.9	1115	10.14	7	1.5	1.1	484	<0.1	1.7	<0.1	315	4.32

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000342.2

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620575	Drill Core		0.186	4.6	495	5.76	243	0.445	6.36	1.646	0.58	0.4	19.3	11	0.6	18.0	0.9	<0.1	<1	42	21.1	0.2
2620576	Drill Core		0.180	3.6	507	5.44	239	0.447	6.21	1.844	0.60	0.4	23.3	10	0.9	18.4	0.9	<0.1	<1	47	18.5	0.1
2620577	Drill Core		0.185	4.3	354	4.70	124	0.478	6.20	1.987	0.39	0.3	23.2	11	1.0	15.7	0.8	<0.1	<1	36	14.4	0.3
2620578	Drill Core		0.266	5.2	347	4.31	137	0.458	6.85	1.711	0.47	0.6	23.3	13	1.2	15.5	0.8	<0.1	<1	37	13.5	0.7
2620579	Drill Core		0.189	4.8	264	5.00	231	0.530	6.87	1.627	0.71	0.3	21.5	11	1.0	14.5	0.7	<0.1	<1	40	15.7	0.2
2620580	Drill Core		0.163	5.1	247	4.95	204	0.525	7.15	1.709	0.68	0.2	21.3	12	0.7	15.2	0.9	<0.1	<1	42	17.1	0.1
2620581	Drill Core		0.122	6.3	34	2.78	283	0.526	9.57	3.231	0.96	0.3	22.9	15	0.8	16.8	0.9	<0.1	<1	30	17.1	0.3
2620582	Drill Core		0.107	6.2	52	3.49	408	0.559	8.55	2.821	1.01	0.3	22.9	13	1.0	15.4	0.8	<0.1	<1	39	19.0	0.2
2620583	Drill Core		0.096	4.8	29	3.02	429	0.484	9.02	2.970	1.01	0.3	21.1	12	0.9	12.6	0.9	<0.1	<1	30	18.1	0.4
2620584	Drill Core		0.113	3.8	146	2.72	377	0.419	7.29	1.361	1.99	0.4	21.1	11	1.2	14.8	1.1	<0.1	<1	27	22.6	1.2
2620585	Drill Core		0.126	5.6	123	3.22	519	0.462	8.34	3.373	1.01	0.2	30.6	15	1.3	18.9	1.3	<0.1	<1	27	19.5	0.9
2620586	Drill Core		0.112	3.6	230	3.51	579	0.455	7.24	1.905	1.38	0.5	21.4	10	1.2	13.0	1.0	<0.1	<1	24	18.0	0.9
2620587	Drill Core		0.102	3.3	155	3.17	164	0.384	8.09	1.784	1.76	0.6	24.4	10	1.2	13.0	1.1	<0.1	<1	20	22.6	1.9
2620588	Drill Core		0.108	4.9	16	2.13	100	0.434	9.39	3.248	0.53	0.4	38.8	12	0.8	16.1	1.4	<0.1	<1	19	10.3	0.4
2620589	Drill Core		0.102	5.2	13	2.03	129	0.443	8.85	4.093	0.51	0.5	44.9	12	0.9	16.8	1.4	<0.1	<1	19	12.5	0.2
2620590	Drill Core		0.092	4.3	16	1.98	542	0.388	8.82	3.432	1.17	0.4	35.9	12	1.0	15.0	1.3	<0.1	<1	18	12.5	0.5
2620591	Drill Core		0.099	4.2	22	2.44	422	0.432	8.60	3.416	1.03	0.5	36.6	11	1.0	14.0	1.4	<0.1	<1	19	14.5	1.0
2620592	Drill Core		0.111	3.4	51	3.64	331	0.500	7.83	2.034	0.89	0.6	19.5	9	1.0	11.2	0.6	<0.1	<1	34	18.5	0.8
2620593	Drill Core		0.130	3.5	61	3.97	461	0.479	7.75	1.723	0.97	0.8	15.3	9	0.8	11.3	0.4	<0.1	<1	38	23.0	0.6
2620594	Drill Core		0.129	5.0	58	3.60	342	0.469	8.14	1.973	0.62	0.5	20.2	11	0.9	13.4	0.6	<0.1	<1	36	21.8	0.6
2620595	Drill Core		0.088	4.8	50	3.55	355	0.486	8.85	2.556	0.87	0.6	20.5	11	0.9	11.1	0.7	<0.1	<1	33	18.3	0.4
2620596	Drill Core		0.084	12.7	186	3.45	57	0.330	7.36	1.185	0.19	1.1	22.2	19	1.2	10.3	0.9	<0.1	<1	23	13.6	5.2
2620597	Drill Core		0.095	8.5	673	6.16	54	0.387	5.86	0.550	0.14	1.9	14.1	16	1.5	9.4	0.7	<0.1	<1	35	21.7	2.8
2620598	Drill Core		0.126	10.4	482	5.82	155	0.436	6.26	0.954	0.49	29.5	19.9	18	1.6	11.4	0.8	<0.1	<1	36	22.7	2.9
2620599	Drill Core																					
2620600	Drill Core		0.087	1.8	612	6.94	126	0.380	5.66	1.371	0.34	1.4	15.7	5	1.8	9.5	0.5	<0.1	<1	33	28.8	0.6
2620960 DUP of 2620600	Drill Core		0.086	1.9	614	7.04	120	0.351	5.48	1.313	0.31	1.4	14.0	5	1.6	8.8	0.6	<0.1	<1	32	28.1	0.6
2620601	Drill Core		0.083	3.5	549	6.07	76	0.356	5.71	0.931	0.27	2.0	13.9	7	2.0	8.9	0.5	<0.1	<1	31	22.0	1.6
2620602	Drill Core		0.078	5.2	347	5.78	68	0.483	6.38	1.422	0.25	1.3	14.8	11	1.6	11.7	0.5	<0.1	<1	41	18.8	1.0
2620603	Drill Core		0.108	5.7	60	3.17	145	0.441	8.00	3.419	0.37	0.4	28.3	15	1.5	14.9	1.1	<0.1	<1	26	13.5	1.0

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000342.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620575	Drill Core	19.3	0.8	0.09	0.018	<1	1.4	<0.5	
2620576	Drill Core	19.3	0.9	0.10	0.013	<1	1.7	<0.5	
2620577	Drill Core	13.6	0.9	0.06	0.012	<1	1.2	<0.5	
2620578	Drill Core	16.2	0.7	0.08	0.053	<1	0.8	<0.5	
2620579	Drill Core	24.9	0.8	0.07	0.043	<1	1.5	<0.5	
2620580	Drill Core	24.7	0.8	0.06	0.007	<1	2.2	<0.5	
2620581	Drill Core	33.3	0.8	0.08	0.019	<1	0.8	<0.5	
2620582	Drill Core	37.5	0.7	<0.05	0.016	<1	<0.5	<0.5	
2620583	Drill Core	36.3	0.8	0.07	0.018	<1	1.0	<0.5	
2620584	Drill Core	59.3	0.7	0.07	0.172	1	<0.5	<0.5	
2620585	Drill Core	30.7	1.0	0.06	0.049	<1	<0.5	<0.5	
2620586	Drill Core	38.0	0.8	0.06	0.056	2	1.5	<0.5	
2620587	Drill Core	47.1	1.0	0.05	0.091	4	0.6	<0.5	
2620588	Drill Core	23.4	1.3	0.06	0.021	<1	0.7	<0.5	
2620589	Drill Core	21.9	1.4	<0.05	0.006	<1	<0.5	<0.5	
2620590	Drill Core	34.0	1.2	0.07	0.026	<1	<0.5	<0.5	
2620591	Drill Core	31.8	1.1	<0.05	0.066	1	<0.5	<0.5	
2620592	Drill Core	33.4	0.7	0.11	0.120	2	0.9	<0.5	
2620593	Drill Core	32.3	0.6	0.06	0.026	1	0.7	<0.5	
2620594	Drill Core	21.8	0.7	0.10	0.011	<1	1.0	<0.5	
2620595	Drill Core	31.9	0.7	0.06	0.024	1	<0.5	<0.5	
2620596	Drill Core	4.1	0.8	0.15	0.397	10	0.5	<0.5	1.68
2620597	Drill Core	2.1	0.5	0.14	0.132	6	0.5	<0.5	1.24
2620598	Drill Core	13.7	0.7	0.12	0.176	6	1.1	<0.5	1.33
2620599	Drill Core								
2620600	Drill Core	7.9	0.6	0.10	0.014	<1	0.7	<0.5	
2620960 DUP of 2620600	Drill Core	7.1	0.6	0.10	0.008	<1	1.0	<0.5	
2620601	Drill Core	4.3	0.5	0.07	0.441	3	0.5	<0.5	
2620602	Drill Core	4.4	0.6	0.22	0.131	3	2.4	<0.5	
2620603	Drill Core	10.9	1.0	0.08	0.031	2	0.6	<0.5	

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Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000342.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620604	Drill Core	3.90	0.369	0.4	2979.9	4.3	49	0.5	63.0	103.3	1581	8.88	4	0.8	0.9	460	<0.1	2.1	<0.1	265	4.89
2620605	Drill Core	4.15	0.103	0.3	991.3	1.4	35	0.1	42.6	33.7	991	6.34	3	0.5	0.8	364	<0.1	0.6	<0.1	209	5.42
2620606	Drill Core	4.76	0.334	0.4	2405.1	1.8	32	0.3	38.2	37.1	1072	6.88	2	0.5	0.9	399	<0.1	1.1	<0.1	201	4.91
2620607	Drill Core	3.83	0.106	0.2	1268.9	1.4	26	0.2	24.5	27.3	802	6.02	2	0.8	1.3	307	<0.1	0.7	<0.1	172	4.95
2620608	Drill Core	5.19	0.099	0.3	1231.0	0.9	26	0.2	21.9	28.1	723	6.92	5	0.9	1.9	252	<0.1	0.3	<0.1	174	4.38
2620609	Drill Core	2.10	1.037	9.8	8074.6	5.0	60	12.1	217.4	288.3	2252	15.24	12	0.6	1.2	543	<0.1	2.8	<0.1	309	5.47

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000342.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620604	Drill Core	0.081	4.9	127	3.74	270	0.453	7.88	2.902	0.66	0.8	29.5	12	1.1	13.4	1.0	<0.1	<1	31	23.1	0.9
2620605	Drill Core	0.067	5.6	105	2.93	347	0.397	8.71	3.572	0.86	0.4	18.4	11	0.6	9.7	0.9	<0.1	<1	24	17.5	0.2
2620606	Drill Core	0.075	5.1	106	2.80	187	0.359	8.82	3.540	0.62	0.4	16.3	12	0.8	10.2	1.0	<0.1	<1	25	17.5	0.4
2620607	Drill Core	0.096	6.2	76	2.26	94	0.351	8.86	4.126	0.33	0.4	30.6	13	0.7	12.9	1.3	<0.1	<1	19	12.7	0.2
2620608	Drill Core	0.155	7.0	28	2.28	76	0.390	9.04	4.437	0.25	0.2	47.2	15	0.5	16.4	1.8	<0.1	<1	17	15.4	0.2
2620609	Drill Core	0.095	12.4	555	4.84	276	0.425	6.91	1.091	0.30	65.6	21.0	19	1.4	10.1	0.9	<0.1	<1	30	20.8	3.0

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000342.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620604	Drill Core	16.3	0.9	0.11	0.057	1	1.2	<0.5	
2620605	Drill Core	29.5	0.7	<0.05	0.005	<1	<0.5	<0.5	
2620606	Drill Core	22.9	0.6	0.09	<0.005	<1	0.7	<0.5	
2620607	Drill Core	12.5	1.0	<0.05	<0.005	<1	0.6	<0.5	
2620608	Drill Core	9.1	1.5	<0.05	<0.005	<1	<0.5	<0.5	
2620609	Drill Core	7.7	0.7	0.11	0.099	5	0.8	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000342.2

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
2620570	Drill Core	8.16	0.103	0.4	1389.7	1.2	44	0.2	87.2	64.7	1249	9.11	3	0.5	0.6	189	<0.1	0.3	<0.1	289	7.36
REP 2620570	QC			0.4	1385.2	1.3	43	0.2	89.9	66.2	1271	9.08	3	0.5	0.6	186	<0.1	0.4	<0.1	291	7.25
2620580	Drill Core	8.13	0.033	0.3	454.9	1.0	58	0.1	51.0	45.5	1480	8.42	<1	0.5	0.8	240	<0.1	0.3	<0.1	324	6.85
REP 2620580	QC		0.030																		
2620605	Drill Core	4.15	0.103	0.3	991.3	1.4	35	0.1	42.6	33.7	991	6.34	3	0.5	0.8	364	<0.1	0.6	<0.1	209	5.42
REP 2620605	QC			0.2	941.2	1.3	36	0.1	39.7	30.4	978	6.06	2	0.4	0.7	365	<0.1	0.5	<0.1	201	5.22
REP 2620564	QC		0.398																		
Core Reject Duplicates																					
2620551	Drill Core	6.43	0.100	4.3	773.4	2.1	34	0.2	26.2	85.2	971	6.72	7	1.1	1.9	327	<0.1	0.9	<0.1	303	6.20
DUP 2620551	QC		0.114	4.8	835.2	2.2	35	0.1	26.4	83.4	1074	6.61	6	1.2	1.9	295	<0.1	0.8	<0.1	308	6.25
2620589	Drill Core	7.48	0.063	0.2	730.1	0.8	21	0.3	15.3	28.2	657	6.38	2	1.2	1.3	321	<0.1	0.8	<0.1	212	4.71
DUP 2620589	QC		0.054	0.2	667.8	0.8	21	0.2	15.2	26.7	647	6.26	3	1.2	1.4	312	<0.1	0.8	<0.1	215	4.72
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard			2.7	34.4	28.0	44	0.1	48.1	7.5	499	6.23	11	3.2	17.1	46	0.1	0.6	0.4	153	0.28
STD OREAS25A-4A	Standard			2.7	36.6	28.5	44	<0.1	49.7	8.3	528	6.51	10	3.0	18.3	49	0.2	0.6	0.4	153	0.29
STD OREAS45E	Standard			2.4	749.8	20.4	49	0.4	458.4	59.0	545	25.36	18	2.9	14.4	14	<0.1	1.1	0.3	339	0.07
STD OREAS45E	Standard			2.3	794.0	20.5	50	0.3	479.9	61.4	539	26.11	18	2.7	14.1	13	0.1	1.0	0.3	344	0.07
STD OXD108	Standard		0.421																		
STD OXD108	Standard		0.448																		
STD OXD108	Standard		0.418																		
STD OXI121	Standard		1.808																		
STD OXI121	Standard		1.843																		
STD OXI121	Standard		1.862																		
STD OXN117	Standard		8.002																		
STD OXN117	Standard		7.719																		
STD OXN117	Standard		7.695																		

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000342.2

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																						
2620570	Drill Core		0.075	4.1	282	4.64	103	0.449	6.44	1.691	0.44	0.2	26.5	11	1.0	16.1	0.9	<0.1	<1	42	9.1	0.5
REP 2620570	QC		0.070	3.9	280	4.52	106	0.415	6.36	1.645	0.40	0.2	26.5	11	1.0	15.0	0.9	<0.1	<1	41	8.9	0.5
2620580	Drill Core		0.163	5.1	247	4.95	204	0.525	7.15	1.709	0.68	0.2	21.3	12	0.7	15.2	0.9	<0.1	<1	42	17.1	0.1
REP 2620580	QC																					
2620605	Drill Core		0.067	5.6	105	2.93	347	0.397	8.71	3.572	0.86	0.4	18.4	11	0.6	9.7	0.9	<0.1	<1	24	17.5	0.2
REP 2620605	QC		0.055	5.1	98	2.79	326	0.367	8.42	3.452	0.83	0.4	17.2	10	0.6	9.7	0.8	<0.1	<1	23	15.6	0.2
REP 2620564	QC																					
Core Reject Duplicates																						
2620551	Drill Core		0.191	11.4	36	1.81	300	0.521	7.84	3.161	0.85	0.7	25.7	22	1.0	17.9	1.7	<0.1	<1	24	10.4	0.6
DUP 2620551	QC		0.188	10.7	38	1.80	274	0.533	7.55	3.116	0.79	0.8	24.6	22	1.0	17.3	1.7	<0.1	<1	25	10.5	0.6
2620589	Drill Core		0.102	5.2	13	2.03	129	0.443	8.85	4.093	0.51	0.5	44.9	12	0.9	16.8	1.4	<0.1	<1	19	12.5	0.2
DUP 2620589	QC		0.100	4.9	16	2.03	124	0.422	9.36	4.117	0.54	0.4	43.6	11	0.9	16.0	1.5	<0.1	<1	19	13.5	0.2
Reference Materials																						
STD OREAS132A	Standard																					
STD OREAS134B	Standard																					
STD OREAS25A-4A	Standard		0.048	26.1	118	0.38	147	0.937	8.76	0.137	0.49	2.1	146.1	53	4.4	11.8	20.0	1.5	<1	13	39.9	<0.1
STD OREAS25A-4A	Standard		0.056	26.0	122	0.36	162	0.973	9.68	0.130	0.51	2.1	158.5	50	4.7	11.9	20.7	1.6	1	14	42.5	<0.1
STD OREAS45E	Standard		0.033	12.5	968	0.17	270	0.575	6.89	0.050	0.33	1.0	95.8	26	1.4	9.1	6.7	0.6	<1	100	7.4	<0.1
STD OREAS45E	Standard		0.036	12.6	988	0.17	258	0.585	7.51	0.057	0.30	1.1	93.2	26	1.5	8.6	5.9	0.6	<1	102	7.3	<0.1
STD OXD108	Standard																					
STD OXD108	Standard																					
STD OXD108	Standard																					
STD OXI121	Standard																					
STD OXI121	Standard																					
STD OXI121	Standard																					
STD OXN117	Standard																					
STD OXN117	Standard																					
STD OXN117	Standard																					

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000342.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
	Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
Pulp Duplicates									
2620570	Drill Core	15.4	1.0	0.11	0.113	<1	1.1	<0.5	
REP 2620570	QC	15.6	1.0	0.07	0.141	1	0.9	<0.5	
2620580	Drill Core	24.7	0.8	0.06	0.007	<1	2.2	<0.5	
REP 2620580	QC								
2620605	Drill Core	29.5	0.7	<0.05	0.005	<1	<0.5	<0.5	
REP 2620605	QC	27.4	0.6	0.05	<0.005	<1	0.9	<0.5	
REP 2620564	QC								
Core Reject Duplicates									
2620551	Drill Core	29.5	1.1	0.08	0.027	<1	1.1	<0.5	
DUP 2620551	QC	25.9	1.1	0.09	0.028	<1	1.0	<0.5	
2620589	Drill Core	21.9	1.4	<0.05	0.006	<1	<0.5	<0.5	
DUP 2620589	QC	20.5	1.4	0.07	0.007	<1	<0.5	<0.5	
Reference Materials									
STD OREAS132A	Standard								0.05
STD OREAS134B	Standard								0.13
STD OREAS25A-4A	Standard	62.0	4.4	0.08	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	65.4	4.5	0.11	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	22.6	3.2	0.10	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	21.1	3.0	0.12	<0.005	3	<0.5	<0.5	
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000342.2

		WGHT Wgt kg 0.01	FA430 Au ppm 0.005	MA200 Mo ppm 0.1	MA200 Cu ppm 0.1	MA200 Pb ppm 0.1	MA200 Zn ppm 1	MA200 Ag ppm 0.1	MA200 Ni ppm 0.1	MA200 Co ppm 0.2	MA200 Mn ppm 1	MA200 Fe % 0.01	MA200 As ppm 1	MA200 U ppm 0.1	MA200 Th ppm 0.1	MA200 Sr ppm 1	MA200 Cd ppm 0.1	MA200 Sb ppm 0.1	MA200 Bi ppm 0.1	MA200 V ppm 1	MA200 Ca % 0.01
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.6	<0.1	<1	<0.1	<0.1	<0.2	1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.8	<0.1	<1	<0.1	<0.1	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank		<0.005	0.2	3.9	23.1	55	<0.1	2.9	5.1	769	2.33	2	3.6	11.3	763	<0.1	<0.1	0.3	47	2.31
G1-SMI	Prep Blank		<0.005	0.2	3.6	20.6	57	<0.1	3.1	4.8	755	2.47	2	3.3	10.0	723	<0.1	<0.1	0.2	50	2.41

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000342.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.004	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.2	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	0.075	35.2	7	0.56	956	0.257	7.47	2.744	2.95	0.2	11.5	67	1.9	18.2	25.9	1.4	3	5	39.9	<0.1
G1-SMI	Prep Blank	0.081	33.5	7	0.59	905	0.264	7.26	2.758	2.80	0.2	11.3	62	1.6	17.6	25.4	1.4	3	6	36.4	<0.1

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000342.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
STD OXD108 Expected									
STD OXN117 Expected									
STD OXI121 Expected									
STD OREAS25A-4A		61	4.53					0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	
STD OREAS132A Expected									0.0458
STD OREAS134B Expected									0.1348
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								<0.01
Prep Wash									
G1-SMI	Prep Blank	130.2	0.8	0.05	<0.005	<1	<0.5	1.0	
G1-SMI	Prep Blank	124.3	0.6	<0.05	<0.005	<1	<0.5	0.9	

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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Farshad Shirvani
Receiving Lab: Canada-Smithers
Received: August 18, 2014
Report Date: September 05, 2014
Page: 1 of 8

CERTIFICATE OF ANALYSIS SMI14000535.1

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 192

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	192	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	192	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	192	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Terracad Geoscience Services Ltd.
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Erik Ostensoe
Krystle Milligan
Teresa Gough

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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All results are considered the confidential property of the client. Acme 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.

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428001	Drill Core	2.05	0.015	1.4	89.7	1.9	62	0.2	77.0	42.5	1559	10.68	19	0.9	0.8	140	0.1	0.4	<0.1	306	6.30
1428002	Drill Core	3.34	0.035	4.9	55.5	1.9	32	<0.1	58.4	41.6	1336	9.04	6	0.9	0.7	339	<0.1	0.4	<0.1	189	4.99
1428003	Drill Core	4.57	0.017	0.7	46.5	2.7	52	0.1	48.8	33.1	1455	8.60	5	0.9	0.6	292	<0.1	0.4	<0.1	215	6.17
1428004	Drill Core	4.59	0.035	0.4	113.7	4.2	45	0.1	75.5	38.7	1270	8.18	8	0.9	0.8	353	<0.1	0.4	<0.1	237	4.82
1428005	Drill Core	3.97	0.040	0.7	191.7	1.1	29	<0.1	55.8	35.2	1000	8.00	9	0.8	1.0	310	<0.1	0.4	<0.1	258	4.64
1428006	Drill Core	4.60	0.029	1.2	130.0	2.5	71	<0.1	43.9	41.6	1514	10.27	18	1.0	0.9	316	0.2	0.5	<0.1	316	5.35
1428007	Drill Core	3.74	0.054	1.4	238.0	3.3	72	0.2	44.3	74.2	1454	11.01	5	1.0	1.0	345	0.2	0.4	<0.1	351	4.32
1428008	Drill Core	3.67	0.025	2.0	178.1	1.2	49	0.1	36.8	46.0	1688	9.69	2	1.1	1.0	333	0.2	0.2	<0.1	314	4.85
1428009	Drill Core	2.57	0.018	4.1	178.1	0.8	34	0.1	22.0	36.9	1937	7.98	2	2.1	1.2	350	<0.1	0.4	<0.1	247	3.49
1428010	Drill Core	4.68	0.104	11.3	439.5	40.1	172	0.4	47.6	73.5	2529	9.68	14	1.6	1.1	224	0.6	0.5	<0.1	243	4.72
1428011	Drill Core	4.47	0.008	1.4	54.5	1.7	105	<0.1	61.1	57.8	1774	8.20	3	1.0	1.4	308	0.4	0.3	<0.1	289	6.03
1428012	Drill Core	4.17	0.018	1.2	58.5	2.4	43	<0.1	83.2	39.5	1394	8.84	4	0.7	1.2	293	<0.1	0.2	<0.1	311	6.46
1428013	Drill Core	4.39	0.009	0.7	60.4	1.0	37	<0.1	78.4	37.4	1144	9.13	2	0.6	1.2	288	<0.1	0.2	<0.1	334	6.04
1428014	Drill Core	5.20	0.015	1.9	103.6	1.5	40	<0.1	60.5	54.4	1170	8.34	4	0.9	1.2	314	<0.1	0.2	<0.1	284	5.75
1428015	Drill Core	4.50	0.030	3.5	169.2	0.8	33	0.1	55.8	33.5	900	7.74	<1	1.4	1.1	370	<0.1	0.2	<0.1	251	5.58
1428016	Drill Core	5.44	0.059	2.3	192.6	4.1	44	0.1	75.4	50.2	1027	9.13	4	0.9	1.0	335	0.2	0.3	<0.1	289	5.75
1428017	Drill Core	4.84	0.056	8.9	230.7	4.1	43	0.6	49.6	39.7	1057	10.92	7	1.0	1.0	226	0.2	0.4	<0.1	303	5.35
1428018	Drill Core	4.28	0.036	2.5	185.1	2.5	54	0.2	30.1	43.0	1396	8.61	2	1.5	1.4	260	<0.1	0.8	<0.1	242	6.29
1428019	Drill Core	4.20	0.027	2.1	274.0	2.1	46	0.1	40.0	41.2	1097	8.85	2	1.0	1.2	299	<0.1	0.6	<0.1	244	5.10
1428020	Drill Core	5.06	0.083	7.9	109.9	1.2	34	0.1	49.2	38.6	979	8.07	3	0.9	0.8	351	<0.1	0.3	<0.1	246	5.31
1428021	Drill Core	5.05	0.036	11.7	353.4	1.8	41	0.1	65.2	62.9	1232	9.25	3	0.7	0.9	312	<0.1	0.4	<0.1	272	5.63
1428022	Drill Core	4.70	0.364	7.9	3317.3	4.0	148	1.1	87.9	191.3	1360	12.81	10	1.0	1.1	205	0.3	0.5	0.1	251	4.43
1428023	Drill Core	3.28	0.014	4.5	151.3	1.7	35	<0.1	8.0	21.4	735	6.47	2	1.1	1.2	332	<0.1	0.3	<0.1	264	3.35
1428024	Drill Core	3.37	0.049	15.8	823.0	2.4	44	0.2	9.1	44.7	751	6.48	2	1.3	1.4	369	0.1	0.3	<0.1	251	3.35
1428025	Drill Core	5.51	0.047	37.7	253.6	1.0	39	0.1	26.5	48.9	736	6.32	2	1.5	1.2	364	0.1	0.1	<0.1	219	4.88
1428026	Drill Core	4.95	0.101	9.0	767.9	0.9	36	0.2	67.4	41.5	1088	9.65	3	0.7	1.0	217	<0.1	0.3	<0.1	320	5.94
1428027	Drill Core	3.35	0.849	27.7	535.2	1.0	25	0.1	32.3	46.9	794	7.54	4	1.9	1.1	251	<0.1	0.4	<0.1	222	4.82
1428028	Drill Core	4.88	1.601	24.2	409.1	12.2	39	0.4	63.4	56.0	1079	10.40	6	1.2	0.8	208	<0.1	0.3	<0.1	287	5.77
1428029	Drill Core	4.48	0.170	25.9	622.7	4.5	35	0.2	64.9	56.9	997	9.60	5	1.5	0.9	198	<0.1	0.3	<0.1	268	5.59
1428030	Drill Core	6.00	0.147	6.8	559.6	3.7	36	0.2	58.9	62.8	1187	9.62	4	1.1	0.9	271	<0.1	0.3	<0.1	270	5.03

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428001	Drill Core	0.066	3.6	320	4.71	604	0.497	7.19	1.091	1.47	0.7	22.4	7	0.8	12.6	1.1	<0.1	<1	53	15.6	<0.1
1428002	Drill Core	0.029	3.8	234	4.06	558	0.484	8.09	2.530	1.55	0.3	22.5	7	0.7	11.4	0.9	<0.1	<1	40	15.1	0.4
1428003	Drill Core	0.028	4.4	221	3.95	418	0.439	8.13	2.526	1.31	0.2	23.2	8	0.7	13.0	0.9	<0.1	<1	33	15.8	0.3
1428004	Drill Core	0.066	6.0	240	3.53	706	0.447	8.67	2.392	1.85	0.3	21.7	11	0.7	9.6	1.0	<0.1	<1	28	17.4	0.6
1428005	Drill Core	0.072	6.9	235	3.46	345	0.456	8.01	2.355	1.09	0.3	21.5	12	0.7	12.3	1.1	<0.1	<1	34	10.9	0.6
1428006	Drill Core	0.083	6.7	157	4.28	827	0.489	7.96	1.591	2.15	0.4	19.2	13	0.7	13.3	1.2	<0.1	<1	39	20.5	0.5
1428007	Drill Core	0.092	9.7	107	3.82	697	0.504	8.11	1.565	2.53	0.3	16.5	16	0.7	11.8	1.1	<0.1	<1	35	22.5	1.3
1428008	Drill Core	0.086	7.3	113	3.78	917	0.485	8.03	1.552	2.52	0.4	24.6	13	0.9	12.6	1.1	<0.1	<1	33	19.2	0.6
1428009	Drill Core	0.115	7.1	51	2.74	976	0.443	8.30	3.830	1.38	0.4	45.9	15	1.0	15.6	1.6	<0.1	<1	24	10.7	0.4
1428010	Drill Core	0.106	14.1	119	3.32	890	0.479	7.78	1.797	2.25	0.7	28.7	22	0.9	15.4	1.4	<0.1	<1	29	12.1	0.7
1428011	Drill Core	0.119	12.4	175	4.02	348	0.491	8.46	2.850	1.10	0.5	33.3	20	0.8	15.9	1.5	<0.1	1	31	14.3	0.2
1428012	Drill Core	0.111	7.6	194	4.46	306	0.477	8.00	2.423	1.01	0.3	29.0	15	0.9	14.8	1.3	<0.1	<1	33	16.5	0.2
1428013	Drill Core	0.113	7.4	167	4.29	285	0.501	8.04	2.743	1.06	0.3	24.1	15	0.9	15.2	1.4	<0.1	<1	32	14.3	0.2
1428014	Drill Core	0.106	9.3	135	3.85	513	0.475	8.48	2.749	1.48	0.4	26.8	17	0.7	15.6	1.4	<0.1	1	30	14.8	0.6
1428015	Drill Core	0.094	10.1	130	3.75	346	0.458	8.63	2.776	1.23	0.2	35.0	18	0.8	15.3	1.3	<0.1	<1	25	16.6	0.4
1428016	Drill Core	0.083	11.8	201	4.61	352	0.488	7.92	2.194	1.46	0.2	25.5	18	0.9	14.7	1.3	<0.1	<1	35	20.9	0.8
1428017	Drill Core	0.083	11.6	198	4.81	237	0.465	7.26	1.990	0.98	0.2	26.1	16	0.9	13.3	1.0	<0.1	1	42	20.6	0.7
1428018	Drill Core	0.108	4.3	95	3.25	319	0.440	8.41	2.871	0.90	0.4	50.1	11	0.7	18.1	1.6	<0.1	<1	26	14.5	0.3
1428019	Drill Core	0.096	4.8	130	3.58	714	0.437	7.93	2.594	1.50	0.2	39.8	11	0.6	16.9	1.5	<0.1	1	31	16.9	0.5
1428020	Drill Core	0.061	8.8	180	3.93	291	0.443	8.31	2.835	1.04	0.2	26.2	14	0.7	13.1	1.2	<0.1	<1	33	18.3	0.3
1428021	Drill Core	0.068	10.8	209	4.37	372	0.475	7.93	2.466	1.06	0.2	22.2	17	0.9	13.0	1.2	<0.1	<1	36	17.1	0.6
1428022	Drill Core	0.092	14.4	158	3.63	193	0.413	7.27	2.832	0.98	0.4	36.5	21	1.3	13.6	1.2	<0.1	<1	28	14.5	4.5
1428023	Drill Core	0.131	4.1	7	1.97	630	0.427	8.25	4.425	1.45	0.3	57.2	11	0.8	14.1	1.6	<0.1	<1	19	8.2	0.1
1428024	Drill Core	0.122	7.4	10	2.13	543	0.397	8.48	4.646	1.18	0.2	60.1	16	0.9	13.7	1.6	<0.1	<1	18	10.0	0.3
1428025	Drill Core	0.098	17.3	51	2.72	383	0.466	9.24	3.399	1.10	0.5	29.4	25	0.6	13.7	1.2	<0.1	<1	18	15.7	0.8
1428026	Drill Core	0.074	18.3	305	5.53	258	0.480	6.91	1.430	1.00	0.5	24.1	24	1.1	12.2	1.3	<0.1	<1	46	22.1	0.5
1428027	Drill Core	0.116	23.7	19	2.73	184	0.441	8.25	3.380	1.00	1.5	33.5	31	1.0	18.4	1.2	<0.1	<1	17	12.6	1.6
1428028	Drill Core	0.071	19.5	244	5.04	231	0.435	7.03	1.667	0.97	0.4	22.5	25	1.4	13.6	1.0	<0.1	<1	39	19.9	1.3
1428029	Drill Core	0.076	68.8	188	4.26	276	0.425	7.51	1.908	1.00	0.5	23.3	77	1.0	14.1	1.0	<0.1	<1	33	19.8	2.0
1428030	Drill Core	0.076	23.0	217	4.33	393	0.433	7.23	1.884	1.13	0.5	24.4	29	1.1	13.4	1.0	<0.1	<1	35	17.9	1.5

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428001	Drill Core	36.0	0.9	0.28	0.013	<1	2.0	<0.5
1428002	Drill Core	38.3	0.9	0.20	0.015	<1	1.4	<0.5
1428003	Drill Core	35.8	1.0	0.24	<0.005	<1	1.5	<0.5
1428004	Drill Core	46.8	0.7	0.14	<0.005	<1	0.8	<0.5
1428005	Drill Core	36.2	0.9	0.16	0.008	<1	1.4	<0.5
1428006	Drill Core	54.2	0.8	0.19	<0.005	<1	1.8	<0.5
1428007	Drill Core	53.7	0.7	0.19	<0.005	<1	1.0	<0.5
1428008	Drill Core	48.4	0.9	0.15	<0.005	<1	1.3	<0.5
1428009	Drill Core	24.3	1.5	0.09	0.007	<1	<0.5	<0.5
1428010	Drill Core	41.1	1.0	0.14	0.022	<1	1.0	<0.5
1428011	Drill Core	29.9	1.1	0.10	0.006	<1	0.9	<0.5
1428012	Drill Core	34.6	1.0	0.09	<0.005	<1	1.9	<0.5
1428013	Drill Core	34.2	0.9	0.10	<0.005	<1	0.9	<0.5
1428014	Drill Core	43.8	1.0	0.09	0.007	<1	1.9	<0.5
1428015	Drill Core	38.7	1.2	0.12	0.006	<1	1.4	<0.5
1428016	Drill Core	49.2	1.0	0.14	0.007	<1	0.7	<0.5
1428017	Drill Core	31.8	0.9	0.19	0.010	<1	1.8	<0.5
1428018	Drill Core	23.3	1.4	0.05	<0.005	<1	1.7	<0.5
1428019	Drill Core	40.9	1.4	0.07	<0.005	1	1.5	<0.5
1428020	Drill Core	32.8	0.9	0.15	0.025	<1	1.6	<0.5
1428021	Drill Core	32.8	0.8	0.12	0.008	<1	1.3	<0.5
1428022	Drill Core	25.9	1.1	0.18	0.024	1	1.3	<0.5
1428023	Drill Core	24.6	1.9	0.05	<0.005	<1	<0.5	<0.5
1428024	Drill Core	26.1	1.9	<0.05	0.033	<1	0.5	<0.5
1428025	Drill Core	38.0	1.0	0.06	0.128	<1	<0.5	<0.5
1428026	Drill Core	34.1	0.9	0.14	0.041	<1	1.4	<0.5
1428027	Drill Core	31.4	1.0	0.13	0.080	<1	0.8	<0.5
1428028	Drill Core	31.4	0.8	0.14	0.047	1	1.6	<0.5
1428029	Drill Core	33.3	0.8	0.15	0.056	<1	2.1	<0.5
1428030	Drill Core	38.4	0.8	0.18	0.014	<1	1.3	<0.5

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428031	Drill Core	4.00	0.048	2.4	306.3	2.5	45	0.1	5.5	30.7	2009	6.07	3	1.0	1.6	248	<0.1	0.7	<0.1	208	3.77
1428032	Drill Core	4.73	0.509	40.6	3632.2	10.5	46	1.2	55.5	116.8	1322	10.20	8	1.4	1.1	267	0.2	0.4	0.1	233	4.50
1428033	Drill Core	1.37	0.035	2.7	257.7	1.0	33	0.1	31.1	54.4	866	7.70	5	1.4	1.0	268	<0.1	0.4	<0.1	245	4.52
1428034	Drill Core	3.76	0.048	17.5	411.6	1.1	29	0.1	37.5	64.5	849	7.48	8	1.9	1.4	273	<0.1	0.4	<0.1	243	4.54
1428035	Drill Core	4.16	0.015	21.0	500.9	1.8	34	0.1	33.2	107.4	1371	7.45	6	2.9	1.7	330	<0.1	1.2	<0.1	259	4.95
1428036	Drill Core	2.53	0.010	6.8	386.9	1.9	36	<0.1	14.6	50.0	1268	7.27	5	1.5	1.1	301	<0.1	0.8	<0.1	265	4.09
1428037	Drill Core	2.82	0.028	1.3	344.0	2.2	39	0.2	96.1	50.5	1034	6.67	7	1.1	1.0	197	<0.1	0.4	<0.1	271	5.47
1428038	Drill Core	4.54	0.056	0.6	413.1	2.7	50	0.1	125.1	60.5	1506	8.86	11	0.6	1.1	133	<0.1	0.5	<0.1	276	5.53
1428039	Drill Core	4.63	0.141	0.2	1281.8	2.0	46	0.3	56.5	40.7	1122	7.20	6	0.6	0.8	326	<0.1	0.3	<0.1	253	5.66
1428040	Drill Core	3.60	0.067	0.2	843.3	1.4	40	0.2	53.9	39.6	1147	7.24	2	0.6	0.9	347	<0.1	0.4	<0.1	251	5.33
1428041	Drill Core	4.66	0.153	0.2	1641.1	1.8	56	0.3	49.5	42.5	1166	6.78	2	0.7	0.8	312	<0.1	0.3	<0.1	239	5.60
1428042	Drill Core	3.92	0.141	0.4	1097.7	2.1	33	0.2	45.6	38.5	969	6.13	3	0.9	1.4	388	<0.1	0.3	<0.1	249	5.18
1428043	Drill Core	4.31	0.018	0.4	233.6	0.9	35	<0.1	49.9	34.9	1128	7.61	5	1.0	1.4	323	<0.1	0.5	<0.1	277	5.57
1428044	Drill Core	3.82	0.105	0.3	1807.0	2.5	45	0.3	64.7	56.3	1267	7.85	10	0.8	1.0	292	<0.1	0.3	<0.1	268	5.00
1428045	Drill Core	3.78	0.049	0.6	488.5	1.6	37	0.1	64.9	43.1	1076	6.93	4	0.6	1.1	224	<0.1	0.2	<0.1	277	5.28
1428046	Drill Core	4.58	0.041	9.8	545.1	1.2	31	0.1	49.7	45.1	999	6.91	5	1.0	1.3	287	<0.1	0.2	<0.1	268	4.83
1428047	Drill Core	3.84	0.049	0.7	484.3	1.0	31	0.1	62.4	42.1	1076	7.21	6	0.6	0.9	300	<0.1	0.5	<0.1	299	5.86
1428048	Drill Core	3.67	0.170	8.1	290.4	1.6	39	<0.1	58.7	40.8	1237	7.86	9	0.6	1.2	206	<0.1	0.4	<0.1	282	5.46
1428049	Drill Core	3.87	0.043	0.5	493.0	1.4	29	0.1	57.0	49.3	987	6.85	4	0.8	1.1	340	<0.1	0.2	<0.1	284	5.16
1428050	Drill Core	4.10	0.040	0.5	483.1	1.2	29	0.1	56.4	54.0	959	6.86	5	0.8	1.1	309	<0.1	0.2	<0.1	274	5.18
1428051	Drill Core	3.62	0.011	0.6	75.2	0.9	22	<0.1	14.5	45.6	703	5.59	6	0.9	1.1	341	<0.1	0.3	<0.1	217	4.35
1428052	Drill Core	3.98	0.025	1.7	161.1	0.9	24	<0.1	9.7	27.2	887	5.78	6	0.8	1.2	402	<0.1	0.7	<0.1	218	4.82
1428053	Drill Core	4.11	0.013	2.6	120.3	1.2	26	<0.1	13.2	29.5	999	5.94	7	0.8	1.0	392	<0.1	0.6	<0.1	217	3.39
1428054	Drill Core	3.42	0.019	3.8	349.2	1.6	25	<0.1	14.1	54.0	896	6.57	4	0.8	1.1	382	<0.1	1.0	<0.1	212	3.89
1428055	Drill Core	2.48	0.014	11.6	139.9	1.6	23	<0.1	12.1	36.9	773	6.23	3	0.9	1.1	356	<0.1	1.1	<0.1	203	3.87
1428056	Drill Core	3.33	0.018	6.1	173.2	1.0	20	<0.1	13.1	42.0	522	6.24	5	0.9	1.2	247	<0.1	0.2	<0.1	217	4.26
1428057	Drill Core	3.61	0.031	0.5	559.1	1.1	27	<0.1	12.9	32.1	610	5.88	4	0.8	1.1	271	<0.1	0.3	<0.1	235	4.42
1428058	Drill Core	3.58	0.017	0.1	209.9	1.2	32	<0.1	10.4	25.2	822	4.86	6	0.6	1.1	290	<0.1	0.5	<0.1	216	4.05
1428059	Drill Core	3.51	0.017	0.9	324.5	0.9	22	0.1	11.0	24.2	850	5.61	4	0.7	1.1	288	<0.1	0.7	<0.1	222	3.63
1428060	Drill Core	4.50	0.040	3.2	248.9	0.8	20	<0.1	14.2	33.7	616	6.14	4	0.8	1.0	292	<0.1	0.3	<0.1	226	4.23

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428031	Drill Core		0.157	7.9	7	1.69	1249	0.414	8.19	3.515	2.92	2.0	63.7	19	0.8	16.1	1.9	<0.1	<1	16	10.3	0.2
1428032	Drill Core		0.101	19.2	87	3.03	396	0.429	7.52	2.219	2.18	0.9	25.9	25	1.2	16.1	1.4	<0.1	<1	23	15.1	2.4
1428033	Drill Core		0.106	19.3	72	2.67	740	0.451	7.89	2.423	1.65	1.2	24.0	26	0.8	16.2	1.4	<0.1	<1	21	14.4	0.5
1428034	Drill Core		0.135	15.5	68	2.68	406	0.458	8.28	3.597	1.10	0.9	27.2	23	1.4	19.9	2.0	0.1	<1	21	13.1	0.9
1428035	Drill Core		0.155	31.3	108	2.91	550	0.534	7.92	3.421	1.55	1.0	28.1	40	1.5	22.6	2.9	0.2	<1	26	11.7	0.7
1428036	Drill Core		0.097	6.7	17	2.39	2171	0.497	8.37	2.563	2.91	0.8	51.7	12	1.1	19.6	2.0	<0.1	<1	24	15.9	0.4
1428037	Drill Core		0.090	8.9	188	3.62	291	0.447	7.86	2.359	0.97	1.1	37.5	16	0.9	14.6	1.3	<0.1	<1	27	28.4	0.6
1428038	Drill Core		0.096	13.2	277	5.25	170	0.456	7.40	2.324	0.62	0.6	20.7	21	0.9	11.6	0.9	<0.1	1	34	30.8	0.4
1428039	Drill Core		0.088	6.7	147	4.03	294	0.458	7.67	2.783	0.76	0.3	24.2	13	1.0	12.9	0.9	<0.1	1	33	14.3	0.4
1428040	Drill Core		0.096	4.8	165	4.15	307	0.465	7.76	3.045	0.80	0.3	28.0	11	0.9	13.9	1.0	<0.1	<1	34	15.2	0.4
1428041	Drill Core		0.096	6.4	146	3.72	213	0.437	8.18	3.186	0.62	0.3	23.6	13	0.9	13.3	1.0	<0.1	<1	29	17.1	0.4
1428042	Drill Core		0.137	9.5	113	3.24	406	0.493	8.79	3.571	0.92	0.3	27.5	20	0.8	17.4	1.6	<0.1	<1	26	15.8	0.5
1428043	Drill Core		0.096	7.7	180	3.99	316	0.479	7.74	2.988	1.06	0.3	29.1	16	0.8	17.4	1.5	<0.1	<1	33	14.0	0.2
1428044	Drill Core		0.087	5.4	180	4.07	826	0.482	7.58	2.477	1.39	0.3	23.6	11	0.9	14.6	1.3	<0.1	<1	32	17.8	0.8
1428045	Drill Core		0.098	5.9	204	4.24	129	0.471	7.60	3.197	0.59	0.4	23.1	12	0.9	14.1	1.1	<0.1	<1	35	13.9	0.4
1428046	Drill Core		0.085	6.8	149	3.77	218	0.481	8.06	3.227	0.75	0.5	28.5	13	0.8	14.4	1.4	<0.1	<1	30	13.3	0.4
1428047	Drill Core		0.071	6.2	212	4.58	224	0.492	7.64	2.670	0.64	0.4	23.2	12	1.0	13.4	1.1	<0.1	<1	38	16.2	0.3
1428048	Drill Core		0.077	5.7	210	4.34	429	0.477	7.47	2.886	0.79	0.6	23.8	12	0.9	13.7	1.1	<0.1	<1	36	13.1	0.3
1428049	Drill Core		0.093	6.7	193	3.96	246	0.497	8.00	3.436	0.79	0.3	28.5	14	0.9	15.9	1.5	<0.1	<1	35	16.0	0.5
1428050	Drill Core		0.095	7.4	187	3.86	291	0.480	8.06	3.391	0.83	0.3	28.1	14	0.9	14.6	1.4	<0.1	<1	33	13.4	0.5
1428051	Drill Core		0.099	4.3	20	2.08	337	0.438	8.96	4.496	0.82	0.5	45.6	11	0.6	15.6	1.7	<0.1	1	17	11.3	0.3
1428052	Drill Core		0.097	5.4	17	2.13	515	0.428	9.14	4.169	1.06	0.6	47.5	14	0.7	16.1	1.7	<0.1	<1	17	11.0	0.2
1428053	Drill Core		0.096	4.7	17	2.23	708	0.433	8.75	4.394	1.45	0.7	44.1	12	0.7	13.8	1.6	<0.1	<1	17	13.0	0.3
1428054	Drill Core		0.085	4.2	18	2.13	349	0.405	8.76	4.198	1.01	0.7	39.3	12	0.8	13.5	1.4	<0.1	<1	16	10.9	0.4
1428055	Drill Core		0.093	4.5	16	2.29	115	0.421	9.03	4.800	0.57	0.8	40.8	12	0.7	14.5	1.5	<0.1	<1	17	12.5	0.3
1428056	Drill Core		0.094	4.8	18	2.26	113	0.417	8.99	4.668	0.57	0.5	45.5	12	0.8	14.8	1.5	<0.1	<1	17	13.7	0.3
1428057	Drill Core		0.103	5.6	20	2.45	148	0.463	9.15	4.696	0.58	0.6	47.2	13	0.9	15.0	1.5	<0.1	<1	19	17.2	0.2
1428058	Drill Core		0.096	5.6	21	2.40	224	0.463	9.16	5.068	0.56	0.6	46.6	13	0.7	14.0	1.5	<0.1	<1	18	15.1	0.1
1428059	Drill Core		0.096	4.6	23	2.37	299	0.425	8.72	4.676	0.82	0.8	43.3	12	0.8	14.2	1.5	<0.1	<1	18	11.1	0.2
1428060	Drill Core		0.096	4.6	21	2.24	249	0.424	8.73	4.416	0.72	0.6	42.2	12	0.8	14.4	1.4	<0.1	<1	18	11.6	0.2

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428031	Drill Core	33.5	1.8	0.06	<0.005	<1	<0.5	<0.5
1428032	Drill Core	53.2	0.9	0.16	0.086	<1	1.2	<0.5
1428033	Drill Core	50.8	1.0	0.06	0.010	<1	0.6	<0.5
1428034	Drill Core	39.1	1.0	0.10	0.053	<1	0.5	<0.5
1428035	Drill Core	39.9	1.1	0.13	0.042	<1	1.4	<0.5
1428036	Drill Core	81.5	1.7	0.09	0.015	<1	<0.5	<0.5
1428037	Drill Core	34.2	1.4	0.08	0.006	<1	1.0	<0.5
1428038	Drill Core	15.6	0.8	0.13	<0.005	1	1.5	<0.5
1428039	Drill Core	25.7	0.9	0.14	<0.005	<1	1.4	<0.5
1428040	Drill Core	27.5	0.9	0.10	<0.005	<1	2.5	<0.5
1428041	Drill Core	23.0	0.8	0.10	0.009	1	1.6	<0.5
1428042	Drill Core	32.8	0.9	<0.05	0.011	2	1.7	<0.5
1428043	Drill Core	29.7	1.1	0.11	<0.005	<1	1.5	<0.5
1428044	Drill Core	36.3	0.8	0.11	<0.005	1	1.5	<0.5
1428045	Drill Core	19.6	0.8	<0.05	<0.005	<1	1.4	<0.5
1428046	Drill Core	27.3	0.8	0.08	0.016	<1	1.4	<0.5
1428047	Drill Core	21.5	0.9	0.07	0.008	<1	1.1	<0.5
1428048	Drill Core	21.0	0.9	0.06	0.037	<1	0.7	<0.5
1428049	Drill Core	28.5	0.9	0.05	0.009	<1	0.9	<0.5
1428050	Drill Core	28.6	0.9	0.09	0.010	<1	1.5	<0.5
1428051	Drill Core	17.9	1.5	<0.05	<0.005	<1	0.5	<0.5
1428052	Drill Core	25.2	1.7	<0.05	<0.005	<1	<0.5	<0.5
1428053	Drill Core	24.0	1.5	<0.05	0.011	<1	0.8	<0.5
1428054	Drill Core	23.1	1.3	0.06	0.010	<1	<0.5	<0.5
1428055	Drill Core	15.3	1.4	<0.05	0.034	<1	<0.5	<0.5
1428056	Drill Core	14.2	1.5	0.06	0.014	<1	0.6	<0.5
1428057	Drill Core	12.0	1.5	0.05	<0.005	<1	1.4	<0.5
1428058	Drill Core	9.1	1.6	<0.05	<0.005	<1	0.7	<0.5
1428059	Drill Core	16.9	1.5	<0.05	<0.005	<1	<0.5	<0.5
1428060	Drill Core	16.0	1.5	<0.05	0.016	<1	0.8	<0.5

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Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428061	Drill Core	3.51	0.027	5.7	297.3	0.8	20	<0.1	18.4	44.0	616	7.16	2	0.8	1.1	346	<0.1	0.3	<0.1	242	4.60
1428062	Drill Core	5.37	0.047	13.3	338.0	1.0	17	<0.1	20.2	66.6	549	6.44	4	0.7	1.0	354	<0.1	0.6	<0.1	235	4.90
1428063	Drill Core	2.74	0.019	4.5	213.2	1.1	18	<0.1	17.2	34.2	662	6.08	1	0.7	1.3	429	<0.1	1.0	<0.1	219	4.97
1428064	Drill Core	3.59	0.026	0.4	279.9	1.1	30	<0.1	46.2	36.4	976	7.58	2	0.9	2.2	435	<0.1	0.3	<0.1	305	5.12
1428065	Drill Core	3.48	0.023	0.4	260.6	1.0	30	<0.1	39.0	31.7	973	7.06	<1	1.0	2.0	460	<0.1	<0.1	<0.1	277	4.73
1428066	Drill Core	3.67	0.034	0.3	388.3	1.1	30	<0.1	33.7	37.2	905	7.55	<1	1.3	2.1	410	<0.1	0.1	<0.1	277	4.54
1428067	Drill Core	5.03	0.051	0.5	448.4	1.1	31	<0.1	32.8	35.3	922	7.19	<1	1.1	1.8	338	<0.1	0.1	<0.1	299	5.85
1428068	Drill Core	4.60	0.032	0.6	320.1	1.2	31	<0.1	29.6	32.9	1036	7.19	<1	1.2	2.1	364	<0.1	0.1	<0.1	285	5.03
1428069	Drill Core	4.81	0.065	1.4	433.6	1.4	38	<0.1	35.2	35.3	1058	7.03	<1	1.3	2.1	413	<0.1	0.2	<0.1	288	5.35
1428070	Drill Core	4.23	0.015	11.4	122.2	0.9	23	<0.1	43.1	38.9	643	6.77	<1	0.9	1.7	440	<0.1	0.2	<0.1	228	4.94
1428071	Drill Core	4.24	0.062	0.5	321.7	3.6	29	<0.1	43.1	25.7	730	4.78	<1	0.6	1.2	394	<0.1	0.1	<0.1	173	7.43
1428072	Drill Core	4.83	0.011	1.8	246.9	4.2	36	<0.1	65.0	30.0	896	5.41	<1	0.5	1.1	379	<0.1	0.2	<0.1	171	7.66
1428073	Drill Core	4.17	0.036	2.4	202.0	1.0	26	<0.1	73.8	33.2	686	5.80	<1	0.6	1.2	377	<0.1	0.1	<0.1	182	5.18
1428074	Drill Core	4.20	0.015	2.0	110.2	0.9	28	<0.1	84.8	33.6	832	5.84	<1	0.5	1.0	508	<0.1	<0.1	<0.1	186	5.59
1428075	Drill Core	4.19	0.061	0.7	306.0	0.7	36	<0.1	85.9	47.4	1076	7.82	2	0.6	1.2	375	<0.1	0.5	<0.1	203	4.79
1428076	Drill Core	4.21	0.039	2.4	312.4	1.0	30	<0.1	53.0	66.9	914	7.27	4	0.8	1.4	478	<0.1	1.2	<0.1	204	4.83
1428077	Drill Core	3.24	0.059	0.9	278.1	0.9	22	<0.1	26.1	53.6	690	4.53	4	0.7	0.9	417	<0.1	0.9	<0.1	167	3.89
1428078	Drill Core	4.19	0.218	7.1	606.3	1.3	26	<0.1	54.4	70.5	824	5.86	5	1.0	1.1	369	<0.1	1.4	<0.1	177	4.80
1428079	Drill Core	3.75	0.025	0.5	401.2	1.1	17	<0.1	14.1	31.9	557	5.11	3	0.6	0.9	399	<0.1	0.3	<0.1	208	4.47
1428080	Drill Core	4.11	0.012	0.8	223.9	0.9	17	<0.1	13.5	31.8	566	4.86	<1	0.7	1.2	352	<0.1	0.3	<0.1	202	4.92
1428081	Drill Core	3.21	0.006	1.1	139.5	0.9	19	<0.1	13.9	31.2	689	5.19	1	0.7	1.0	345	<0.1	0.3	<0.1	223	4.39
1428082	Drill Core	2.41	0.011	0.5	878.7	3.8	47	<0.1	58.8	43.8	926	5.89	2	0.9	1.3	306	<0.1	0.2	<0.1	240	6.66
1428083	Drill Core	2.99	0.009	0.4	481.5	1.0	17	<0.1	20.0	44.4	532	6.01	<1	0.6	0.9	285	<0.1	<0.1	<0.1	228	4.38
1428084	Drill Core	2.44	<0.005	9.2	628.1	1.4	34	<0.1	54.7	52.4	836	5.83	<1	0.9	1.3	237	<0.1	<0.1	<0.1	221	7.81
1428085	Drill Core	5.83	0.031	0.8	953.9	4.9	40	0.2	93.4	59.6	942	6.22	<1	1.1	1.8	387	<0.1	0.5	<0.1	235	6.71
1428086	Drill Core	3.62	0.029	0.3	736.5	1.3	28	<0.1	46.9	37.8	865	4.94	<1	1.0	1.3	273	<0.1	0.2	<0.1	202	6.20
1428087	Drill Core	3.65	0.026	0.3	418.7	1.0	55	<0.1	119.0	52.6	1214	6.36	1	0.9	1.3	284	<0.1	0.1	<0.1	241	8.86
1428088	Drill Core	4.77	0.006	6.7	386.9	1.1	18	<0.1	20.4	50.5	524	6.76	<1	0.7	0.9	374	<0.1	0.1	<0.1	241	4.68
1428089	Drill Core	4.41	0.009	5.5	328.2	1.1	19	<0.1	59.5	34.2	602	5.98	<1	0.8	1.2	419	<0.1	0.1	<0.1	224	4.93
1428090	Drill Core	3.23	0.009	13.0	251.1	0.9	15	<0.1	15.7	26.9	440	5.89	<1	0.6	0.9	398	<0.1	<0.1	<0.1	214	4.20

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428061	Drill Core		0.095	4.4	20	2.31	310	0.445	9.11	4.383	0.93	0.6	45.4	12	0.8	14.4	1.5	<0.1	<1	18	11.0	0.2
1428062	Drill Core		0.092	5.0	19	2.20	215	0.432	8.97	4.272	0.77	0.5	42.9	13	0.8	14.6	1.5	<0.1	<1	18	9.2	0.4
1428063	Drill Core		0.110	5.2	19	2.05	197	0.420	8.82	4.418	0.52	0.7	44.2	14	0.8	14.6	1.6	<0.1	<1	16	8.2	0.2
1428064	Drill Core		0.246	14.5	55	2.91	463	0.529	9.14	4.022	1.08	0.3	28.1	29	0.6	20.1	1.9	<0.1	<1	21	12.9	0.2
1428065	Drill Core		0.215	13.8	40	2.82	538	0.537	8.63	3.892	1.04	0.1	26.0	28	0.6	19.7	2.2	0.1	<1	19	13.5	0.1
1428066	Drill Core		0.226	15.8	48	2.74	520	0.540	8.71	4.388	0.96	0.2	27.5	32	0.8	20.9	2.4	0.1	1	20	11.6	0.2
1428067	Drill Core		0.175	14.2	63	2.89	440	0.525	8.55	3.734	1.05	0.2	28.2	27	0.7	18.8	2.0	0.1	<1	25	12.6	0.2
1428068	Drill Core		0.210	14.6	36	2.55	498	0.532	8.58	4.104	1.10	0.3	30.4	30	0.6	20.3	2.3	0.1	1	20	10.4	0.1
1428069	Drill Core		0.225	15.6	34	2.56	468	0.553	8.80	4.089	1.04	0.2	33.1	30	0.5	20.8	2.5	0.2	<1	20	11.8	0.2
1428070	Drill Core		0.190	26.0	78	2.59	387	0.460	8.75	3.385	1.15	0.3	22.3	37	0.5	14.5	1.8	0.1	<1	19	13.6	0.2
1428071	Drill Core		0.124	9.3	68	2.00	434	0.355	9.10	2.797	1.11	0.3	16.0	18	0.4	12.3	1.3	<0.1	<1	15	13.1	0.2
1428072	Drill Core		0.105	8.6	131	2.99	414	0.329	8.46	2.340	1.10	0.2	18.5	17	0.4	12.8	1.2	<0.1	1	19	12.9	<0.1
1428073	Drill Core		0.126	8.5	150	3.37	364	0.368	8.52	3.402	0.87	0.2	20.3	17	0.5	12.8	1.4	<0.1	<1	21	12.8	0.1
1428074	Drill Core		0.118	7.9	166	3.75	487	0.360	8.29	2.754	1.16	0.1	18.3	16	0.5	12.4	1.3	<0.1	<1	22	12.6	<0.1
1428075	Drill Core		0.134	6.1	192	3.99	498	0.394	7.62	2.879	1.11	0.6	26.7	14	0.7	12.9	1.4	<0.1	<1	22	11.2	0.2
1428076	Drill Core		0.140	6.3	108	2.88	388	0.386	8.42	3.599	0.85	0.4	30.1	15	0.7	14.1	1.5	<0.1	1	18	10.0	0.4
1428077	Drill Core		0.092	3.3	14	1.86	301	0.387	8.26	4.650	0.73	0.5	42.7	9	0.8	12.5	1.5	0.1	<1	12	9.8	0.3
1428078	Drill Core		0.086	6.2	108	2.45	160	0.357	8.29	4.436	0.46	0.4	38.9	14	0.8	14.0	1.4	<0.1	<1	15	5.9	0.7
1428079	Drill Core		0.093	3.9	14	2.01	325	0.402	8.19	4.113	0.94	0.4	41.7	10	0.8	13.1	1.4	<0.1	<1	15	6.4	0.4
1428080	Drill Core		0.094	4.8	15	2.03	263	0.406	8.85	4.362	0.75	0.3	39.4	12	0.6	14.0	1.5	<0.1	<1	16	10.4	0.3
1428081	Drill Core		0.096	4.0	20	2.32	212	0.432	8.54	4.553	0.60	0.5	42.1	11	0.7	14.1	1.5	<0.1	<1	18	14.3	0.3
1428082	Drill Core		0.213	9.0	177	4.34	1105	0.590	6.94	1.849	1.99	0.3	48.7	19	0.9	14.7	4.1	0.2	<1	31	10.5	0.3
1428083	Drill Core		0.093	3.2	31	2.12	537	0.415	7.89	3.886	1.29	0.3	49.1	9	0.8	12.6	1.5	<0.1	<1	16	8.5	0.2
1428084	Drill Core		0.137	7.0	141	3.09	425	0.470	8.33	3.043	1.29	0.2	52.4	16	0.8	15.4	2.3	0.1	<1	22	11.7	0.2
1428085	Drill Core		0.207	10.1	292	4.55	680	0.560	7.13	2.748	1.35	0.4	56.8	22	1.1	17.2	4.9	0.3	<1	30	12.1	0.3
1428086	Drill Core		0.113	6.4	90	2.65	609	0.432	8.19	3.386	1.43	0.4	45.4	14	0.8	14.4	2.0	0.1	<1	18	10.7	0.2
1428087	Drill Core		0.206	9.1	434	4.90	958	0.563	6.40	1.311	2.50	0.3	48.9	19	0.8	14.0	3.7	0.2	1	32	14.3	<0.1
1428088	Drill Core		0.097	3.7	28	2.19	414	0.408	8.22	4.185	0.99	0.3	42.8	10	0.8	12.5	1.5	<0.1	<1	16	8.8	0.2
1428089	Drill Core		0.108	4.8	112	3.27	197	0.435	8.42	4.323	0.50	0.3	37.9	13	0.8	14.4	1.5	<0.1	<1	19	14.4	0.1
1428090	Drill Core		0.095	3.2	17	2.12	434	0.410	8.14	4.450	0.95	0.4	40.0	9	0.8	12.5	1.5	<0.1	<1	16	10.8	0.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428061	Drill Core	18.7	1.3	<0.05	0.014	<1	<0.5	<0.5
1428062	Drill Core	16.1	1.3	<0.05	0.026	<1	<0.5	<0.5
1428063	Drill Core	10.9	1.5	0.06	<0.005	<1	0.8	<0.5
1428064	Drill Core	29.2	1.1	0.06	<0.005	<1	0.9	<0.5
1428065	Drill Core	27.6	1.5	<0.05	<0.005	<1	0.8	<0.5
1428066	Drill Core	24.2	0.9	0.05	<0.005	<1	0.9	<0.5
1428067	Drill Core	28.1	0.9	0.06	<0.005	<1	1.5	<0.5
1428068	Drill Core	29.1	1.2	0.05	<0.005	<1	1.0	<0.5
1428069	Drill Core	27.6	0.9	0.09	0.019	<1	0.8	<0.5
1428070	Drill Core	35.8	0.7	0.05	0.024	<1	0.5	<0.5
1428071	Drill Core	34.6	0.6	0.06	<0.005	1	<0.5	<0.5
1428072	Drill Core	36.0	0.6	0.07	0.006	<1	0.8	<0.5
1428073	Drill Core	24.3	0.8	0.08	0.009	<1	1.2	<0.5
1428074	Drill Core	42.0	0.7	0.06	0.011	<1	1.4	<0.5
1428075	Drill Core	32.1	1.5	0.07	<0.005	<1	1.1	<0.5
1428076	Drill Core	26.7	1.1	0.06	0.016	<1	0.8	<0.5
1428077	Drill Core	9.8	1.2	<0.05	0.010	<1	0.6	<0.5
1428078	Drill Core	15.5	1.3	0.08	0.014	<1	<0.5	<0.5
1428079	Drill Core	20.8	1.3	<0.05	<0.005	<1	<0.5	<0.5
1428080	Drill Core	19.2	1.4	<0.05	<0.005	2	<0.5	<0.5
1428081	Drill Core	9.9	1.4	<0.05	0.009	<1	0.8	<0.5
1428082	Drill Core	40.0	1.6	<0.05	<0.005	1	0.6	<0.5
1428083	Drill Core	12.8	1.5	<0.05	0.005	<1	0.6	<0.5
1428084	Drill Core	26.7	1.5	<0.05	0.041	<1	0.9	<0.5
1428085	Drill Core	29.9	1.7	0.05	0.007	1	1.8	<0.5
1428086	Drill Core	34.5	1.5	0.05	<0.005	<1	0.7	<0.5
1428087	Drill Core	47.8	1.5	<0.05	<0.005	<1	2.5	<0.5
1428088	Drill Core	11.9	1.4	<0.05	0.032	<1	0.5	<0.5
1428089	Drill Core	10.4	1.3	<0.05	0.032	<1	1.4	<0.5
1428090	Drill Core	11.7	1.5	<0.05	0.064	<1	1.0	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428091	Drill Core	5.58	0.006	18.7	296.9	0.8	39	0.1	210.0	45.5	999	6.12	<1	0.6	0.9	260	<0.1	0.1	<0.1	229	5.58
1428092	Drill Core	4.53	0.007	2.7	185.2	0.7	39	<0.1	320.1	52.3	1012	6.16	<1	0.4	0.6	165	<0.1	<0.1	<0.1	221	5.90
1428093	Drill Core	4.54	<0.005	8.4	316.0	0.8	12	<0.1	16.6	27.9	380	5.51	3	0.6	0.9	303	<0.1	0.2	<0.1	211	4.28
1428094	Drill Core	3.42	0.005	3.4	388.4	0.9	13	<0.1	30.5	27.2	393	6.23	<1	0.8	1.1	220	<0.1	0.2	<0.1	220	4.61
1428095	Drill Core	6.43	0.027	4.6	883.0	1.3	17	<0.1	26.5	55.4	398	6.23	<1	0.9	1.3	345	<0.1	0.3	<0.1	179	3.75
1428096	Drill Core	2.72	0.070	3.8	1380.2	1.2	18	0.2	32.9	88.4	509	6.76	1	0.9	1.2	310	<0.1	0.7	<0.1	204	5.91
1428097	Drill Core	2.78	0.100	15.5	1524.6	1.4	17	0.1	31.3	96.0	471	6.73	<1	0.8	1.2	334	<0.1	0.3	<0.1	210	5.38
1428098	Drill Core	3.60	0.065	5.8	1095.0	1.0	15	0.1	25.7	59.8	453	6.36	<1	0.6	1.0	390	<0.1	0.2	<0.1	197	4.24
1428099	Drill Core	2.87	0.017	22.8	280.9	0.9	13	<0.1	18.3	17.3	398	5.55	1	0.6	0.9	392	<0.1	0.2	<0.1	189	4.57
1428100	Drill Core	3.03	0.017	26.3	263.0	0.9	15	<0.1	19.3	17.6	408	5.64	1	0.7	1.0	393	<0.1	0.2	<0.1	191	4.68
1428101	Drill Core	5.05	0.074	12.1	1066.9	1.8	20	<0.1	39.8	49.6	525	7.27	2	0.7	1.0	322	<0.1	0.4	<0.1	212	4.89
1428102	Drill Core	5.51	0.038	10.8	632.1	1.1	17	<0.1	28.6	33.1	558	7.55	<1	0.8	1.0	385	<0.1	0.4	<0.1	224	4.82
1428103	Drill Core	2.38	0.029	0.3	341.6	0.9	32	<0.1	49.9	35.7	941	7.10	<1	0.6	1.1	439	<0.1	<0.1	<0.1	319	6.31
1428104	Drill Core	4.96	0.070	0.6	572.6	1.4	28	<0.1	40.7	34.3	756	6.17	4	1.3	2.1	545	<0.1	0.2	<0.1	300	5.30
1428105	Drill Core	3.51	0.049	0.5	470.4	1.3	35	<0.1	38.2	35.1	897	6.26	5	1.2	1.8	287	0.1	0.1	<0.1	305	5.78
1428106	Drill Core	3.73	0.044	4.6	460.4	1.4	34	<0.1	41.1	37.9	1040	6.15	6	2.3	1.6	449	<0.1	0.3	<0.1	263	5.75
1428107	Drill Core	4.61	0.083	0.6	814.8	1.2	48	0.2	49.7	46.0	1234	7.04	4	0.7	1.3	495	<0.1	0.1	<0.1	292	6.50
1428108	Drill Core	2.72	0.058	3.0	667.6	1.8	33	0.2	49.2	54.2	987	7.84	4	0.8	1.2	454	<0.1	0.3	<0.1	306	6.47
1428109	Drill Core	3.62	0.039	0.2	326.2	1.3	37	0.1	48.8	35.1	1116	6.86	1	0.8	1.5	436	0.1	0.1	<0.1	314	6.07
1428110	Drill Core	2.86	0.071	0.7	942.9	1.6	42	0.1	40.5	38.9	998	6.16	3	1.6	2.7	393	<0.1	0.1	<0.1	312	4.97
1428111	Drill Core	3.85	0.027	0.5	357.5	1.5	34	0.1	28.3	27.4	812	5.57	5	1.2	2.0	337	<0.1	0.4	<0.1	254	5.38
1428112	Drill Core	3.59	<0.005	0.2	46.1	1.7	76	<0.1	19.8	24.6	1237	6.13	9	0.4	0.7	290	<0.1	0.2	<0.1	171	6.44
1428113	Drill Core	2.41	<0.005	0.2	50.0	1.8	85	<0.1	22.0	28.5	1301	6.23	9	0.4	0.7	248	<0.1	0.2	<0.1	174	5.93
1428114	Drill Core	3.15	0.029	0.2	318.4	1.7	29	<0.1	74.3	34.0	917	5.85	6	1.1	1.7	364	<0.1	0.2	<0.1	248	5.51
1428115	Drill Core	4.15	0.014	0.6	288.6	1.1	54	0.1	268.9	59.5	1396	6.95	4	0.5	0.9	273	0.1	0.1	<0.1	237	4.93
1428116	Drill Core	3.53	0.021	0.5	386.7	3.2	53	<0.1	172.6	44.5	1192	6.68	6	0.8	1.6	345	<0.1	0.1	<0.1	257	5.20
1428117	Drill Core	2.90	0.024	0.5	171.0	1.2	54	0.1	367.9	53.0	1325	6.52	3	0.6	1.0	165	<0.1	0.1	<0.1	205	5.59
1428118	Drill Core	2.98	0.048	4.1	726.9	1.5	52	0.2	415.0	82.3	1503	6.94	4	0.5	0.9	76	0.1	0.1	<0.1	208	6.23
1428119	Drill Core	3.42	0.019	0.7	291.9	2.3	56	<0.1	293.9	47.9	1440	6.40	2	1.0	1.8	151	<0.1	<0.1	<0.1	204	5.39
1428120	Drill Core	4.19	0.028	0.8	550.7	4.1	29	<0.1	42.8	42.3	999	5.15	3	0.9	1.3	411	<0.1	0.2	<0.1	225	5.52

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428091	Drill Core		0.095	6.3	387	5.96	287	0.393	6.76	2.813	0.51	0.2	36.1	13	0.8	13.9	1.7	<0.1	<1	25	14.9	0.2
1428092	Drill Core		0.076	4.0	641	7.27	221	0.368	5.97	1.766	0.47	0.2	32.7	9	0.6	12.3	1.4	<0.1	<1	28	16.6	0.2
1428093	Drill Core		0.096	3.4	12	2.04	319	0.415	8.09	4.454	0.77	0.4	38.6	10	0.8	13.7	1.6	<0.1	<1	15	14.5	0.1
1428094	Drill Core		0.093	4.3	44	2.18	218	0.414	8.39	4.459	0.54	0.4	39.5	12	0.7	13.8	1.5	0.1	<1	17	14.7	0.2
1428095	Drill Core		0.123	3.7	9	1.98	118	0.367	8.21	5.023	0.35	0.3	50.4	11	0.8	13.6	1.7	0.1	<1	12	20.9	0.6
1428096	Drill Core		0.093	4.6	17	1.87	217	0.384	8.53	3.719	0.59	0.4	36.8	12	0.6	14.0	1.4	<0.1	<1	16	8.3	0.6
1428097	Drill Core		0.103	4.6	17	2.01	181	0.411	8.68	4.180	0.50	0.5	39.3	12	0.7	14.0	1.6	<0.1	1	17	9.7	0.7
1428098	Drill Core		0.092	3.2	16	1.95	212	0.403	8.04	4.308	0.74	0.4	37.1	9	0.8	12.3	1.5	<0.1	<1	15	8.2	0.5
1428099	Drill Core		0.103	2.5	9	1.74	161	0.391	8.29	4.788	0.65	0.4	42.4	8	0.7	12.0	1.6	<0.1	1	12	9.4	0.1
1428100	Drill Core		0.102	2.9	11	1.75	145	0.400	8.35	4.651	0.64	0.4	41.9	8	0.6	12.5	1.6	<0.1	<1	13	8.1	0.1
1428101	Drill Core		0.111	3.6	39	2.10	1230	0.404	7.96	2.820	2.57	0.3	36.9	11	0.7	12.5	1.8	0.1	<1	13	10.7	0.4
1428102	Drill Core		0.097	3.9	19	2.15	176	0.415	8.47	4.428	0.57	0.5	44.4	11	0.7	12.5	1.6	0.1	<1	16	10.1	0.3
1428103	Drill Core		0.080	5.7	99	3.95	364	0.493	8.50	2.539	1.06	<0.1	26.5	12	0.5	12.9	1.2	<0.1	<1	33	14.9	0.2
1428104	Drill Core		0.200	12.6	57	2.80	462	0.536	9.08	3.857	1.17	0.2	29.1	25	0.5	17.6	2.4	0.2	1	21	12.1	0.3
1428105	Drill Core		0.184	11.8	54	2.79	310	0.551	9.07	3.518	0.92	0.2	26.0	24	0.4	15.8	2.0	0.1	2	22	15.1	0.3
1428106	Drill Core		0.147	12.2	45	2.72	262	0.505	9.20	3.710	0.66	0.3	26.2	23	0.4	15.0	1.8	<0.1	1	22	20.5	0.3
1428107	Drill Core		0.081	7.5	81	3.62	530	0.500	8.70	2.640	1.14	<0.1	25.5	15	0.6	13.6	1.4	<0.1	<1	31	19.1	0.2
1428108	Drill Core		0.089	6.8	95	3.89	444	0.515	8.56	2.564	1.19	0.1	25.5	15	0.7	14.2	1.2	<0.1	<1	34	23.0	0.3
1428109	Drill Core		0.131	9.4	80	3.57	363	0.543	8.54	3.276	0.95	0.1	26.5	19	0.6	16.0	1.9	0.1	<1	30	19.3	0.1
1428110	Drill Core		0.266	16.6	41	2.43	540	0.582	8.47	4.056	1.23	0.2	37.3	32	0.5	20.4	3.3	0.2	<1	16	14.2	0.3
1428111	Drill Core		0.205	14.9	36	1.93	488	0.519	9.18	4.082	1.25	0.4	35.3	28	0.7	16.0	2.5	0.1	<1	13	16.4	0.3
1428112	Drill Core		0.122	5.6	32	2.06	474	0.486	9.59	3.154	1.24	0.3	35.8	12	0.4	12.1	1.8	0.1	1	13	22.3	<0.1
1428113	Drill Core		0.125	5.2	35	2.10	633	0.485	9.39	3.136	1.58	0.2	39.2	11	0.6	11.9	1.9	0.1	<1	13	23.1	<0.1
1428114	Drill Core		0.186	10.3	135	3.44	290	0.483	8.58	3.708	0.87	0.2	28.7	20	0.5	14.5	2.3	0.1	1	19	14.8	0.2
1428115	Drill Core		0.092	5.6	555	7.11	317	0.451	7.28	1.901	0.81	<0.1	28.5	12	0.5	13.9	2.0	0.1	1	30	27.3	0.3
1428116	Drill Core		0.119	8.0	354	4.82	336	0.492	8.23	2.933	1.05	<0.1	21.8	17	0.5	16.2	2.0	0.1	1	25	16.6	0.3
1428117	Drill Core		0.075	7.5	795	7.95	217	0.317	5.41	1.719	0.72	<0.1	25.3	15	0.5	14.9	1.4	<0.1	<1	26	15.5	<0.1
1428118	Drill Core		0.070	5.0	941	8.89	110	0.284	5.20	1.396	0.35	0.1	28.4	11	0.9	11.5	1.3	<0.1	<1	25	19.3	0.3
1428119	Drill Core		0.086	6.4	695	6.69	79	0.345	6.27	2.951	0.24	<0.1	37.9	14	0.6	14.2	2.2	0.2	1	24	22.3	<0.1
1428120	Drill Core		0.099	6.8	58	2.56	474	0.461	8.95	3.889	1.08	0.2	19.6	15	0.4	16.6	1.6	<0.1	<1	19	13.6	0.4

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428091	Drill Core	11.5	1.2	<0.05	0.120	<1	3.6	<0.5
1428092	Drill Core	9.6	1.1	0.06	0.019	<1	4.0	<0.5
1428093	Drill Core	10.4	1.3	<0.05	0.034	1	0.5	<0.5
1428094	Drill Core	8.9	1.4	<0.05	0.025	<1	0.7	<0.5
1428095	Drill Core	6.1	1.5	<0.05	0.077	1	<0.5	<0.5
1428096	Drill Core	12.0	1.1	<0.05	0.042	1	0.7	<0.5
1428097	Drill Core	11.2	1.2	<0.05	0.156	2	0.6	<0.5
1428098	Drill Core	13.3	1.4	<0.05	0.067	<1	<0.5	<0.5
1428099	Drill Core	6.5	1.4	<0.05	0.104	<1	0.8	<0.5
1428100	Drill Core	7.9	1.5	<0.05	0.125	<1	<0.5	<0.5
1428101	Drill Core	32.4	1.2	<0.05	0.063	2	0.7	<0.5
1428102	Drill Core	7.5	1.4	0.06	0.072	1	1.3	<0.5
1428103	Drill Core	24.9	0.9	0.07	0.010	1	0.7	<0.5
1428104	Drill Core	31.2	1.1	0.08	0.011	1	1.4	<0.5
1428105	Drill Core	31.0	1.0	0.06	0.019	<1	1.0	<0.5
1428106	Drill Core	23.1	0.9	0.06	0.031	<1	<0.5	<0.5
1428107	Drill Core	34.6	0.8	0.11	0.016	<1	0.6	<0.5
1428108	Drill Core	41.0	0.9	<0.05	0.013	<1	0.8	<0.5
1428109	Drill Core	31.5	1.0	0.05	0.005	<1	0.9	<0.5
1428110	Drill Core	30.1	1.3	<0.05	0.023	<1	<0.5	<0.5
1428111	Drill Core	21.7	1.1	<0.05	<0.005	<1	<0.5	<0.5
1428112	Drill Core	16.3	1.2	<0.05	<0.005	<1	<0.5	<0.5
1428113	Drill Core	17.9	1.2	<0.05	<0.005	<1	0.8	<0.5
1428114	Drill Core	30.9	0.9	<0.05	0.009	<1	1.1	<0.5
1428115	Drill Core	23.0	1.0	0.07	0.016	1	1.3	<0.5
1428116	Drill Core	29.3	0.8	<0.05	0.013	<1	0.9	<0.5
1428117	Drill Core	17.5	0.9	0.11	0.008	<1	2.1	<0.5
1428118	Drill Core	6.1	0.9	0.06	0.027	<1	4.5	<0.5
1428119	Drill Core	6.0	1.2	<0.05	0.008	<1	1.4	<0.5
1428120	Drill Core	32.2	0.8	0.07	0.019	1	0.9	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428121	Drill Core	3.84	0.028	0.4	378.4	2.0	43	<0.1	138.8	60.3	1214	6.02	3	0.9	1.5	425	<0.1	0.2	<0.1	243	5.57
1428122	Drill Core	3.82	0.031	1.0	475.8	3.5	46	<0.1	140.3	54.6	1085	6.51	3	1.2	1.6	339	<0.1	0.1	<0.1	231	4.91
1428123	Drill Core	5.40	0.053	1.3	784.0	1.0	15	<0.1	16.4	44.8	524	7.59	9	1.8	1.6	196	<0.1	0.2	<0.1	259	4.60
1428124	Drill Core	3.32	0.105	3.3	1060.7	1.0	14	0.1	20.0	48.5	425	4.61	6	0.8	2.4	214	<0.1	0.3	<0.1	120	2.99
1428125	Drill Core	2.92	0.021	0.4	412.8	1.3	35	0.1	61.8	42.3	1074	7.03	2	1.4	2.0	395	<0.1	0.2	<0.1	268	5.56
1428126	Drill Core	2.88	0.098	0.9	960.2	1.7	32	0.1	35.9	48.5	875	6.88	3	2.1	2.7	365	<0.1	0.2	<0.1	323	4.36
1428127	Drill Core	3.20	0.163	1.1	1012.8	2.7	18	0.2	24.6	36.6	764	6.56	7	1.8	2.1	758	<0.1	2.1	<0.1	234	9.03
1428128	Drill Core	2.64	0.005	0.5	52.2	1.9	85	<0.1	16.1	22.9	1328	6.18	8	0.4	0.7	286	<0.1	0.2	<0.1	171	5.86
1428129	Drill Core	2.79	0.006	0.2	51.1	2.3	88	<0.1	27.1	25.8	1355	6.41	6	0.4	0.7	393	<0.1	0.2	<0.1	194	6.15
1428130	Drill Core	0.32	0.006	0.3	55.5	2.1	89	<0.1	24.8	24.5	1344	6.40	4	0.4	0.8	394	<0.1	0.2	<0.1	188	5.92
1428131	Drill Core	2.11	0.008	0.4	107.2	2.0	56	<0.1	22.6	26.6	1297	6.08	5	0.6	1.1	267	<0.1	0.2	<0.1	196	6.12
1428132	Drill Core	3.25	0.085	0.2	411.0	1.5	39	0.2	37.1	36.0	907	6.35	5	1.2	1.6	343	<0.1	0.5	<0.1	257	5.92
1428133	Drill Core	3.45	0.052	0.2	432.9	1.4	36	<0.1	42.1	35.6	920	6.77	3	1.2	1.3	544	<0.1	<0.1	<0.1	290	6.34
1428134	Drill Core	3.56	0.199	0.3	2075.7	1.9	23	0.2	26.8	60.0	681	7.71	10	1.3	1.9	437	<0.1	0.6	<0.1	229	5.06
1428135	Drill Core	4.90	0.008	0.3	82.7	1.7	81	<0.1	20.7	28.4	1247	6.27	6	0.4	0.7	291	<0.1	0.2	<0.1	179	5.87
1428136	Drill Core	3.36	0.090	3.4	992.9	2.0	23	0.2	31.7	78.6	777	6.36	9	1.4	1.5	396	<0.1	0.5	<0.1	231	5.92
1428137	Drill Core	3.72	0.075	0.3	973.2	1.6	30	0.1	32.6	63.3	815	7.43	6	1.1	1.4	417	<0.1	<0.1	<0.1	300	5.97
1428138	Drill Core	2.51	0.078	0.3	643.6	1.7	36	<0.1	25.7	38.1	955	6.03	5	0.9	1.4	562	<0.1	0.2	<0.1	250	5.51
1428139	Drill Core	3.38	0.041	0.3	447.1	2.1	53	0.1	35.5	48.4	1337	7.61	3	1.0	1.6	317	<0.1	0.2	<0.1	370	5.73
1428140	Drill Core	3.38	0.092	0.3	1072.0	1.7	51	0.2	36.6	64.9	1169	7.88	4	1.0	1.7	216	<0.1	0.2	<0.1	318	5.88
1428141	Drill Core	4.16	0.075	0.4	952.5	1.0	30	0.1	51.4	41.5	938	7.03	5	1.6	1.9	351	<0.1	0.1	<0.1	226	5.73
1428142	Drill Core	3.38	0.100	0.4	1033.6	2.1	49	0.2	76.4	42.3	1222	6.31	<1	0.8	1.4	366	<0.1	0.1	<0.1	264	5.97
1428143	Drill Core	5.69	0.298	0.6	2467.1	1.4	20	0.2	36.7	73.5	716	9.36	11	1.2	1.7	416	<0.1	1.0	<0.1	240	6.25
1428144	Drill Core	2.90	0.145	1.0	1675.6	1.1	22	0.2	42.7	72.4	672	9.03	4	1.3	1.4	425	<0.1	0.3	<0.1	259	5.95
1428145	Drill Core	4.91	0.021	0.3	284.8	0.9	27	<0.1	39.8	28.7	771	6.43	2	1.1	1.7	383	<0.1	<0.1	<0.1	269	5.91
1428146	Drill Core	3.33	0.014	0.2	110.3	0.8	29	<0.1	32.9	22.9	1183	5.33	<1	1.6	2.2	436	<0.1	<0.1	<0.1	189	8.17
1428147	Drill Core	4.47	0.030	0.4	484.3	1.2	34	<0.1	61.9	40.4	988	5.77	2	1.6	2.2	415	<0.1	<0.1	<0.1	201	5.89
1428148	Drill Core	3.92	0.250	0.5	3810.0	1.3	23	0.3	40.5	52.5	544	6.45	3	1.9	2.4	289	<0.1	<0.1	<0.1	187	4.30
1428149	Drill Core	4.47	0.295	1.0	2277.9	2.3	14	0.2	39.9	62.6	968	14.49	8	1.7	1.6	1299	<0.1	4.0	<0.1	251	8.27
1428150	Drill Core	5.17	0.199	1.6	2076.4	2.1	14	0.2	42.9	68.3	844	15.35	8	1.5	1.5	1207	<0.1	3.6	<0.1	272	8.98

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428121	Drill Core		0.110	9.3	307	4.64	348	0.422	7.58	3.185	0.78	0.2	21.7	18	0.5	16.9	1.9	0.1	1	22	13.5	0.3
1428122	Drill Core		0.129	9.8	358	4.08	524	0.424	7.71	3.639	1.01	<0.1	24.9	20	0.7	19.3	2.2	0.2	<1	22	13.4	0.3
1428123	Drill Core		0.139	5.8	3	1.89	19	0.454	8.55	5.197	0.06	0.2	46.1	16	1.4	18.1	1.8	0.1	<1	19	9.0	0.3
1428124	Drill Core		0.086	4.0	29	1.39	23	0.270	7.91	6.513	0.10	0.2	47.0	10	0.5	9.4	1.6	0.1	1	9	4.9	0.5
1428125	Drill Core		0.175	11.8	172	3.76	144	0.494	7.88	4.092	0.45	0.3	33.1	25	0.7	18.7	2.7	0.2	1	25	12.1	0.3
1428126	Drill Core		0.237	14.4	45	2.20	333	0.587	8.48	4.728	0.79	0.3	27.0	31	0.9	23.0	2.9	0.2	<1	19	9.5	0.4
1428127	Drill Core		0.175	13.7	23	1.51	39	0.447	9.43	3.574	0.12	0.6	40.5	25	0.9	17.5	2.2	0.1	2	16	7.6	0.4
1428128	Drill Core		0.130	4.8	28	1.91	241	0.491	9.61	3.814	0.87	0.3	40.2	12	0.5	12.1	2.1	0.1	<1	11	21.4	<0.1
1428129	Drill Core		0.120	4.7	46	2.33	435	0.529	9.60	3.534	1.04	0.2	38.5	11	0.5	12.3	1.9	0.1	<1	15	21.8	<0.1
1428130	Drill Core		0.121	5.2	47	2.31	526	0.507	9.40	3.635	1.11	0.2	40.9	12	0.5	12.9	2.1	0.1	<1	14	24.1	<0.1
1428131	Drill Core		0.146	7.4	29	2.28	111	0.497	9.63	4.069	0.36	0.4	39.1	16	0.6	14.9	2.2	0.1	<1	13	21.3	<0.1
1428132	Drill Core		0.185	10.3	45	2.39	147	0.514	8.99	4.030	0.54	0.4	28.5	23	0.8	18.0	2.3	0.1	1	18	11.7	0.3
1428133	Drill Core		0.120	8.3	68	3.03	355	0.480	8.73	3.467	0.92	<0.1	25.4	19	0.7	15.6	1.7	<0.1	1	24	12.7	0.2
1428134	Drill Core		0.135	5.8	21	2.00	99	0.412	8.62	4.165	0.35	0.2	48.1	14	0.7	16.3	1.9	0.1	<1	16	10.9	0.7
1428135	Drill Core		0.130	4.6	35	2.03	201	0.494	9.71	3.935	0.63	0.3	39.6	11	0.6	12.2	2.1	0.2	<1	12	20.1	<0.1
1428136	Drill Core		0.116	8.3	82	2.40	186	0.442	8.99	4.072	0.60	0.2	24.3	19	0.9	16.3	1.6	<0.1	1	22	12.0	0.8
1428137	Drill Core		0.104	7.1	52	2.81	257	0.525	9.20	3.457	0.92	0.1	21.6	18	0.9	17.6	1.2	<0.1	<1	26	11.7	0.5
1428138	Drill Core		0.113	6.8	16	2.27	359	0.475	9.42	3.950	1.07	0.2	19.4	17	0.6	15.6	1.4	<0.1	<1	18	16.6	0.3
1428139	Drill Core		0.078	7.0	48	3.28	345	0.517	8.21	2.621	1.07	0.2	20.8	15	0.7	14.6	1.4	0.1	<1	32	17.1	0.3
1428140	Drill Core		0.087	7.2	41	2.82	253	0.477	8.16	2.803	0.94	0.1	19.7	16	0.7	14.1	1.3	<0.1	<1	28	13.2	0.4
1428141	Drill Core		0.146	9.6	179	3.40	181	0.440	7.13	3.413	0.51	0.2	29.2	22	0.8	16.9	2.3	0.1	<1	26	12.8	0.3
1428142	Drill Core		0.129	11.2	119	3.42	412	0.467	7.26	3.260	0.70	0.1	21.7	22	0.4	18.6	2.3	0.1	<1	28	13.9	0.3
1428143	Drill Core		0.090	5.9	69	2.58	264	0.385	7.45	2.958	0.67	0.1	21.6	14	1.0	12.6	1.4	<0.1	<1	25	6.5	0.9
1428144	Drill Core		0.112	6.1	86	3.18	252	0.429	7.48	2.688	0.95	0.1	25.8	15	1.0	15.1	1.6	<0.1	<1	25	5.9	0.6
1428145	Drill Core		0.094	8.1	93	3.26	339	0.452	7.81	3.041	0.92	0.1	22.7	17	0.7	14.2	1.6	0.1	1	31	11.5	<0.1
1428146	Drill Core		0.139	11.3	107	2.75	219	0.386	6.95	3.417	0.39	<0.1	55.2	22	0.7	17.7	2.5	0.1	<1	21	9.2	<0.1
1428147	Drill Core		0.125	11.5	152	3.18	360	0.425	7.29	3.886	0.58	0.1	31.0	24	0.8	21.0	3.2	0.2	2	25	10.4	0.3
1428148	Drill Core		0.139	9.6	96	2.56	79	0.443	7.74	4.552	0.37	0.1	27.9	21	1.2	18.6	3.3	0.2	1	21	6.9	0.7
1428149	Drill Core		0.106	7.5	69	2.13	305	0.330	7.22	1.525	0.79	0.2	24.3	16	1.2	15.0	2.6	0.1	<1	13	4.7	1.1
1428150	Drill Core		0.119	6.4	65	1.98	147	0.347	6.87	1.243	0.65	0.2	23.7	14	1.2	14.6	2.6	0.2	<1	12	3.9	1.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428121	Drill Core	23.3	0.8	<0.05	0.012	1	2.4	<0.5
1428122	Drill Core	28.1	1.0	<0.05	0.008	2	1.4	<0.5
1428123	Drill Core	0.6	1.6	<0.05	0.006	<1	0.5	<0.5
1428124	Drill Core	1.0	1.6	<0.05	0.038	1	<0.5	<0.5
1428125	Drill Core	13.2	1.2	<0.05	0.012	2	2.3	<0.5
1428126	Drill Core	20.1	1.0	<0.05	0.022	1	0.7	<0.5
1428127	Drill Core	3.4	1.5	0.06	0.011	<1	0.5	<0.5
1428128	Drill Core	6.9	1.3	<0.05	<0.005	<1	<0.5	<0.5
1428129	Drill Core	9.6	1.3	<0.05	0.006	<1	0.6	<0.5
1428130	Drill Core	12.8	1.3	<0.05	<0.005	<1	0.6	<0.5
1428131	Drill Core	4.5	1.3	<0.05	<0.005	<1	1.4	<0.5
1428132	Drill Core	17.8	1.1	<0.05	0.027	<1	0.8	<0.5
1428133	Drill Core	29.6	1.0	<0.05	0.038	1	0.9	<0.5
1428134	Drill Core	12.5	1.6	<0.05	0.043	1	<0.5	<0.5
1428135	Drill Core	5.1	1.3	0.07	<0.005	<1	0.7	<0.5
1428136	Drill Core	25.2	0.9	0.07	0.044	1	0.5	<0.5
1428137	Drill Core	34.4	0.9	<0.05	0.020	2	1.0	<0.5
1428138	Drill Core	28.2	0.8	0.05	0.016	2	<0.5	<0.5
1428139	Drill Core	37.5	0.8	0.06	0.013	<1	1.9	<0.5
1428140	Drill Core	35.4	0.7	0.06	0.013	1	1.1	<0.5
1428141	Drill Core	19.9	1.1	0.05	0.007	<1	1.5	<0.5
1428142	Drill Core	23.6	0.7	<0.05	0.027	<1	0.9	<0.5
1428143	Drill Core	24.6	0.8	<0.05	0.043	1	<0.5	<0.5
1428144	Drill Core	33.9	0.9	0.05	0.099	<1	1.2	<0.5
1428145	Drill Core	32.9	0.8	<0.05	0.007	<1	2.0	<0.5
1428146	Drill Core	13.7	1.4	0.07	<0.005	<1	2.4	<0.5
1428147	Drill Core	16.6	1.1	<0.05	0.007	1	1.5	<0.5
1428148	Drill Core	13.3	1.1	<0.05	0.020	2	<0.5	<0.5
1428149	Drill Core	18.6	0.9	<0.05	0.031	<1	0.9	<0.5
1428150	Drill Core	12.6	0.8	0.06	0.046	1	1.0	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428151	Drill Core	3.64	0.096	0.6	1392.3	0.9	22	0.2	29.9	36.8	623	5.78	4	1.5	1.7	434	<0.1	0.1	<0.1	178	4.82
1428152	Drill Core	4.27	0.043	0.3	606.0	1.0	41	0.1	86.5	43.3	984	6.96	2	1.0	1.6	336	<0.1	<0.1	<0.1	297	6.53
1428153	Drill Core	4.73	0.121	0.1	1845.5	1.0	29	0.2	48.1	36.3	792	7.80	2	1.0	1.2	313	<0.1	0.3	<0.1	253	6.16
1428154	Drill Core	4.23	0.049	1.2	734.8	0.9	35	0.1	42.0	43.1	894	7.96	4	1.2	1.6	216	<0.1	0.2	<0.1	272	6.33
1428155	Drill Core	4.77	0.063	4.0	970.8	1.1	34	0.2	58.9	54.6	971	8.16	3	1.0	1.0	287	<0.1	0.1	<0.1	247	6.02
1428156	Drill Core	4.85	0.103	0.2	1178.9	1.3	34	<0.1	39.4	43.9	863	7.49	<1	1.0	1.4	435	<0.1	<0.1	<0.1	287	6.73
1428157	Drill Core	4.82	0.083	0.2	816.3	1.1	33	<0.1	44.1	46.0	834	7.19	2	1.2	1.6	384	<0.1	0.1	<0.1	272	6.33
1428158	Drill Core	3.71	0.109	0.2	1243.2	1.9	28	0.1	30.1	51.1	618	6.03	3	1.2	1.5	467	<0.1	0.1	<0.1	248	5.73
1428159	Drill Core	3.06	0.042	0.4	660.1	1.4	22	<0.1	19.7	46.1	568	6.63	2	1.3	1.5	337	<0.1	0.2	<0.1	262	5.53
1428160	Drill Core	4.26	0.074	8.8	922.3	2.2	20	0.2	27.3	72.4	597	8.15	4	1.5	1.5	389	<0.1	0.8	<0.1	245	5.26
1428161	Drill Core	5.15	0.048	32.2	818.6	1.4	29	<0.1	36.5	52.8	918	8.72	3	1.4	1.6	299	<0.1	0.3	<0.1	270	5.50
1428162	Drill Core	3.34	0.172	0.5	1359.0	1.8	19	0.2	37.9	108.7	646	10.11	4	1.4	2.2	399	<0.1	0.5	<0.1	144	3.57
1428163	Drill Core	3.34	0.154	18.8	2043.4	1.8	23	0.2	35.9	93.1	670	9.96	4	1.1	2.0	449	<0.1	0.8	<0.1	146	4.65
1428164	Drill Core	4.06	0.146	1.1	2755.6	1.7	32	0.3	44.4	113.0	531	10.11	4	1.2	1.9	378	<0.1	0.4	<0.1	143	4.23
1428165	Drill Core	4.32	0.059	51.4	1238.6	1.5	40	0.2	42.7	90.4	865	9.87	3	1.3	1.4	372	<0.1	0.4	<0.1	257	4.96
1428166	Drill Core	4.49	0.103	0.4	1309.1	1.4	40	0.2	26.6	61.1	920	7.62	3	1.8	2.4	346	<0.1	0.4	<0.1	277	5.53
1428167	Drill Core	4.82	0.027	0.5	582.4	1.8	49	0.1	23.7	35.6	1020	7.16	2	1.9	2.6	360	<0.1	0.2	<0.1	273	5.94
1428168	Drill Core	4.28	0.022	0.4	265.6	1.9	38	<0.1	23.0	36.2	858	6.73	3	1.3	1.6	251	<0.1	0.1	<0.1	281	6.49
1428169	Drill Core	3.56	0.045	0.4	1144.9	2.2	43	0.2	29.5	59.3	843	7.34	4	0.8	0.9	435	<0.1	0.5	<0.1	278	6.84
1428170	Drill Core	3.70	0.029	0.3	512.2	1.4	45	<0.1	29.2	47.6	852	7.11	4	0.7	1.0	321	<0.1	0.2	<0.1	290	6.15
1428171	Drill Core	4.32	0.141	0.3	1979.2	2.2	55	0.3	37.5	91.3	837	7.48	4	0.7	0.9	460	<0.1	0.2	<0.1	255	5.77
1428172	Drill Core	4.24	0.100	0.3	1497.5	3.3	58	0.3	54.9	127.1	1043	9.43	5	0.6	0.8	362	<0.1	0.3	<0.1	359	5.65
1428173	Drill Core	4.58	0.016	0.2	319.7	1.7	46	<0.1	37.6	65.3	892	7.65	4	0.6	0.7	467	<0.1	<0.1	<0.1	371	6.36
1428174	Drill Core	4.20	0.077	0.3	1214.7	2.7	53	0.2	37.0	75.2	960	8.54	3	0.6	0.8	438	<0.1	0.4	<0.1	407	6.14
1428175	Drill Core	4.68	0.065	0.4	1534.3	2.4	58	0.2	36.1	71.3	1140	6.87	4	0.5	0.7	495	<0.1	0.6	<0.1	262	5.71
1428176	Drill Core	3.40	0.076	4.2	1858.8	2.7	59	0.3	36.8	69.8	1165	7.36	3	0.7	0.7	546	<0.1	1.1	<0.1	280	6.29
1428177	Drill Core	4.39	0.122	2.0	1354.0	4.7	47	0.4	28.0	66.2	720	6.33	5	0.9	1.2	484	<0.1	1.0	<0.1	225	7.16
1428178	Drill Core	4.36	0.294	3.0	1604.9	3.7	44	0.3	30.2	82.5	895	9.05	4	0.9	1.4	648	<0.1	1.9	<0.1	353	7.06
1428179	Drill Core	3.82	0.196	0.3	1154.2	4.3	44	0.2	22.2	60.1	881	8.43	5	0.7	1.4	703	<0.1	1.8	<0.1	343	6.39
1428180	Drill Core	4.05	0.235	0.2	1592.2	2.8	52	0.3	25.7	54.6	857	8.69	6	1.0	1.3	631	<0.1	1.6	<0.1	344	5.98

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Project: Hat
Report Date: September 05, 2014

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		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428151	Drill Core		0.098	6.0	73	2.73	293	0.424	8.27	3.845	0.82	0.1	23.3	15	1.3	14.8	2.0	0.1	1	19	8.4	0.3
1428152	Drill Core		0.052	5.3	240	4.74	355	0.562	7.29	2.200	1.13	<0.1	27.8	12	0.8	15.3	1.3	<0.1	<1	41	16.1	0.1
1428153	Drill Core		0.085	8.1	144	3.57	136	0.465	7.81	2.806	0.64	0.1	28.9	17	1.0	14.6	1.4	<0.1	1	32	9.8	0.3
1428154	Drill Core		0.087	6.0	157	4.06	122	0.493	7.19	2.824	0.49	0.1	39.1	16	0.9	16.1	1.7	0.1	<1	41	10.2	0.2
1428155	Drill Core		0.104	6.5	152	3.90	194	0.422	7.34	2.926	0.58	0.1	30.5	15	1.0	15.3	1.2	<0.1	<1	29	12.9	0.3
1428156	Drill Core		0.101	7.0	76	3.60	220	0.472	7.72	2.835	0.61	0.1	31.3	18	0.8	18.4	1.6	<0.1	<1	34	7.6	0.2
1428157	Drill Core		0.091	7.6	123	3.86	220	0.483	7.77	2.885	0.64	<0.1	36.4	19	0.8	15.5	1.6	<0.1	<1	34	7.7	0.3
1428158	Drill Core		0.095	8.0	47	2.55	247	0.461	8.90	3.225	0.74	0.1	30.2	20	0.8	12.6	1.5	<0.1	2	24	10.4	0.6
1428159	Drill Core		0.120	7.7	33	2.62	202	0.481	8.42	3.458	0.58	0.2	32.0	19	0.9	14.4	1.7	<0.1	1	27	8.8	0.2
1428160	Drill Core		0.111	5.3	12	2.17	108	0.407	8.28	3.978	0.27	0.1	40.6	14	0.9	12.8	1.6	<0.1	<1	23	8.1	0.6
1428161	Drill Core		0.119	8.1	51	2.84	268	0.497	8.06	3.035	0.81	0.2	29.8	21	0.9	15.5	1.7	<0.1	<1	31	9.6	0.3
1428162	Drill Core		0.173	4.9	2	1.66	77	0.362	8.36	4.583	0.27	0.1	56.7	13	0.7	16.1	2.1	0.1	<1	10	8.8	1.0
1428163	Drill Core		0.163	4.4	4	1.51	60	0.342	8.33	4.177	0.20	0.2	56.0	12	0.6	14.4	1.9	0.1	<1	9	9.9	1.0
1428164	Drill Core		0.161	4.1	3	1.53	67	0.351	8.56	4.343	0.25	<0.1	55.5	12	0.6	14.1	2.0	0.1	1	10	7.7	0.9
1428165	Drill Core		0.116	14.4	52	2.90	250	0.466	7.88	3.094	0.60	0.1	27.9	29	1.0	15.9	1.6	<0.1	<1	28	11.1	0.6
1428166	Drill Core		0.115	9.4	52	2.89	165	0.476	8.01	3.045	0.60	0.2	33.2	24	1.0	16.0	1.9	0.1	<1	30	11.1	0.4
1428167	Drill Core		0.126	9.8	45	2.86	175	0.478	8.47	3.231	0.62	0.3	45.8	24	1.0	16.4	2.2	0.1	<1	29	13.2	0.1
1428168	Drill Core		0.126	8.9	52	3.04	178	0.499	8.40	2.926	0.60	0.2	31.4	22	0.7	14.6	1.5	<0.1	<1	32	10.9	0.1
1428169	Drill Core		0.127	6.9	50	2.92	181	0.497	8.28	2.828	0.57	0.2	29.7	18	0.8	14.4	1.5	<0.1	<1	31	8.7	0.4
1428170	Drill Core		0.091	5.1	52	3.34	183	0.479	8.16	2.858	0.58	0.2	31.7	14	0.9	14.3	1.3	<0.1	<1	33	10.7	0.2
1428171	Drill Core		0.078	4.3	38	2.74	266	0.428	8.98	3.033	0.74	0.1	26.8	12	0.9	12.1	0.9	<0.1	<1	24	10.3	0.7
1428172	Drill Core		0.088	3.6	34	2.83	239	0.441	8.46	2.671	0.73	0.3	22.9	10	0.7	13.5	0.9	<0.1	<1	25	12.1	0.9
1428173	Drill Core		0.073	4.1	51	3.20	291	0.449	8.80	2.674	0.80	0.1	24.9	12	0.7	14.1	1.0	<0.1	<1	29	12.1	0.4
1428174	Drill Core		0.079	4.3	44	3.32	161	0.486	8.64	2.950	0.51	0.1	25.4	11	0.8	13.9	1.1	<0.1	<1	30	14.5	0.6
1428175	Drill Core		0.080	3.7	32	2.58	215	0.424	9.24	3.225	0.75	0.2	23.7	10	0.6	13.1	0.9	<0.1	<1	21	12.8	0.6
1428176	Drill Core		0.093	3.9	22	2.38	184	0.439	9.53	3.045	0.64	0.1	21.8	11	0.6	13.5	0.9	<0.1	<1	21	13.1	0.5
1428177	Drill Core		0.113	5.1	6	1.68	70	0.404	10.13	3.649	0.18	0.2	24.5	14	0.7	13.4	1.1	<0.1	<1	15	17.7	0.4
1428178	Drill Core		0.117	5.6	25	2.87	40	0.463	8.77	3.088	0.13	0.1	28.7	15	0.8	14.4	1.1	<0.1	<1	30	14.5	0.6
1428179	Drill Core		0.119	5.6	26	3.17	33	0.481	8.70	3.456	0.09	0.1	29.2	15	0.9	14.3	1.1	<0.1	<1	31	11.7	0.5
1428180	Drill Core		0.118	6.3	25	2.96	89	0.494	8.75	3.396	0.29	0.1	28.9	16	0.9	15.4	1.1	<0.1	<1	28	16.1	0.5

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428151	Drill Core	27.5	0.9	0.08	0.024	<1	0.7	<0.5
1428152	Drill Core	36.8	1.1	0.07	0.007	<1	0.8	<0.5
1428153	Drill Core	22.1	1.0	0.05	0.008	<1	1.8	<0.5
1428154	Drill Core	16.8	1.4	0.06	<0.005	<1	2.0	<0.5
1428155	Drill Core	20.0	1.1	0.08	0.015	<1	1.6	<0.5
1428156	Drill Core	20.4	1.1	0.08	<0.005	<1	3.4	<0.5
1428157	Drill Core	20.7	1.3	<0.05	<0.005	<1	1.0	<0.5
1428158	Drill Core	22.6	1.0	0.07	<0.005	<1	1.3	<0.5
1428159	Drill Core	21.3	1.0	0.07	<0.005	<1	0.6	<0.5
1428160	Drill Core	9.8	1.4	0.05	0.026	<1	0.7	<0.5
1428161	Drill Core	30.2	0.9	<0.05	0.135	<1	1.1	<0.5
1428162	Drill Core	8.5	1.8	<0.05	<0.005	<1	<0.5	<0.5
1428163	Drill Core	5.4	1.7	<0.05	0.051	2	<0.5	<0.5
1428164	Drill Core	6.7	1.7	<0.05	0.011	2	<0.5	<0.5
1428165	Drill Core	18.4	1.1	<0.05	0.231	1	1.4	<0.5
1428166	Drill Core	25.0	1.2	0.06	<0.005	<1	0.8	<0.5
1428167	Drill Core	24.2	1.4	<0.05	<0.005	<1	1.0	<0.5
1428168	Drill Core	20.0	1.0	0.06	<0.005	<1	1.3	<0.5
1428169	Drill Core	18.0	1.1	<0.05	<0.005	<1	0.6	<0.5
1428170	Drill Core	18.3	1.1	<0.05	<0.005	<1	1.0	<0.5
1428171	Drill Core	22.5	1.0	<0.05	<0.005	1	0.6	<0.5
1428172	Drill Core	23.7	1.0	0.06	<0.005	3	<0.5	<0.5
1428173	Drill Core	24.4	1.0	0.06	<0.005	1	0.7	<0.5
1428174	Drill Core	16.6	1.0	<0.05	<0.005	<1	1.1	<0.5
1428175	Drill Core	18.5	0.9	0.10	0.006	<1	0.8	<0.5
1428176	Drill Core	15.8	0.8	0.06	0.010	2	<0.5	<0.5
1428177	Drill Core	5.7	0.9	0.06	0.010	1	<0.5	<0.5
1428178	Drill Core	4.3	1.0	0.07	0.014	1	1.0	<0.5
1428179	Drill Core	2.4	1.0	0.05	<0.005	1	0.9	<0.5
1428180	Drill Core	10.7	1.1	0.11	<0.005	<1	1.2	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428181	Drill Core	3.91	0.044	1.8	1415.1	2.0	53	0.3	42.4	53.2	1008	6.57	4	0.6	0.6	388	<0.1	0.6	<0.1	292	6.89
1428182	Drill Core	3.24	0.167	0.7	1143.7	1.4	20	0.2	16.4	45.2	424	7.28	4	1.0	1.5	457	<0.1	0.2	<0.1	287	5.41
1428183	Drill Core	2.87	0.098	0.3	1514.5	1.5	30	0.3	34.9	35.6	490	7.28	3	1.3	1.5	520	<0.1	0.5	<0.1	226	5.01
1428184	Drill Core	4.55	0.230	0.3	2634.5	2.3	35	0.5	51.8	45.7	453	9.20	4	1.3	1.6	414	<0.1	0.3	<0.1	281	5.52
1428185	Drill Core	4.89	0.214	0.5	3054.8	2.1	53	0.6	59.5	44.8	719	9.61	5	0.8	1.0	338	<0.1	0.5	<0.1	362	5.72
1428186	Drill Core	2.69	0.298	0.3	6077.9	3.3	53	1.1	79.2	59.6	646	12.39	8	1.4	1.1	329	0.1	0.6	<0.1	229	4.61
1428187	Drill Core	3.16	0.350	0.6	7181.0	4.6	51	1.6	88.4	70.1	637	11.23	9	1.4	1.4	273	0.1	0.4	<0.1	237	4.98
1428188	Drill Core	3.23	0.120	0.4	2130.5	2.8	58	0.5	82.9	90.0	894	8.87	6	0.6	0.8	315	<0.1	0.2	<0.1	428	5.82
1428189	Drill Core	3.18	0.452	0.1	7328.7	3.3	69	1.0	152.9	84.1	992	12.48	3	0.6	0.7	538	<0.1	1.0	<0.1	469	5.52
1428190	Drill Core	3.78	0.150	<0.1	3355.6	3.7	49	0.7	50.4	54.8	589	6.33	4	0.4	0.6	541	<0.1	0.5	<0.1	222	5.52
1428191	Drill Core	3.69	0.031	0.1	2044.5	2.2	48	0.5	23.0	28.0	583	3.98	3	0.4	0.6	435	<0.1	1.0	<0.1	143	5.79
1428192	Drill Core	3.33	0.024	0.2	6329.4	5.0	65	2.0	40.2	55.0	782	5.47	2	0.5	0.7	474	0.2	1.1	<0.1	200	6.89

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428181	Drill Core	0.077	4.7	52	3.09	172	0.468	8.96	3.032	0.60	0.2	25.3	12	0.7	14.9	1.1	<0.1	<1	29	14.7	0.4
1428182	Drill Core	0.139	5.1	6	2.17	243	0.425	8.59	3.703	0.66	0.4	35.2	12	0.7	11.1	1.7	<0.1	1	20	7.4	0.4
1428183	Drill Core	0.146	4.9	2	2.12	161	0.458	8.79	4.295	0.32	0.1	45.8	12	0.9	12.7	1.6	<0.1	<1	18	9.9	0.3
1428184	Drill Core	0.143	5.5	4	2.19	164	0.439	8.79	3.744	0.39	0.2	37.2	13	0.8	13.3	1.7	<0.1	<1	20	10.1	0.5
1428185	Drill Core	0.098	4.7	36	2.81	142	0.427	8.54	3.315	0.51	0.2	25.8	12	0.9	14.8	1.3	<0.1	<1	24	11.0	0.6
1428186	Drill Core	0.122	5.1	2	1.80	35	0.407	8.16	3.970	0.10	<0.1	38.3	12	0.7	11.5	1.3	<0.1	<1	17	12.7	0.9
1428187	Drill Core	0.122	4.7	10	2.10	50	0.432	8.47	4.193	0.18	0.1	43.1	13	0.9	16.1	1.5	<0.1	<1	19	10.7	1.2
1428188	Drill Core	0.077	4.0	61	3.29	254	0.424	8.32	2.668	0.66	0.1	23.4	11	1.0	13.4	1.1	<0.1	<1	29	17.4	0.9
1428189	Drill Core	0.112	4.0	46	3.10	812	0.399	8.13	2.395	1.16	0.1	20.1	10	0.9	12.7	1.1	<0.1	<1	24	13.3	1.3
1428190	Drill Core	0.093	2.9	18	1.63	254	0.362	9.64	3.690	0.91	0.1	19.0	7	0.5	10.8	1.1	<0.1	<1	13	15.5	0.8
1428191	Drill Core	0.087	4.1	9	1.07	142	0.340	8.70	4.050	0.55	0.1	19.6	9	0.5	10.3	1.1	<0.1	<1	8	16.7	0.3
1428192	Drill Core	0.099	7.5	16	1.67	70	0.396	9.96	3.828	0.23	0.2	22.9	15	0.8	15.1	1.3	<0.1	<1	15	15.1	0.7

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

CERTIFICATE OF ANALYSIS SMI14000535.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428181	Drill Core	21.6	1.0	0.09	0.010	1	1.4	<0.5
1428182	Drill Core	14.9	1.3	<0.05	<0.005	<1	0.6	<0.5
1428183	Drill Core	5.5	1.7	<0.05	0.006	1	0.7	<0.5
1428184	Drill Core	15.1	1.3	0.07	<0.005	2	0.7	<0.5
1428185	Drill Core	18.5	1.1	0.07	0.007	2	<0.5	<0.5
1428186	Drill Core	2.4	1.4	0.07	<0.005	3	0.8	<0.5
1428187	Drill Core	6.5	1.4	0.08	0.007	4	<0.5	<0.5
1428188	Drill Core	21.1	0.9	0.07	0.006	3	0.6	<0.5
1428189	Drill Core	31.5	0.7	0.13	<0.005	6	0.6	<0.5
1428190	Drill Core	13.1	0.8	0.05	<0.005	4	<0.5	<0.5
1428191	Drill Core	6.8	0.7	0.10	<0.005	<1	<0.5	<0.5
1428192	Drill Core	7.4	0.9	0.09	<0.005	3	<0.5	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

QUALITY CONTROL REPORT SMI14000535.1

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
1428016	Drill Core	5.44	0.059	2.3	192.6	4.1	44	0.1	75.4	50.2	1027	9.13	4	0.9	1.0	335	0.2	0.3	<0.1	289	5.75
REP 1428016	QC			2.3	185.3	3.9	45	0.1	75.6	48.2	1010	9.00	4	0.9	0.9	328	0.2	0.3	<0.1	279	5.64
1428043	Drill Core	4.31	0.018	0.4	233.6	0.9	35	<0.1	49.9	34.9	1128	7.61	5	1.0	1.4	323	<0.1	0.5	<0.1	277	5.57
REP 1428043	QC		0.015																		
1428051	Drill Core	3.62	0.011	0.6	75.2	0.9	22	<0.1	14.5	45.6	703	5.59	6	0.9	1.1	341	<0.1	0.3	<0.1	217	4.35
REP 1428051	QC			0.6	79.1	0.9	20	<0.1	14.4	44.1	722	5.63	7	0.8	1.2	330	<0.1	0.3	<0.1	219	4.40
1428056	Drill Core	3.33	0.018	6.1	173.2	1.0	20	<0.1	13.1	42.0	522	6.24	5	0.9	1.2	247	<0.1	0.2	<0.1	217	4.26
REP 1428056	QC		0.013																		
1428086	Drill Core	3.62	0.029	0.3	736.5	1.3	28	<0.1	46.9	37.8	865	4.94	<1	1.0	1.3	273	<0.1	0.2	<0.1	202	6.20
REP 1428086	QC			0.3	726.2	1.3	29	<0.1	48.6	37.2	852	4.99	1	1.0	1.5	287	<0.1	0.2	<0.1	204	6.20
1428118	Drill Core	2.98	0.048	4.1	726.9	1.5	52	0.2	415.0	82.3	1503	6.94	4	0.5	0.9	76	0.1	0.1	<0.1	208	6.23
REP 1428118	QC		0.043																		
1428122	Drill Core	3.82	0.031	1.0	475.8	3.5	46	<0.1	140.3	54.6	1085	6.51	3	1.2	1.6	339	<0.1	0.1	<0.1	231	4.91
REP 1428122	QC			0.9	481.9	2.9	46	0.1	142.6	52.7	1095	6.52	5	1.2	1.8	338	0.1	0.1	<0.1	232	4.93
1428131	Drill Core	2.11	0.008	0.4	107.2	2.0	56	<0.1	22.6	26.6	1297	6.08	5	0.6	1.1	267	<0.1	0.2	<0.1	196	6.12
REP 1428131	QC		0.008																		
1428157	Drill Core	4.82	0.083	0.2	816.3	1.1	33	<0.1	44.1	46.0	834	7.19	2	1.2	1.6	384	<0.1	0.1	<0.1	272	6.33
REP 1428157	QC			0.1	810.2	1.2	34	<0.1	44.0	46.0	842	7.24	<1	1.2	1.5	415	<0.1	<0.1	<0.1	275	6.25
1428186	Drill Core	2.69	0.298	0.3	6077.9	3.3	53	1.1	79.2	59.6	646	12.39	8	1.4	1.1	329	0.1	0.6	<0.1	229	4.61
REP 1428186	QC			0.3	6212.4	3.3	58	1.1	80.4	59.1	686	12.60	7	1.5	1.1	356	<0.1	0.8	<0.1	235	4.67
1428192	Drill Core	3.33	0.024	0.2	6329.4	5.0	65	2.0	40.2	55.0	782	5.47	2	0.5	0.7	474	0.2	1.1	<0.1	200	6.89
REP 1428192	QC		0.023																		
Core Reject Duplicates																					
1428009	Drill Core	2.57	0.018	4.1	178.1	0.8	34	0.1	22.0	36.9	1937	7.98	2	2.1	1.2	350	<0.1	0.4	<0.1	247	3.49
DUP 1428009	QC		0.023	5.4	182.3	0.8	34	<0.1	23.9	38.5	1963	8.02	2	2.1	1.4	359	<0.1	0.5	<0.1	252	3.53
1428047	Drill Core	3.84	0.049	0.7	484.3	1.0	31	0.1	62.4	42.1	1076	7.21	6	0.6	0.9	300	<0.1	0.5	<0.1	299	5.86
DUP 1428047	QC		0.035	0.8	498.5	1.3	33	<0.1	66.2	44.9	1117	7.53	5	0.7	0.9	306	<0.1	0.5	<0.1	310	6.02
1428085	Drill Core	5.83	0.031	0.8	953.9	4.9	40	0.2	93.4	59.6	942	6.22	<1	1.1	1.8	387	<0.1	0.5	<0.1	235	6.71

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

QUALITY CONTROL REPORT SMI14000535.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																						
1428016	Drill Core		0.083	11.8	201	4.61	352	0.488	7.92	2.194	1.46	0.2	25.5	18	0.9	14.7	1.3	<0.1	<1	35	20.9	0.8
REP 1428016	QC		0.084	11.1	190	4.54	350	0.496	7.83	1.975	1.43	0.2	24.8	17	0.9	14.1	1.2	<0.1	1	34	20.3	0.8
1428043	Drill Core		0.096	7.7	180	3.99	316	0.479	7.74	2.988	1.06	0.3	29.1	16	0.8	17.4	1.5	<0.1	<1	33	14.0	0.2
REP 1428043	QC																					
1428051	Drill Core		0.099	4.3	20	2.08	337	0.438	8.96	4.496	0.82	0.5	45.6	11	0.6	15.6	1.7	<0.1	1	17	11.3	0.3
REP 1428051	QC		0.102	4.4	21	2.11	335	0.444	9.09	4.515	0.87	0.6	45.8	11	0.5	15.4	1.7	<0.1	1	17	11.9	0.3
1428056	Drill Core		0.094	4.8	18	2.26	113	0.417	8.99	4.668	0.57	0.5	45.5	12	0.8	14.8	1.5	<0.1	<1	17	13.7	0.3
REP 1428056	QC																					
1428086	Drill Core		0.113	6.4	90	2.65	609	0.432	8.19	3.386	1.43	0.4	45.4	14	0.8	14.4	2.0	0.1	<1	18	10.7	0.2
REP 1428086	QC		0.115	7.1	87	2.66	650	0.431	8.19	3.344	1.49	0.3	49.3	15	0.7	15.3	2.0	0.1	<1	18	9.6	0.2
1428118	Drill Core		0.070	5.0	941	8.89	110	0.284	5.20	1.396	0.35	0.1	28.4	11	0.9	11.5	1.3	<0.1	<1	25	19.3	0.3
REP 1428118	QC																					
1428122	Drill Core		0.129	9.8	358	4.08	524	0.424	7.71	3.639	1.01	<0.1	24.9	20	0.7	19.3	2.2	0.2	<1	22	13.4	0.3
REP 1428122	QC		0.138	9.4	346	4.21	509	0.425	7.81	3.644	1.03	0.2	23.1	19	0.7	18.7	2.1	0.1	<1	22	13.9	0.3
1428131	Drill Core		0.146	7.4	29	2.28	111	0.497	9.63	4.069	0.36	0.4	39.1	16	0.6	14.9	2.2	0.1	<1	13	21.3	<0.1
REP 1428131	QC																					
1428157	Drill Core		0.091	7.6	123	3.86	220	0.483	7.77	2.885	0.64	<0.1	36.4	19	0.8	15.5	1.6	<0.1	<1	34	7.7	0.3
REP 1428157	QC		0.088	7.5	124	3.78	214	0.493	7.74	2.782	0.61	<0.1	38.6	19	0.9	15.9	1.6	<0.1	1	34	8.0	0.3
1428186	Drill Core		0.122	5.1	2	1.80	35	0.407	8.16	3.970	0.10	<0.1	38.3	12	0.7	11.5	1.3	<0.1	<1	17	12.7	0.9
REP 1428186	QC		0.121	5.4	3	1.83	38	0.420	8.41	4.068	0.09	0.1	41.7	13	0.7	12.4	1.3	<0.1	1	17	13.6	0.9
1428192	Drill Core		0.099	7.5	16	1.67	70	0.396	9.96	3.828	0.23	0.2	22.9	15	0.8	15.1	1.3	<0.1	<1	15	15.1	0.7
REP 1428192	QC																					
Core Reject Duplicates																						
1428009	Drill Core		0.115	7.1	51	2.74	976	0.443	8.30	3.830	1.38	0.4	45.9	15	1.0	15.6	1.6	<0.1	<1	24	10.7	0.4
DUP 1428009	QC		0.119	7.1	51	2.78	985	0.472	8.52	4.016	1.47	0.5	47.2	15	1.0	15.2	1.6	<0.1	1	24	10.7	0.4
1428047	Drill Core		0.071	6.2	212	4.58	224	0.492	7.64	2.670	0.64	0.4	23.2	12	1.0	13.4	1.1	<0.1	<1	38	16.2	0.3
DUP 1428047	QC		0.072	6.6	223	4.75	234	0.494	7.86	2.720	0.66	0.4	24.3	13	1.0	13.7	1.1	<0.1	<1	39	17.6	0.4
1428085	Drill Core		0.207	10.1	292	4.55	680	0.560	7.13	2.748	1.35	0.4	56.8	22	1.1	17.2	4.9	0.3	<1	30	12.1	0.3

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

QUALITY CONTROL REPORT SMI14000535.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Rb	Hf	In	Re	Se	Te	Tl
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
1428016	Drill Core	49.2	1.0	0.14	0.007	<1	0.7	<0.5
REP 1428016	QC	46.7	0.9	0.12	0.010	<1	2.5	<0.5
1428043	Drill Core	29.7	1.1	0.11	<0.005	<1	1.5	<0.5
REP 1428043	QC							
1428051	Drill Core	17.9	1.5	<0.05	<0.005	<1	0.5	<0.5
REP 1428051	QC	17.8	1.5	<0.05	<0.005	<1	<0.5	<0.5
1428056	Drill Core	14.2	1.5	0.06	0.014	<1	0.6	<0.5
REP 1428056	QC							
1428086	Drill Core	34.5	1.5	0.05	<0.005	<1	0.7	<0.5
REP 1428086	QC	36.9	1.6	0.06	<0.005	<1	0.9	<0.5
1428118	Drill Core	6.1	0.9	0.06	0.027	<1	4.5	<0.5
REP 1428118	QC							
1428122	Drill Core	28.1	1.0	<0.05	0.008	2	1.4	<0.5
REP 1428122	QC	28.2	1.0	<0.05	0.012	<1	2.3	<0.5
1428131	Drill Core	4.5	1.3	<0.05	<0.005	<1	1.4	<0.5
REP 1428131	QC							
1428157	Drill Core	20.7	1.3	<0.05	<0.005	<1	1.0	<0.5
REP 1428157	QC	21.0	1.3	<0.05	<0.005	<1	1.2	<0.5
1428186	Drill Core	2.4	1.4	0.07	<0.005	3	0.8	<0.5
REP 1428186	QC	2.7	1.5	<0.05	<0.005	4	<0.5	<0.5
1428192	Drill Core	7.4	0.9	0.09	<0.005	3	<0.5	<0.5
REP 1428192	QC							
Core Reject Duplicates								
1428009	Drill Core	24.3	1.5	0.09	0.007	<1	<0.5	<0.5
DUP 1428009	QC	23.7	1.6	0.08	0.005	<1	0.6	<0.5
1428047	Drill Core	21.5	0.9	0.07	0.008	<1	1.1	<0.5
DUP 1428047	QC	21.2	0.9	0.08	0.014	1	1.8	<0.5
1428085	Drill Core	29.9	1.7	0.05	0.007	1	1.8	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

QUALITY CONTROL REPORT SMI14000535.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
DUP 1428085	QC		0.022	0.8	927.9	3.6	36	<0.1	91.3	57.2	941	6.19	<1	1.1	1.8	349	<0.1	0.4	<0.1	233	6.64
1428123	Drill Core	5.40	0.053	1.3	784.0	1.0	15	<0.1	16.4	44.8	524	7.59	9	1.8	1.6	196	<0.1	0.2	<0.1	259	4.60
DUP 1428123	QC		0.049	1.6	773.9	0.9	12	<0.1	14.6	37.4	500	7.36	8	1.6	1.5	196	<0.1	0.2	<0.1	250	4.19
1428161	Drill Core	5.15	0.048	32.2	818.6	1.4	29	<0.1	36.5	52.8	918	8.72	3	1.4	1.6	299	<0.1	0.3	<0.1	270	5.50
DUP 1428161	QC		0.051	34.7	782.2	1.6	30	<0.1	34.8	49.7	913	8.72	3	1.4	1.6	313	<0.1	0.3	<0.1	271	5.55
Reference Materials																					
STD OREAS25A-4A	Standard			2.5	37.7	27.3	47	<0.1	48.3	8.1	515	6.58	11	3.1	14.8	50	<0.1	0.6	0.4	175	0.28
STD OREAS25A-4A	Standard			2.0	36.9	24.9	42	<0.1	45.0	8.0	510	6.56	9	2.7	15.0	51	<0.1	0.6	0.3	162	0.32
STD OREAS25A-4A	Standard			2.3	35.1	25.4	45	<0.1	45.9	7.6	535	6.54	13	3.0	16.3	51	<0.1	0.7	0.4	166	0.31
STD OREAS25A-4A	Standard			2.5	35.6	26.2	43	<0.1	47.3	8.1	531	6.80	11	3.1	15.3	50	<0.1	0.6	0.3	168	0.30
STD OREAS25A-4A	Standard			2.2	35.0	25.7	43	<0.1	48.1	8.0	498	6.37	12	2.7	14.1	47	<0.1	0.6	0.3	149	0.28
STD OREAS25A-4A	Standard			2.4	35.6	27.0	45	<0.1	49.3	8.3	543	6.84	11	2.9	16.0	52	<0.1	0.6	0.4	163	0.32
STD OREAS45E	Standard			2.1	780.5	18.3	47	0.3	490.6	60.4	560	23.90	17	2.5	12.1	17	<0.1	1.0	0.3	336	0.07
STD OREAS45E	Standard			2.4	796.3	19.6	47	0.4	467.9	59.7	582	25.23	16	2.5	12.8	18	<0.1	1.1	0.3	319	0.07
STD OREAS45E	Standard			2.6	833.5	20.8	50	0.4	491.0	63.7	604	26.65	19	2.5	13.7	20	<0.1	1.1	0.3	332	0.08
STD OREAS45E	Standard			2.4	846.0	19.9	46	0.3	497.0	63.5	619	27.05	17	2.7	13.5	18	<0.1	1.0	0.3	340	0.07
STD OREAS45E	Standard			2.3	765.5	19.3	48	0.3	443.1	58.6	558	24.62	18	2.5	13.0	18	<0.1	1.0	0.3	311	0.07
STD OREAS45E	Standard			2.3	826.4	19.3	44	0.4	511.2	62.0	591	25.22	18	2.6	13.7	19	<0.1	1.1	0.3	345	0.08
STD OXD108	Standard		0.418																		
STD OXD108	Standard		0.437																		
STD OXD108	Standard		0.423																		
STD OXI121	Standard		1.864																		
STD OXI121	Standard		1.915																		
STD OXI121	Standard		1.818																		
STD OXN117	Standard		7.730																		
STD OXN117	Standard		7.707																		
STD OXN117	Standard		7.848																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		

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Project: Hat
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QUALITY CONTROL REPORT SMI14000535.1

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
DUP 1428085	QC	0.200	9.2	279	4.42	626	0.551	6.91	2.621	1.31	0.3	57.0	20	1.1	15.8	4.6	0.3	<1	29	10.2	0.3
1428123	Drill Core	0.139	5.8	3	1.89	19	0.454	8.55	5.197	0.06	0.2	46.1	16	1.4	18.1	1.8	0.1	<1	19	9.0	0.3
DUP 1428123	QC	0.135	5.2	6	1.85	19	0.442	8.42	5.174	0.05	0.3	45.2	15	1.2	18.4	1.9	<0.1	1	19	9.0	0.2
1428161	Drill Core	0.119	8.1	51	2.84	268	0.497	8.06	3.035	0.81	0.2	29.8	21	0.9	15.5	1.7	<0.1	<1	31	9.6	0.3
DUP 1428161	QC	0.120	8.7	50	2.90	286	0.487	7.99	2.985	0.80	0.1	31.0	21	1.0	16.5	1.8	<0.1	<1	31	12.2	0.3
Reference Materials																					
STD OREAS25A-4A	Standard	0.049	21.2	115	0.37	151	0.980	8.75	0.144	0.47	2.1	164.6	46	4.6	11.1	21.8	1.6	1	14	38.5	<0.1
STD OREAS25A-4A	Standard	0.048	23.3	119	0.36	143	0.955	9.14	0.141	0.49	1.9	148.7	49	4.1	11.3	19.1	1.4	<1	13	35.4	<0.1
STD OREAS25A-4A	Standard	0.050	22.8	122	0.38	150	0.971	9.05	0.138	0.49	2.0	153.9	48	4.1	11.5	20.9	1.4	1	13	38.4	<0.1
STD OREAS25A-4A	Standard	0.051	21.2	116	0.38	153	0.971	9.10	0.140	0.51	2.0	150.9	46	4.0	10.9	20.5	1.5	<1	13	38.6	<0.1
STD OREAS25A-4A	Standard	0.049	19.6	115	0.36	147	0.947	8.78	0.140	0.49	1.9	147.0	45	4.1	10.0	19.6	1.4	<1	13	37.9	<0.1
STD OREAS25A-4A	Standard	0.050	24.6	123	0.38	153	0.996	9.34	0.145	0.49	2.0	151.2	52	4.3	11.3	20.6	1.5	1	14	39.9	<0.1
STD OREAS45E	Standard	0.033	10.7	907	0.17	247	0.535	6.79	0.064	0.32	0.9	97.2	23	1.3	7.9	6.0	0.5	<1	94	6.8	<0.1
STD OREAS45E	Standard	0.034	10.7	964	0.18	265	0.524	6.81	0.066	0.35	1.1	103.6	23	1.2	8.4	6.8	0.5	<1	93	6.2	<0.1
STD OREAS45E	Standard	0.038	12.3	1048	0.19	278	0.555	7.21	0.070	0.36	1.1	107.7	27	1.5	9.1	6.7	0.5	<1	99	7.0	<0.1
STD OREAS45E	Standard	0.035	11.4	1050	0.19	268	0.570	7.17	0.069	0.35	1.1	98.4	24	1.3	8.6	6.6	0.5	1	99	6.6	<0.1
STD OREAS45E	Standard	0.034	11.0	898	0.18	251	0.534	6.98	0.066	0.33	1.0	97.6	23	1.3	8.3	6.3	0.5	<1	93	6.8	<0.1
STD OREAS45E	Standard	0.036	12.3	949	0.18	257	0.601	7.25	0.069	0.35	1.1	97.3	26	1.6	8.8	6.6	0.5	1	102	6.3	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

QUALITY CONTROL REPORT SMI14000535.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
DUP 1428085	QC	28.0	1.6	0.06	0.006	2	1.8	<0.5
1428123	Drill Core	0.6	1.6	<0.05	0.006	<1	0.5	<0.5
DUP 1428123	QC	0.8	1.6	<0.05	0.010	<1	<0.5	<0.5
1428161	Drill Core	30.2	0.9	<0.05	0.135	<1	1.1	<0.5
DUP 1428161	QC	30.5	1.1	<0.05	0.153	<1	1.3	<0.5
Reference Materials								
STD OREAS25A-4A	Standard	58.0	4.5	<0.05	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	61.8	4.0	0.09	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	65.0	4.2	0.05	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	59.9	4.2	0.08	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	57.0	4.1	0.09	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	62.3	4.5	0.12	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	19.9	2.8	0.12	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	21.8	2.9	0.11	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	24.4	3.2	0.13	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	22.2	3.1	0.14	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	21.6	2.8	0.13	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	22.6	2.9	0.09	<0.005	4	<0.5	<0.5
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXD108 Expected								
STD OXN117 Expected								

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

QUALITY CONTROL REPORT SMI14000535.1

		WGHT Wgt kg 0.01	FA430 Au ppm 0.005	MA200 Mo ppm 0.1	MA200 Cu ppm 0.1	MA200 Pb ppm 0.1	MA200 Zn ppm 1	MA200 Ag ppm 0.1	MA200 Ni ppm 0.1	MA200 Co ppm 0.2	MA200 Mn ppm 1	MA200 Fe % 0.01	MA200 As ppm 1	MA200 U ppm 0.1	MA200 Th ppm 0.1	MA200 Sr ppm 1	MA200 Cd ppm 0.1	MA200 Sb ppm 0.1	MA200 Bi ppm 0.1	MA200 V ppm 1	MA200 Ca % 0.01
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		0.009																		
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	0.1	<1	<0.1	0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.2	1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01
BLK	Blank			<0.1	0.3	0.4	2	<0.1	<0.1	<0.2	1	<0.01	3	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.5	0.1	<1	<0.1	<0.1	<0.2	1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01
Prep Wash																					
G1-SMI	Prep Blank		<0.005	0.3	3.7	22.1	56	<0.1	3.0	5.1	809	2.48	<1	2.9	8.7	741	0.1	0.1	0.2	49	2.49
G1-SMI	Prep Blank		<0.005	0.3	4.3	23.1	58	<0.1	3.0	5.6	843	2.57	1	2.6	8.7	775	0.1	<0.1	0.2	50	2.55

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

QUALITY CONTROL REPORT SMI14000535.1

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.5	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
Prep Wash																					
G1-SMI	Prep Blank	0.078	24.2	9	0.55	987	0.268	7.55	2.822	2.75	0.2	11.2	53	1.6	14.9	24.5	1.5	4	5	37.7	<0.1
G1-SMI	Prep Blank	0.076	24.2	12	0.58	1041	0.271	7.76	2.951	2.86	0.1	11.9	53	1.8	15.0	25.9	1.5	3	5	37.1	<0.1

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 05, 2014

QUALITY CONTROL REPORT SMI14000535.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
STD OXI121 Expected								
STD OREAS25A-4A		61	4.53					0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	0.2	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
Prep Wash								
G1-SMI	Prep Blank	106.7	0.6	0.14	<0.005	<1	<0.5	1.1
G1-SMI	Prep Blank	109.3	0.7	<0.05	<0.005	<1	<0.5	1.0

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Bureau Veritas Commodities Canada Ltd.
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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Farshad Shirvani
Receiving Lab: Canada-Whitehorse
Received: August 14, 2014
Report Date: August 30, 2014
Page: 1 of 4

CERTIFICATE OF ANALYSIS WHI14000117.1

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 80

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	80	Crush, split and pulverize 500g rock to 200 mesh			WHI
FA430	80	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Terracad Geoscience Services Ltd.
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Erik Ostensoe
Krystle Milligan
Teresa Gough

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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All results are considered the confidential property of the client. Acme 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.

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

CERTIFICATE OF ANALYSIS WHI14000117.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428193	Drill Core	4.45	0.070	<0.1	1861.4	2.7	62	0.4	40.9	35.4	931	7.18	7	0.5	0.7	386	<0.1	0.4	<0.1	310	6.30
1428194	Drill Core	3.84	0.035	0.2	1577.6	2.5	64	0.3	33.2	33.3	856	5.81	6	0.4	0.6	235	<0.1	0.4	<0.1	224	6.99
1428195	Drill Core	3.33	0.033	<0.1	1282.1	2.2	50	0.3	20.0	25.5	657	4.11	4	0.3	0.6	294	<0.1	0.3	<0.1	157	8.26
1428196	Drill Core	3.22	0.112	<0.1	3178.0	4.3	73	1.0	45.7	45.9	865	6.58	3	0.5	0.6	314	<0.1	0.5	<0.1	229	5.32
1428197	Drill Core	4.00	0.111	0.2	6395.4	6.4	68	1.5	95.1	80.4	1002	7.79	4	0.6	0.7	843	<0.1	1.8	<0.1	348	7.48
1428198	Drill Core	3.73	0.239	<0.1	7388.9	7.5	68	2.1	98.5	70.9	884	10.23	10	0.6	0.8	360	0.2	0.6	<0.1	403	6.34
1428199	Drill Core	2.55	0.160	0.2	6024.8	5.4	66	1.4	67.9	57.1	1107	9.63	5	0.7	0.8	1013	0.1	2.1	<0.1	379	9.05
1428200	Drill Core	2.37	0.096	<0.1	4687.2	4.0	62	1.3	54.5	44.9	988	9.18	5	0.6	0.8	809	0.1	1.5	<0.1	394	8.17
1428201	Drill Core	3.76	0.402	0.3	2500.5	3.6	63	0.8	78.9	46.0	951	7.86	7	0.7	0.9	615	<0.1	1.2	<0.1	348	7.13
1428202	Drill Core	4.37	0.155	<0.1	4802.6	19.4	90	1.6	54.3	94.0	1237	11.61	39	0.6	0.8	816	0.3	3.9	0.1	389	7.14
1428203	Drill Core	3.67	0.025	<0.1	1318.2	4.6	73	0.3	44.6	35.6	1051	11.84	5	0.7	1.2	652	<0.1	2.4	<0.1	491	6.11
1428204	Drill Core	5.43	0.124	<0.1	6913.7	15.1	132	1.7	103.4	80.9	1287	27.37	14	0.4	0.7	579	1.1	2.7	<0.1	713	5.18
1428205	Drill Core	4.04	0.137	<0.1	7029.9	21.4	89	1.5	64.2	116.9	1440	12.43	12	0.5	0.6	922	0.3	4.4	0.2	345	8.29
1428206	Drill Core	5.34	0.141	<0.1	9190.4	23.6	125	2.1	81.6	123.5	1631	14.06	16	0.4	0.5	772	0.9	3.6	0.1	445	8.96
1428207	Drill Core	5.00	0.072	0.1	2865.4	4.9	67	0.7	49.5	48.2	1333	8.65	4	0.7	0.7	845	<0.1	2.8	<0.1	366	9.26
1428208	Drill Core	2.90	0.670	0.4	9383.9	5.5	148	1.5	291.6	151.5	1608	11.53	1	0.6	0.8	502	0.1	1.8	0.1	375	7.88
1428209	Drill Core	3.75	0.163	0.1	2210.2	3.0	65	0.4	144.2	88.3	1078	8.27	3	0.9	0.7	324	<0.1	0.7	<0.1	407	6.17
1428210	Drill Core	4.28	0.246	0.3	1890.2	6.1	71	0.6	97.3	103.9	1313	8.74	7	0.7	0.8	372	0.1	1.3	<0.1	380	7.55
1428211	Drill Core	4.33	0.320	0.3	3899.8	10.6	116	0.9	89.8	91.0	1269	11.21	6	0.7	0.8	463	0.6	2.3	<0.1	379	7.58
1428212	Drill Core	3.13	0.513	<0.1	8264.8	16.1	188	2.1	384.8	167.8	1401	12.95	5	0.3	0.6	228	1.0	1.1	0.2	485	7.36
1428213	Drill Core	4.47	0.137	<0.1	1578.6	3.8	71	0.5	85.8	82.5	1534	10.10	4	0.6	0.9	444	<0.1	1.5	<0.1	389	5.82
1428214	Drill Core	5.15	0.094	0.1	2268.2	2.4	36	0.3	53.2	62.6	1143	8.82	5	0.7	1.1	416	<0.1	1.4	<0.1	347	6.97
1428215	Drill Core	3.73	0.079	0.2	1359.7	2.4	41	0.1	61.4	43.6	1162	12.96	4	0.5	1.6	426	<0.1	1.6	<0.1	707	7.11
1428216	Drill Core	4.38	0.077	0.1	1482.7	2.3	36	0.2	54.5	37.2	1055	10.24	3	0.6	1.1	435	<0.1	1.6	<0.1	565	7.22
1428217	Drill Core	4.03	0.120	0.2	1992.5	1.8	38	0.2	54.3	45.5	1249	9.28	2	0.8	2.6	576	<0.1	2.1	<0.1	378	7.58
1428218	Drill Core	4.38	0.102	<0.1	1110.2	1.7	40	0.1	57.6	50.9	1266	9.90	2	0.4	0.7	365	<0.1	1.1	<0.1	424	7.22
1428219	Drill Core	2.33	0.033	<0.1	372.8	1.1	40	<0.1	55.9	41.8	1274	8.65	2	0.3	0.6	291	<0.1	0.8	<0.1	348	6.71
1428220	Drill Core	4.40	0.223	<0.1	1619.7	2.3	36	0.2	53.3	107.1	1214	9.75	<1	0.5	0.7	542	<0.1	1.5	<0.1	359	6.54
1428221	Drill Core	3.42	0.122	<0.1	1183.0	2.2	35	0.2	47.6	84.5	1112	9.37	1	0.5	0.7	358	<0.1	1.2	<0.1	369	6.21
1428222	Drill Core	4.44	0.171	<0.1	2646.3	1.8	29	0.3	57.9	75.6	1052	9.73	<1	0.5	0.7	578	<0.1	2.3	<0.1	448	6.42

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

CERTIFICATE OF ANALYSIS WHI14000117.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428193	Drill Core	0.074	6.6	39	2.61	145	0.438	9.17	3.370	0.48	0.2	23.2	14	0.8	15.0	1.4	<0.1	<1	24	16.4	0.3
1428194	Drill Core	0.088	5.7	26	2.11	37	0.397	9.70	3.985	0.12	0.2	24.8	12	0.6	13.4	1.3	<0.1	<1	18	18.0	0.3
1428195	Drill Core	0.102	6.8	8	1.25	74	0.343	10.41	4.181	0.29	0.2	24.9	13	0.4	12.1	1.2	<0.1	1	11	16.3	0.2
1428196	Drill Core	0.103	4.4	17	2.13	82	0.443	9.18	4.159	0.30	0.3	25.8	10	0.8	13.7	1.4	<0.1	<1	17	19.3	0.5
1428197	Drill Core	0.138	7.0	18	2.58	109	0.457	9.52	2.818	0.36	0.3	22.5	15	1.6	15.6	1.1	<0.1	<1	22	14.2	1.0
1428198	Drill Core	0.126	4.4	33	2.85	106	0.364	8.33	2.877	0.39	0.4	21.7	11	1.7	12.7	1.0	<0.1	1	21	14.7	1.2
1428199	Drill Core	0.106	7.6	28	2.66	62	0.355	9.13	1.307	0.13	0.3	21.2	14	1.5	13.8	1.1	<0.1	1	19	14.9	0.8
1428200	Drill Core	0.116	7.3	33	2.73	79	0.396	9.15	2.519	0.24	0.3	21.6	15	1.0	14.1	1.2	<0.1	<1	21	15.1	0.6
1428201	Drill Core	0.108	8.8	34	2.99	99	0.410	8.88	3.046	0.33	0.3	26.2	16	1.0	15.3	1.2	<0.1	<1	24	13.1	0.5
1428202	Drill Core	0.104	7.3	83	3.22	43	0.385	7.87	1.831	0.14	0.7	20.2	14	0.6	12.0	1.1	<0.1	<1	26	13.1	1.3
1428203	Drill Core	0.126	6.6	12	3.01	62	0.366	8.12	3.109	0.22	0.3	23.4	13	0.6	11.6	1.5	<0.1	<1	21	13.6	0.3
1428204	Drill Core	0.098	3.2	7	2.93	22	0.237	5.87	1.352	0.09	1.0	17.2	7	0.7	7.7	0.8	<0.1	<1	15	11.2	1.0
1428205	Drill Core	0.101	14.5	40	3.18	31	0.319	7.72	1.548	0.16	0.4	15.3	22	0.8	9.8	0.6	<0.1	<1	21	11.3	1.3
1428206	Drill Core	0.114	3.9	58	3.06	54	0.348	7.38	1.274	0.18	0.3	14.9	9	0.8	10.4	0.6	<0.1	<1	22	15.7	1.3
1428207	Drill Core	0.099	6.2	63	3.04	52	0.443	8.24	1.727	0.24	0.3	16.5	14	0.8	11.6	0.7	<0.1	<1	27	17.0	0.4
1428208	Drill Core	0.139	3.2	121	3.30	147	0.380	6.88	0.557	1.60	0.3	13.5	10	0.8	11.8	0.9	<0.1	1	25	32.0	1.6
1428209	Drill Core	0.101	3.5	152	3.79	291	0.424	7.73	2.942	0.81	0.3	18.3	10	1.2	12.5	0.9	<0.1	<1	30	22.7	0.8
1428210	Drill Core	0.080	4.4	183	4.30	56	0.418	7.43	2.541	0.29	0.6	19.9	11	1.4	11.3	0.9	<0.1	<1	38	26.4	0.9
1428211	Drill Core	0.121	6.3	117	3.45	127	0.407	6.86	1.890	0.38	0.2	28.9	14	0.9	12.6	1.0	<0.1	<1	30	18.3	0.9
1428212	Drill Core	0.251	3.7	144	5.72	52	0.328	4.75	1.360	0.20	0.3	13.7	9	1.0	9.9	0.5	<0.1	<1	37	14.7	1.7
1428213	Drill Core	0.110	6.8	119	4.27	148	0.464	7.84	2.722	0.42	0.5	21.9	14	0.8	13.5	0.9	<0.1	1	34	22.2	0.6
1428214	Drill Core	0.098	11.9	121	3.89	97	0.451	7.93	2.911	0.36	0.3	23.1	20	0.6	13.5	1.0	<0.1	<1	34	16.9	0.7
1428215	Drill Core	0.300	4.9	156	4.30	317	0.446	7.15	1.789	0.71	0.3	19.8	13	1.1	14.1	1.0	<0.1	<1	29	17.3	0.4
1428216	Drill Core	0.164	10.1	157	4.88	105	0.485	8.40	2.977	0.43	0.3	22.1	19	1.2	14.2	1.2	<0.1	<1	37	22.2	0.3
1428217	Drill Core	0.473	18.5	126	3.96	89	0.495	7.85	2.750	0.32	0.5	21.3	37	0.9	20.8	1.1	<0.1	<1	34	20.8	0.4
1428218	Drill Core	0.079	6.2	135	4.07	301	0.378	7.82	1.868	0.50	0.5	19.7	13	0.9	11.4	0.7	<0.1	1	34	22.3	0.4
1428219	Drill Core	0.067	3.9	145	4.31	158	0.387	7.50	2.702	0.41	0.2	19.8	10	0.6	12.3	0.9	<0.1	<1	38	17.1	0.2
1428220	Drill Core	0.081	3.9	101	3.83	144	0.372	8.00	2.789	0.43	0.3	23.7	10	0.9	11.4	0.9	<0.1	<1	31	18.1	0.8
1428221	Drill Core	0.076	3.3	121	4.06	74	0.386	7.91	3.105	0.29	0.2	22.2	10	0.9	12.7	1.1	<0.1	<1	33	20.0	0.7
1428222	Drill Core	0.087	5.1	103	3.94	73	0.367	7.32	2.563	0.31	0.2	21.7	12	1.2	11.5	0.7	<0.1	<1	32	11.1	0.7

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

CERTIFICATE OF ANALYSIS WHI14000117.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428193	Drill Core	15.3	0.9	<0.05	<0.005	1	0.5	<0.5
1428194	Drill Core	1.3	1.1	<0.05	<0.005	2	<0.5	<0.5
1428195	Drill Core	6.1	0.7	<0.05	<0.005	<1	<0.5	<0.5
1428196	Drill Core	3.6	1.1	<0.05	<0.005	2	<0.5	<0.5
1428197	Drill Core	12.1	1.0	0.17	<0.005	5	<0.5	<0.5
1428198	Drill Core	14.4	0.7	0.10	<0.005	5	<0.5	<0.5
1428199	Drill Core	4.4	0.8	0.22	<0.005	5	<0.5	<0.5
1428200	Drill Core	8.1	0.8	0.13	<0.005	4	<0.5	<0.5
1428201	Drill Core	10.0	1.0	0.08	<0.005	2	0.6	<0.5
1428202	Drill Core	4.3	0.6	0.19	<0.005	4	<0.5	<0.5
1428203	Drill Core	7.4	0.8	0.12	<0.005	1	<0.5	<0.5
1428204	Drill Core	2.1	0.6	0.13	<0.005	6	<0.5	<0.5
1428205	Drill Core	4.2	0.5	0.23	<0.005	3	0.9	<0.5
1428206	Drill Core	4.2	0.5	0.10	<0.005	7	<0.5	<0.5
1428207	Drill Core	6.7	0.7	0.19	<0.005	1	<0.5	<0.5
1428208	Drill Core	47.1	0.5	0.17	0.010	6	<0.5	<0.5
1428209	Drill Core	23.8	0.6	0.08	<0.005	4	<0.5	<0.5
1428210	Drill Core	9.6	1.0	0.11	<0.005	3	<0.5	<0.5
1428211	Drill Core	11.5	0.6	0.10	<0.005	2	0.6	<0.5
1428212	Drill Core	4.1	0.5	0.07	0.007	8	0.8	<0.5
1428213	Drill Core	10.8	0.8	0.09	<0.005	2	<0.5	<0.5
1428214	Drill Core	9.9	0.8	<0.05	0.008	2	<0.5	<0.5
1428215	Drill Core	13.4	0.8	<0.05	<0.005	<1	<0.5	<0.5
1428216	Drill Core	10.5	0.8	<0.05	<0.005	<1	0.5	<0.5
1428217	Drill Core	8.9	0.8	0.09	0.007	<1	<0.5	<0.5
1428218	Drill Core	10.8	0.8	0.16	<0.005	<1	0.5	<0.5
1428219	Drill Core	9.2	0.6	0.14	<0.005	<1	<0.5	<0.5
1428220	Drill Core	10.5	0.8	0.10	<0.005	<1	<0.5	<0.5
1428221	Drill Core	5.9	0.8	0.09	<0.005	<1	0.5	<0.5
1428222	Drill Core	7.0	0.8	0.11	<0.005	2	0.7	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

CERTIFICATE OF ANALYSIS WHI14000117.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428223	Drill Core	3.59	0.031	<0.1	193.2	1.3	26	<0.1	42.1	30.5	798	7.19	<1	0.4	0.7	376	<0.1	1.0	<0.1	482	6.85
1428224	Drill Core	3.31	0.024	<0.1	402.5	1.1	34	<0.1	46.9	33.1	1006	8.31	<1	0.4	0.7	265	<0.1	0.5	<0.1	439	7.20
1428225	Drill Core	4.25	0.013	<0.1	104.8	0.7	31	<0.1	45.3	30.0	859	6.99	<1	0.4	0.6	283	<0.1	0.1	<0.1	425	7.43
1428226	Drill Core	4.83	0.052	<0.1	868.1	1.8	46	0.2	52.8	48.3	903	10.20	3	0.3	0.5	272	0.2	0.6	<0.1	482	7.45
1428227	Drill Core	4.38	0.022	0.1	436.1	1.4	56	<0.1	51.4	35.7	834	9.11	1	0.4	0.6	315	<0.1	0.5	<0.1	558	7.45
1428228	Drill Core	3.10	<0.005	<0.1	47.7	0.8	58	<0.1	40.0	26.5	912	8.73	3	0.3	0.7	253	<0.1	0.5	<0.1	474	8.57
1428251	Drill Core	4.20	0.313	7.4	531.6	3.4	136	0.3	87.2	151.4	2663	14.25	19	0.5	0.7	180	0.1	0.4	0.8	294	4.65
1428252	Drill Core	4.70	0.194	2.1	156.4	3.0	62	0.2	57.3	45.3	1560	9.75	<1	0.9	0.8	339	0.1	0.3	<0.1	260	4.61
1428253	Drill Core	4.48	0.156	0.8	26.4	1.0	49	<0.1	44.0	28.4	2084	8.08	2	0.8	0.9	239	<0.1	0.2	<0.1	236	5.89
1428254	Drill Core	4.26	0.036	0.5	65.0	0.7	42	<0.1	60.5	35.2	2665	10.07	3	0.8	0.9	160	<0.1	0.3	<0.1	259	5.47
1428255	Drill Core	4.37	0.115	0.5	317.1	1.3	56	0.1	56.7	38.3	2240	9.10	6	0.7	0.9	195	<0.1	0.2	<0.1	270	5.53
1428256	Drill Core	3.98	0.019	0.8	158.6	2.8	154	0.1	60.8	49.5	2131	10.60	8	0.7	1.1	199	0.3	0.3	<0.1	291	5.31
1428257	Drill Core	4.00	0.025	1.3	335.0	4.5	91	0.3	70.7	47.0	2073	9.90	3	0.9	1.1	295	0.2	0.3	<0.1	309	5.09
1428258	Drill Core	4.30	0.019	1.1	462.4	4.7	79	0.3	79.4	78.7	1591	9.72	8	1.0	1.8	306	0.2	0.5	<0.1	311	4.91
1428259	Drill Core	4.21	0.066	17.0	1041.9	5.6	119	0.6	42.5	71.1	2134	9.16	5	1.6	1.3	324	0.1	0.3	<0.1	232	3.97
1428260	Drill Core	4.93	0.036	28.9	712.7	5.7	111	0.5	45.7	48.4	1704	9.40	8	1.3	1.2	276	0.3	0.4	<0.1	265	5.02
1428261	Drill Core	6.76	0.071	1.6	311.8	2.0	71	0.5	47.0	46.0	1695	8.59	1	0.9	1.0	274	<0.1	0.2	<0.1	267	5.92
1428262	Drill Core	5.12	0.015	11.7	469.9	5.4	57	0.3	36.9	90.9	2592	9.34	6	1.8	1.0	193	0.2	0.7	<0.1	245	4.90
1428263	Drill Core	5.40	0.011	3.5	171.9	2.9	43	0.1	31.4	49.4	2448	10.17	5	1.4	1.1	282	<0.1	0.6	<0.1	230	4.50
1428264	Drill Core	5.26	0.016	1.7	554.3	1.8	44	0.1	34.3	42.7	1898	10.31	1	1.2	1.3	311	<0.1	0.4	<0.1	237	4.82
1428265	Drill Core	3.89	0.019	2.5	2431.1	4.6	218	1.2	35.5	99.2	2565	15.38	7	1.5	1.0	405	0.7	1.8	<0.1	256	5.99
1428266	Drill Core	4.52	0.007	16.9	476.6	7.4	92	0.4	35.8	97.5	2152	14.48	6	0.8	0.6	271	0.2	0.5	<0.1	283	5.27
1428267	Drill Core	4.68	0.007	5.5	178.3	4.1	40	0.2	42.9	113.2	1785	15.31	5	0.9	0.9	243	<0.1	0.6	<0.1	264	5.07
1428268	Drill Core	3.22	0.027	4.1	708.1	22.1	178	0.5	33.7	80.6	2849	11.66	7	1.1	0.7	314	0.3	0.8	<0.1	251	5.29
1428269	Drill Core	3.78	0.041	4.9	928.9	11.4	298	1.2	45.7	129.3	2631	11.90	6	1.0	0.8	334	0.7	1.2	<0.1	232	4.96
1428270	Drill Core	5.39	0.007	5.1	89.1	8.1	75	0.2	41.9	77.9	1742	9.06	4	1.1	1.1	380	0.2	0.5	<0.1	262	4.09
1428271	Drill Core	5.34	0.030	30.1	131.5	5.6	224	0.1	41.6	124.1	1565	9.80	5	1.6	1.0	345	0.8	1.2	<0.1	242	4.69
1428272	Drill Core	3.62	0.010	3.0	78.8	2.6	43	0.1	29.1	116.3	1263	9.55	4	1.2	1.1	347	0.1	0.4	<0.1	281	4.86
1428273	Drill Core	6.57	0.031	13.4	336.1	3.2	44	0.2	28.0	71.7	1171	8.03	4	1.7	1.2	322	<0.1	0.3	<0.1	246	4.50
1428274	Drill Core	3.59	0.059	28.6	909.3	5.7	41	0.5	23.2	59.3	1029	6.85	6	1.8	1.0	276	<0.1	0.4	<0.1	220	5.94

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

CERTIFICATE OF ANALYSIS WHI14000117.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428223	Drill Core	0.088	3.3	124	4.73	73	0.399	7.90	2.980	0.37	0.1	21.5	10	1.4	11.4	0.7	<0.1	<1	33	13.0	<0.1
1428224	Drill Core	0.064	3.0	155	4.74	164	0.406	7.76	2.601	0.51	0.2	18.7	8	1.0	10.5	0.5	<0.1	<1	38	16.6	0.1
1428225	Drill Core	0.064	2.8	147	5.21	137	0.384	7.48	2.473	0.53	<0.1	17.3	8	1.0	11.2	0.6	<0.1	<1	38	15.3	<0.1
1428226	Drill Core	0.198	2.7	116	6.11	73	0.278	5.94	1.609	0.37	0.1	16.8	8	1.5	8.9	0.5	<0.1	<1	28	8.8	0.2
1428227	Drill Core	0.180	3.2	130	5.38	108	0.338	7.44	2.448	0.54	<0.1	18.2	8	1.3	10.4	0.5	<0.1	<1	31	9.7	<0.1
1428228	Drill Core	0.351	4.1	78	5.73	57	0.288	5.81	1.829	0.29	0.1	16.0	10	1.0	9.2	0.6	<0.1	<1	28	10.3	<0.1
1428251	Drill Core	0.066	11.0	182	3.99	80	0.431	7.22	1.586	1.16	0.6	19.1	19	0.7	11.2	1.1	<0.1	<1	38	18.2	3.7
1428252	Drill Core	0.061	9.0	199	4.10	598	0.438	8.20	2.439	1.41	0.2	24.4	16	0.9	10.6	1.1	<0.1	<1	32	19.4	0.4
1428253	Drill Core	0.095	7.2	122	3.50	529	0.436	8.52	2.684	1.20	0.6	25.0	14	0.5	13.7	1.3	<0.1	<1	28	15.7	<0.1
1428254	Drill Core	0.073	5.5	209	4.36	404	0.460	7.88	1.917	1.10	0.5	22.8	11	0.7	12.3	1.2	<0.1	<1	34	17.5	<0.1
1428255	Drill Core	0.087	6.1	155	3.98	230	0.459	8.11	2.675	0.75	0.5	21.9	11	0.7	12.1	0.9	<0.1	<1	34	15.4	<0.1
1428256	Drill Core	0.115	10.9	171	4.43	450	0.445	7.70	1.616	1.40	0.6	20.7	17	0.9	11.6	1.1	<0.1	1	37	18.1	0.3
1428257	Drill Core	0.136	7.3	176	4.30	1093	0.492	8.41	1.700	1.85	0.5	23.5	14	0.5	12.0	1.2	<0.1	1	32	19.7	0.3
1428258	Drill Core	0.271	15.1	140	4.04	724	0.462	7.99	2.197	1.56	0.4	27.2	28	0.6	16.3	1.3	<0.1	1	30	19.3	0.8
1428259	Drill Core	0.125	14.0	67	2.97	388	0.409	8.68	2.515	1.66	0.6	33.6	23	0.5	12.5	1.1	<0.1	<1	22	17.2	0.9
1428260	Drill Core	0.110	10.7	129	3.88	553	0.411	8.19	2.354	1.26	0.3	22.2	19	0.8	11.8	1.0	<0.1	<1	31	15.7	0.4
1428261	Drill Core	0.105	8.8	141	3.84	583	0.423	8.22	1.978	1.34	0.4	24.3	16	0.6	12.9	1.1	<0.1	<1	32	16.1	0.2
1428262	Drill Core	0.093	17.4	95	2.74	549	0.403	7.41	1.408	1.58	0.6	25.5	24	0.8	12.1	1.0	<0.1	<1	24	13.1	0.7
1428263	Drill Core	0.075	12.3	144	3.61	1254	0.422	7.48	1.165	2.02	0.5	30.9	19	0.9	11.7	1.1	<0.1	<1	28	11.3	0.3
1428264	Drill Core	0.104	16.8	138	3.35	1203	0.416	7.99	1.622	1.63	0.3	29.3	25	0.7	12.1	1.3	<0.1	<1	26	14.1	0.3
1428265	Drill Core	0.060	29.1	176	2.84	340	0.354	7.53	0.563	1.64	0.4	20.0	38	0.8	11.2	0.9	<0.1	<1	22	17.6	1.0
1428266	Drill Core	0.044	10.9	121	3.41	761	0.351	7.49	1.432	1.49	0.2	19.6	15	1.5	10.0	0.8	<0.1	<1	28	18.9	0.7
1428267	Drill Core	0.047	5.9	202	3.88	410	0.393	6.80	1.563	1.03	0.2	21.0	10	0.9	10.4	0.9	<0.1	<1	36	18.0	0.9
1428268	Drill Core	0.046	9.2	106	2.83	358	0.352	7.74	0.822	2.56	0.3	17.5	14	0.8	10.7	0.8	<0.1	<1	24	16.5	0.8
1428269	Drill Core	0.068	17.0	78	2.74	246	0.333	8.19	1.035	2.26	0.4	18.0	23	0.7	8.5	0.8	<0.1	<1	24	18.3	1.2
1428270	Drill Core	0.092	10.4	99	3.33	703	0.483	8.56	2.818	1.34	0.5	25.6	18	0.8	12.7	1.3	<0.1	<1	27	15.6	0.6
1428271	Drill Core	0.086	45.7	100	3.35	380	0.443	8.24	2.679	1.13	0.7	24.5	55	1.3	14.7	1.1	<0.1	<1	26	13.8	1.9
1428272	Drill Core	0.085	18.2	68	3.26	389	0.468	8.68	2.869	1.09	0.3	30.8	25	0.8	14.0	1.1	<0.1	<1	29	13.8	0.9
1428273	Drill Core	0.102	15.1	75	3.07	581	0.457	8.43	3.031	1.31	0.5	27.1	23	0.9	13.3	1.3	<0.1	<1	26	14.2	0.7
1428274	Drill Core	0.120	7.7	49	2.28	779	0.469	8.73	2.359	1.53	0.5	22.3	15	0.9	14.9	1.4	<0.1	<1	20	13.2	0.9

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

CERTIFICATE OF ANALYSIS WHI14000117.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428223	Drill Core	9.3	0.9	0.16	<0.005	<1	<0.5	<0.5
1428224	Drill Core	10.9	0.8	0.07	<0.005	<1	0.8	<0.5
1428225	Drill Core	16.2	0.7	0.08	<0.005	<1	<0.5	<0.5
1428226	Drill Core	7.8	0.6	0.18	<0.005	1	0.9	<0.5
1428227	Drill Core	14.6	0.7	<0.05	<0.005	<1	<0.5	<0.5
1428228	Drill Core	8.3	0.6	<0.05	<0.005	<1	<0.5	<0.5
1428251	Drill Core	25.8	0.8	0.16	0.026	4	1.9	<0.5
1428252	Drill Core	23.7	0.9	0.08	0.009	<1	0.5	<0.5
1428253	Drill Core	21.6	0.9	0.11	0.022	<1	0.9	<0.5
1428254	Drill Core	20.8	0.9	0.13	<0.005	<1	<0.5	<0.5
1428255	Drill Core	17.3	0.8	0.18	<0.005	<1	<0.5	<0.5
1428256	Drill Core	35.2	0.8	0.13	<0.005	<1	0.7	<0.5
1428257	Drill Core	41.6	0.9	0.21	<0.005	<1	0.6	<0.5
1428258	Drill Core	42.2	0.9	0.24	<0.005	3	0.8	<0.5
1428259	Drill Core	33.7	1.1	0.12	0.038	1	0.7	<0.5
1428260	Drill Core	27.4	0.9	0.26	0.066	<1	0.5	<0.5
1428261	Drill Core	31.8	0.9	0.11	0.012	2	<0.5	<0.5
1428262	Drill Core	38.1	0.9	0.05	0.045	1	<0.5	<0.5
1428263	Drill Core	46.8	1.1	0.15	<0.005	2	<0.5	<0.5
1428264	Drill Core	47.0	0.9	0.12	<0.005	2	<0.5	<0.5
1428265	Drill Core	42.5	0.7	0.24	<0.005	<1	0.5	<0.5
1428266	Drill Core	41.8	0.7	0.09	0.029	<1	<0.5	<0.5
1428267	Drill Core	28.7	0.8	0.13	0.012	2	<0.5	<0.5
1428268	Drill Core	59.4	0.7	0.05	0.019	1	<0.5	<0.5
1428269	Drill Core	60.6	0.6	0.12	0.022	<1	<0.5	<0.5
1428270	Drill Core	24.3	0.9	0.11	0.015	<1	<0.5	<0.5
1428271	Drill Core	28.3	0.9	0.11	0.138	1	0.7	<0.5
1428272	Drill Core	30.2	1.1	0.08	0.009	1	<0.5	<0.5
1428273	Drill Core	40.7	0.9	<0.05	0.089	1	<0.5	<0.5
1428274	Drill Core	40.6	0.8	<0.05	0.212	<1	0.6	<0.5

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

CERTIFICATE OF ANALYSIS WHI14000117.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428275	Drill Core	3.76	0.108	20.7	880.5	2.9	47	0.4	34.7	79.0	884	7.03	4	1.4	1.1	308	<0.1	0.3	<0.1	248	6.17
1428276	Drill Core	3.18	0.043	73.3	341.2	2.9	45	0.4	67.3	63.2	1085	6.74	3	0.8	1.1	252	<0.1	0.3	<0.1	242	8.73
1428277	Drill Core	4.76	0.018	2.6	380.5	2.5	51	0.2	75.3	56.6	1275	8.75	2	0.7	0.9	313	0.1	0.4	<0.1	277	6.72
1428278	Drill Core	5.29	0.025	0.2	170.7	1.4	44	0.1	52.7	38.9	1064	8.08	4	2.3	1.5	312	<0.1	0.3	<0.1	315	6.85
1428279	Drill Core	4.30	0.024	1.0	212.4	1.9	52	0.2	60.9	48.6	1410	8.96	3	1.1	2.3	276	<0.1	0.2	<0.1	262	6.55
1428280	Drill Core	4.37	0.021	3.2	718.6	1.8	55	0.2	45.2	47.3	2009	8.74	3	0.9	0.9	358	0.1	1.4	<0.1	241	5.46
1428281	Drill Core	3.76	0.023	1.4	247.6	1.7	48	<0.1	38.5	45.8	2162	9.16	2	1.1	1.0	386	<0.1	1.1	<0.1	282	5.06
1428282	Drill Core	4.37	0.768	13.3	578.5	9.0	41	1.8	27.9	103.4	1028	10.34	6	1.6	1.6	307	<0.1	0.6	<0.1	284	4.90
1428283	Drill Core	4.39	0.010	7.8	179.6	2.1	42	0.2	16.5	30.5	1036	9.82	2	1.4	1.4	236	0.1	0.7	<0.1	348	5.29
1428284	Drill Core	2.92	0.018	7.1	444.3	3.2	43	0.2	36.2	91.5	1209	11.38	4	1.4	1.5	314	<0.1	0.9	0.1	363	5.48
1428285	Drill Core	6.37	0.010	9.1	118.9	1.6	43	<0.1	27.6	34.9	1179	9.57	4	1.2	1.4	374	0.1	0.8	<0.1	366	5.63
1428286	Drill Core	6.26	0.024	6.4	132.4	2.0	42	<0.1	22.4	39.3	1182	10.06	4	1.3	1.5	353	<0.1	0.5	<0.1	366	4.89
1428287	Drill Core	4.09	0.016	4.2	125.8	2.8	57	0.1	20.9	38.6	1092	9.52	4	1.5	1.5	352	0.2	0.5	<0.1	351	5.31
1428288	Drill Core	4.94	0.030	4.7	443.6	1.7	45	0.1	23.6	35.3	1160	10.44	3	1.5	1.5	318	<0.1	0.4	<0.1	374	5.20
1428289	Drill Core	5.23	0.014	5.1	156.7	1.9	33	<0.1	19.8	26.9	695	9.40	1	1.3	1.6	370	<0.1	0.3	<0.1	367	5.80
1428290	Drill Core	5.42	0.037	1.1	310.8	1.4	47	<0.1	40.5	39.7	972	7.31	2	0.6	0.8	328	<0.1	0.1	<0.1	342	6.82
1428291	Drill Core	4.99	0.057	5.5	415.8	1.7	48	0.2	69.3	146.4	1135	8.50	3	0.5	0.6	371	<0.1	0.4	<0.1	343	6.58
1428292	Drill Core	4.43	0.021	0.3	241.8	1.1	45	<0.1	52.3	32.3	1101	6.86	1	0.3	0.7	272	<0.1	0.1	<0.1	311	7.00
1428293	Drill Core	5.22	0.043	0.3	301.2	1.3	36	0.1	63.7	39.6	925	7.40	2	0.4	1.0	216	<0.1	0.2	<0.1	303	7.15
1428294	Drill Core	5.20	0.019	7.8	201.2	1.5	35	<0.1	23.4	30.2	746	9.51	5	1.3	1.5	351	<0.1	0.5	<0.1	363	5.64

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Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428275	Drill Core	0.115	7.2	60	2.53	224	0.450	8.88	3.403	0.52	0.4	28.9	15	0.8	14.9	1.4	<0.1	1	22	14.5	0.7
1428276	Drill Core	0.096	7.6	173	2.85	254	0.473	7.76	2.368	0.75	0.5	29.7	16	0.6	13.9	1.4	<0.1	<1	29	10.0	0.5
1428277	Drill Core	0.086	7.5	215	4.08	427	0.499	7.56	1.823	1.14	0.7	25.4	14	0.8	13.1	1.5	<0.1	<1	33	13.9	0.3
1428278	Drill Core	0.165	8.8	120	4.17	276	0.485	8.27	1.780	1.16	0.2	19.6	19	0.7	14.5	1.1	<0.1	1	36	14.3	<0.1
1428279	Drill Core	0.252	17.3	152	4.20	401	0.445	8.12	1.672	1.31	1.0	24.4	28	1.0	16.8	1.4	<0.1	<1	27	15.6	0.2
1428280	Drill Core	0.068	3.8	174	3.88	434	0.439	7.94	2.514	0.98	0.8	22.6	8	0.8	11.6	1.0	<0.1	<1	30	11.9	0.2
1428281	Drill Core	0.063	6.7	150	4.11	746	0.499	8.19	1.925	1.55	0.6	24.5	12	0.9	12.7	1.0	<0.1	<1	36	13.9	0.2
1428282	Drill Core	0.107	9.3	71	3.20	167	0.433	8.43	3.547	0.59	1.3	35.9	16	1.0	13.4	1.3	<0.1	<1	30	13.4	0.7
1428283	Drill Core	0.105	5.6	79	3.58	146	0.445	7.52	2.748	0.56	0.4	29.6	12	0.7	12.7	1.1	<0.1	<1	36	13.1	0.1
1428284	Drill Core	0.110	5.3	75	3.60	166	0.448	7.83	2.677	0.49	1.2	28.4	13	0.8	13.1	1.2	<0.1	<1	33	15.0	0.7
1428285	Drill Core	0.108	6.3	87	3.86	197	0.465	7.92	3.018	0.57	0.4	29.6	15	0.5	14.0	1.1	<0.1	<1	37	13.9	0.2
1428286	Drill Core	0.116	6.5	78	3.73	434	0.447	7.56	2.821	0.88	0.5	28.3	14	0.6	13.1	1.0	<0.1	<1	37	13.6	0.2
1428287	Drill Core	0.109	7.8	77	3.66	316	0.458	7.51	2.906	0.64	0.5	28.2	17	0.6	15.0	1.1	<0.1	<1	37	13.4	0.2
1428288	Drill Core	0.117	6.1	77	3.80	310	0.481	7.80	3.009	0.62	0.5	29.4	15	0.5	13.8	1.2	<0.1	1	39	13.3	0.2
1428289	Drill Core	0.111	6.1	77	3.65	261	0.465	7.77	2.946	0.62	0.3	30.8	15	0.6	13.7	1.1	<0.1	<1	37	15.2	0.2
1428290	Drill Core	0.075	5.0	91	3.77	238	0.498	8.40	2.763	0.80	0.2	19.3	11	0.4	13.3	1.0	<0.1	<1	35	20.1	0.2
1428291	Drill Core	0.071	19.1	105	4.11	310	0.499	8.09	2.195	0.99	0.2	17.9	25	0.5	14.4	0.8	<0.1	<1	36	13.5	1.3
1428292	Drill Core	0.074	4.9	139	4.18	207	0.483	7.90	2.639	0.77	0.4	18.3	10	0.4	13.3	0.8	<0.1	<1	36	14.0	<0.1
1428293	Drill Core	0.079	7.7	167	4.23	168	0.447	7.75	2.590	0.72	0.2	17.6	15	0.6	12.5	1.0	<0.1	<1	36	13.4	0.2
1428294	Drill Core	0.109	7.3	81	3.66	296	0.448	7.76	3.124	0.80	0.4	27.0	16	0.6	13.4	1.1	<0.1	<1	38	15.6	0.2

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

CERTIFICATE OF ANALYSIS WHI14000117.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428275	Drill Core	18.3	0.9	0.06	0.332	<1	0.6	<0.5
1428276	Drill Core	23.7	0.9	0.08	0.751	<1	<0.5	<0.5
1428277	Drill Core	29.6	0.9	0.14	0.010	1	<0.5	<0.5
1428278	Drill Core	36.1	0.8	0.08	0.051	<1	<0.5	<0.5
1428279	Drill Core	31.2	0.9	0.08	0.023	<1	1.3	<0.5
1428280	Drill Core	26.3	0.8	0.05	0.031	2	<0.5	<0.5
1428281	Drill Core	34.7	0.7	0.15	<0.005	<1	<0.5	<0.5
1428282	Drill Core	18.4	1.1	0.10	0.029	<1	<0.5	<0.5
1428283	Drill Core	16.3	0.9	0.06	0.011	<1	1.1	<0.5
1428284	Drill Core	16.3	1.0	0.09	0.018	<1	0.7	<0.5
1428285	Drill Core	18.8	1.1	0.05	0.030	<1	1.2	<0.5
1428286	Drill Core	24.4	1.0	0.08	0.014	<1	1.0	<0.5
1428287	Drill Core	16.9	1.1	0.06	0.011	<1	1.4	<0.5
1428288	Drill Core	17.3	1.1	0.06	0.015	<1	1.7	<0.5
1428289	Drill Core	19.6	1.0	<0.05	<0.005	<1	1.3	<0.5
1428290	Drill Core	25.1	0.8	0.05	0.007	<1	1.5	<0.5
1428291	Drill Core	32.2	0.7	0.08	0.030	1	0.9	<0.5
1428292	Drill Core	23.6	0.8	<0.05	<0.005	<1	1.8	<0.5
1428293	Drill Core	22.9	0.7	<0.05	<0.005	<1	1.7	<0.5
1428294	Drill Core	25.5	1.0	0.07	0.006	<1	<0.5	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

QUALITY CONTROL REPORT WHI14000117.1

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
REP G1-WHI	QC			0.2	4.5	20.8	54	<0.1	2.6	5.0	814	2.35	2	2.8	8.5	732	<0.1	0.1	0.1	51	2.40
1428227	Drill Core	4.38	0.022	0.1	436.1	1.4	56	<0.1	51.4	35.7	834	9.11	1	0.4	0.6	315	<0.1	0.5	<0.1	558	7.45
REP 1428227	QC			<0.1	439.6	1.3	52	0.4	46.1	36.0	820	8.99	1	0.3	0.6	314	<0.1	0.5	<0.1	548	7.37
1428255	Drill Core	4.37	0.115	0.5	317.1	1.3	56	0.1	56.7	38.3	2240	9.10	6	0.7	0.9	195	<0.1	0.2	<0.1	270	5.53
REP 1428255	QC		0.086																		
1428276	Drill Core	3.18	0.043	73.3	341.2	2.9	45	0.4	67.3	63.2	1085	6.74	3	0.8	1.1	252	<0.1	0.3	<0.1	242	8.73
REP 1428276	QC		0.056																		
1428290	Drill Core	5.42	0.037	1.1	310.8	1.4	47	<0.1	40.5	39.7	972	7.31	2	0.6	0.8	328	<0.1	0.1	<0.1	342	6.82
REP 1428290	QC		0.039																		
Core Reject Duplicates																					
1428209	Drill Core	3.75	0.163	0.1	2210.2	3.0	65	0.4	144.2	88.3	1078	8.27	3	0.9	0.7	324	<0.1	0.7	<0.1	407	6.17
DUP 1428209	QC		0.196	<0.1	2316.1	2.8	61	0.5	149.9	90.6	1091	8.34	2	0.9	0.7	326	<0.1	0.6	<0.1	410	6.21
1428269	Drill Core	3.78	0.041	4.9	928.9	11.4	298	1.2	45.7	129.3	2631	11.90	6	1.0	0.8	334	0.7	1.2	<0.1	232	4.96
DUP 1428269	QC		0.020	4.6	1081.8	8.5	305	1.1	50.5	134.9	2701	12.21	8	0.9	0.7	351	0.8	1.1	<0.1	234	5.07
Reference Materials																					
STD OREAS25A-4A	Standard			2.3	38.7	25.9	50	<0.1	47.8	7.8	534	6.84	10	2.8	16.3	50	<0.1	0.7	0.4	173	0.33
STD OREAS25A-4A	Standard			2.2	32.6	24.9	49	<0.1	46.8	7.3	501	6.30	10	2.7	14.7	47	<0.1	0.5	0.4	154	0.27
STD OREAS25A-4A	Standard			2.6	37.3	27.1	47	0.1	51.4	8.7	560	6.93	11	3.0	15.9	48	0.1	0.5	0.4	177	0.30
STD OREAS45E	Standard			2.4	813.0	18.5	49	0.4	506.6	56.7	619	25.42	15	2.5	12.7	18	<0.1	1.0	0.3	354	0.08
STD OREAS45E	Standard			2.6	799.8	19.5	51	0.3	474.6	59.3	612	26.39	16	2.5	13.4	18	0.1	1.1	0.3	325	0.06
STD OREAS45E	Standard			2.4	808.7	19.6	49	0.4	499.7	63.7	600	25.32	17	2.4	13.3	18	<0.1	1.0	0.3	345	0.07
STD OXD108	Standard		0.402																		
STD OXD108	Standard		0.435																		
STD OXD108	Standard		0.414																		
STD OXI121	Standard		1.799																		
STD OXI121	Standard		1.826																		
STD OXI121	Standard		1.819																		
STD OXN117	Standard		7.486																		

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

QUALITY CONTROL REPORT WHI14000117.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
REP G1-WHI	QC	0.080	22.0	5	0.55	955	0.255	7.59	2.919	1.85	0.2	11.8	49	1.5	13.6	25.2	1.2	2	5	36.6	<0.1
1428227	Drill Core	0.180	3.2	130	5.38	108	0.338	7.44	2.448	0.54	<0.1	18.2	8	1.3	10.4	0.5	<0.1	<1	31	9.7	<0.1
REP 1428227	QC	0.179	3.0	126	5.33	100	0.320	7.31	2.404	0.52	<0.1	17.1	9	1.3	10.1	0.5	<0.1	<1	30	10.4	<0.1
1428255	Drill Core	0.087	6.1	155	3.98	230	0.459	8.11	2.675	0.75	0.5	21.9	11	0.7	12.1	0.9	<0.1	<1	34	15.4	<0.1
REP 1428255	QC																				
1428276	Drill Core	0.096	7.6	173	2.85	254	0.473	7.76	2.368	0.75	0.5	29.7	16	0.6	13.9	1.4	<0.1	<1	29	10.0	0.5
REP 1428276	QC																				
1428290	Drill Core	0.075	5.0	91	3.77	238	0.498	8.40	2.763	0.80	0.2	19.3	11	0.4	13.3	1.0	<0.1	<1	35	20.1	0.2
REP 1428290	QC																				
Core Reject Duplicates																					
1428209	Drill Core	0.101	3.5	152	3.79	291	0.424	7.73	2.942	0.81	0.3	18.3	10	1.2	12.5	0.9	<0.1	<1	30	22.7	0.8
DUP 1428209	QC	0.103	3.2	154	3.80	289	0.439	7.77	2.956	0.84	0.2	17.1	11	1.5	12.1	0.9	<0.1	<1	30	24.0	0.8
1428269	Drill Core	0.068	17.0	78	2.74	246	0.333	8.19	1.035	2.26	0.4	18.0	23	0.7	8.5	0.8	<0.1	<1	24	18.3	1.2
DUP 1428269	QC	0.068	16.5	82	2.80	232	0.353	8.40	1.013	2.48	0.4	18.5	23	0.8	9.1	0.7	<0.1	<1	25	19.0	1.2
Reference Materials																					
STD OREAS25A-4A	Standard	0.051	21.9	116	0.35	155	0.924	9.15	0.126	0.50	2.0	157.2	48	3.7	10.4	20.4	1.5	1	14	42.8	<0.1
STD OREAS25A-4A	Standard	0.046	20.0	113	0.31	146	0.891	8.81	0.116	0.46	1.5	145.8	46	3.8	9.8	19.5	1.5	1	12	35.2	<0.1
STD OREAS25A-4A	Standard	0.051	21.4	120	0.33	156	0.964	9.04	0.144	0.52	2.0	158.3	48	4.4	10.9	21.3	1.5	<1	14	40.0	<0.1
STD OREAS45E	Standard	0.035	10.3	959	0.17	253	0.551	7.05	0.058	0.34	1.1	122.6	23	1.0	7.8	6.0	0.5	<1	98	7.5	<0.1
STD OREAS45E	Standard	0.034	11.4	1024	0.16	266	0.543	7.15	0.054	0.35	1.1	96.4	25	1.5	8.2	6.7	0.5	<1	97	7.7	<0.1
STD OREAS45E	Standard	0.036	11.4	916	0.18	258	0.557	6.98	0.062	0.35	1.0	101.8	24	1.3	8.8	6.6	0.5	<1	96	7.1	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

QUALITY CONTROL REPORT WHI14000117.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Rb	Hf	In	Re	Se	Te	Tl
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
REP G1-WHI	QC	69.9	0.6	0.09	<0.005	<1	<0.5	1.1
1428227	Drill Core	14.6	0.7	<0.05	<0.005	<1	<0.5	<0.5
REP 1428227	QC	14.6	0.7	<0.05	<0.005	<1	1.1	<0.5
1428255	Drill Core	17.3	0.8	0.18	<0.005	<1	<0.5	<0.5
REP 1428255	QC							
1428276	Drill Core	23.7	0.9	0.08	0.751	<1	<0.5	<0.5
REP 1428276	QC							
1428290	Drill Core	25.1	0.8	0.05	0.007	<1	1.5	<0.5
REP 1428290	QC							
Core Reject Duplicates								
1428209	Drill Core	23.8	0.6	0.08	<0.005	4	<0.5	<0.5
DUP 1428209	QC	24.3	0.7	<0.05	<0.005	3	<0.5	<0.5
1428269	Drill Core	60.6	0.6	0.12	0.022	<1	<0.5	<0.5
DUP 1428269	QC	65.2	0.7	0.06	0.012	<1	<0.5	<0.5
Reference Materials								
STD OREAS25A-4A	Standard	61.2	4.3	0.09	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	54.5	4.0	0.11	<0.005	4	<0.5	<0.5
STD OREAS25A-4A	Standard	61.2	4.7	0.07	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	22.5	3.1	<0.05	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	22.4	3.1	<0.05	<0.005	5	<0.5	<0.5
STD OREAS45E	Standard	22.7	3.3	0.10	<0.005	3	<0.5	<0.5
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXN117	Standard							

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

QUALITY CONTROL REPORT WHI14000117.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OXN117	Standard		7.320																		
STD OXN117 Expected			7.679																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OXD108 Expected			0.414																		
STD OXI121 Expected			1.834																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	2.0	0.2	<1	<0.1	0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.5	0.2	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
G1-WHI	Prep Blank		<0.005	0.2	4.1	24.4	57	<0.1	3.1	4.6	817	2.46	1	2.9	8.9	766	<0.1	0.1	0.2	51	2.44
G1-WHI	Prep Blank		<0.005																		
G1-WHI	Prep Blank			<0.1	4.5	21.7	50	<0.1	3.4	4.7	813	2.39	2	2.8	9.3	754	<0.1	<0.1	0.1	52	2.46

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

QUALITY CONTROL REPORT WHI14000117.1

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OXN117	Standard																				
STD OXN117 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OXD108 Expected																					
STD OXI121 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank	0.071	25.0	4	0.56	1188	0.262	7.96	2.946	2.02	0.2	12.3	52	1.3	14.5	25.9	1.4	3	5	41.1	<0.1
G1-WHI	Prep Blank																				
G1-WHI	Prep Blank	0.077	23.8	5	0.56	956	0.263	7.56	2.913	1.95	0.1	12.1	54	1.7	14.0	25.9	1.4	3	5	40.5	<0.1

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: August 30, 2014

QUALITY CONTROL REPORT WHI14000117.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
STD OXN117	Standard							
STD OXN117 Expected								
STD OREAS25A-4A		61	4.53					0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
STD OXD108 Expected								
STD OXI121 Expected								
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	0.2	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.4	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.3	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank							
BLK	Blank							
Prep Wash								
G1-WHI	Prep Blank	85.2	0.8	<0.05	<0.005	<1	<0.5	1.3
G1-WHI	Prep Blank							
G1-WHI	Prep Blank	77.3	0.7	0.07	<0.005	<1	<0.5	1.0

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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Farshad Shirvani
Receiving Lab: Canada-Smithers
Received: August 18, 2014
Report Date: September 24, 2014
Page: 1 of 4

CERTIFICATE OF ANALYSIS SMI14000536.2

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 84

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	80	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	80	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA404	1	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : MA404-Cu included.

Invoice To: Terracad Geoscience Services Ltd.
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Email Distribution List

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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All results are considered the confidential property of the client. Acme 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.

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000536.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428291	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428292	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428293	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428294	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428295	Drill Core	5.53	0.022	4.0	207.9	1.5	28	<0.1	25.8	43.6	647	9.23	7	1.2	1.5	346	<0.1	0.5	<0.1	336	5.92
1428296	Drill Core	5.08	0.016	7.3	167.1	1.1	22	<0.1	21.1	20.6	580	8.48	3	1.3	1.4	303	<0.1	0.3	<0.1	340	6.11
1428297	Drill Core	5.44	0.018	4.4	104.3	1.1	29	<0.1	43.9	35.2	767	7.70	3	1.1	1.4	253	<0.1	0.3	<0.1	296	6.50
1428298	Drill Core	5.56	0.008	0.2	51.5	1.2	45	<0.1	90.3	38.5	1220	6.71	1	0.3	1.0	341	<0.1	<0.1	<0.1	268	7.16
1428299	Drill Core	2.91	0.007	0.2	61.3	1.3	46	<0.1	88.4	36.3	1135	6.81	<1	0.3	0.8	316	<0.1	<0.1	<0.1	264	6.78
1428300	Drill Core	2.57	0.007	0.3	66.8	1.2	43	<0.1	95.8	35.8	1138	6.70	2	0.3	0.9	307	<0.1	0.1	<0.1	260	7.14
1428301	Drill Core	5.34	0.019	1.0	175.7	1.7	39	<0.1	91.2	38.1	1129	7.25	<1	0.4	0.9	285	<0.1	0.1	<0.1	265	7.09
1428302	Drill Core	5.56	0.028	0.2	169.4	1.3	47	<0.1	80.9	37.0	1202	7.26	2	0.4	0.9	380	<0.1	0.2	<0.1	280	7.24
1428303	Drill Core	5.74	0.016	0.1	147.3	1.3	43	<0.1	81.5	36.5	1086	7.00	3	0.5	1.0	341	<0.1	0.2	<0.1	286	6.77
1428304	Drill Core	4.51	0.293	0.2	689.3	0.9	42	0.1	18.4	32.2	938	6.56	2	1.3	1.2	352	<0.1	0.3	<0.1	188	4.55
1428305	Drill Core	5.04	0.146	4.9	1675.4	2.0	123	0.3	10.5	28.2	885	5.21	2	1.1	1.3	336	0.8	0.5	<0.1	194	5.47
1428306	Drill Core	4.58	0.291	1.6	2185.9	1.6	53	0.3	11.6	28.6	974	6.07	2	1.4	1.2	512	0.2	0.9	<0.1	203	6.15
1428307	Drill Core	5.26	0.092	5.1	470.9	1.0	41	0.1	12.7	42.6	927	6.24	<1	0.8	1.0	336	<0.1	0.2	<0.1	211	4.05
1428308	Drill Core	4.19	0.055	1.7	447.6	1.5	41	<0.1	28.4	35.5	1027	6.31	2	0.9	1.3	425	0.1	<0.1	<0.1	287	6.09
1428309	Drill Core	4.92	0.043	0.4	242.6	1.6	45	<0.1	19.8	28.9	1031	6.21	2	1.0	1.4	500	<0.1	0.1	<0.1	302	6.09
1428310	Drill Core	5.97	0.046	1.1	232.2	1.3	37	<0.1	62.0	42.6	957	6.83	1	0.7	1.2	395	<0.1	0.2	<0.1	266	6.79
1428311	Drill Core	4.10	0.033	0.6	243.2	1.4	37	<0.1	60.3	38.2	1012	6.92	<1	0.6	1.1	382	<0.1	0.1	<0.1	274	6.86
1428312	Drill Core	4.85	0.020	0.6	185.1	1.3	41	<0.1	75.7	46.4	1079	7.43	2	0.5	1.2	369	<0.1	0.2	<0.1	283	7.03
1428313	Drill Core	5.40	0.015	5.8	280.3	3.4	45	0.1	67.5	39.1	1047	6.90	2	0.7	1.2	421	0.1	0.1	<0.1	267	7.37
1428314	Drill Core	3.56	0.012	0.2	101.5	1.3	55	0.2	90.7	38.9	1182	6.81	1	0.6	1.2	460	<0.1	0.1	<0.1	267	7.14
1428315	Drill Core	3.48	0.037	0.2	230.2	1.2	44	<0.1	65.6	32.5	1060	6.61	<1	0.7	1.2	440	<0.1	<0.1	<0.1	269	6.89
1428316	Drill Core	4.55	0.035	0.3	182.5	1.2	41	<0.1	68.3	37.1	1120	6.98	2	0.7	1.4	386	0.1	0.2	<0.1	258	6.64
1428317	Drill Core	4.71	0.068	0.3	486.0	1.2	35	<0.1	61.8	39.8	977	7.47	2	0.8	1.1	389	<0.1	0.2	<0.1	241	6.30
1428318	Drill Core	4.30	0.037	0.8	345.6	1.3	38	<0.1	71.7	39.3	986	7.13	3	0.7	1.4	358	<0.1	<0.1	<0.1	252	6.92
1428319	Drill Core	4.00	<0.005	0.5	111.3	1.2	49	<0.1	77.8	34.7	1153	7.39	<1	0.7	1.2	341	<0.1	0.2	<0.1	274	7.14
1428320	Drill Core	4.97	0.291	5.6	821.2	1.4	25	0.2	33.9	110.6	703	9.90	3	1.1	1.1	375	<0.1	0.2	<0.1	257	4.90

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000536.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428291	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428292	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428293	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428294	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428295	Drill Core	0.098	7.8	76	3.44	182	0.410	7.56	3.163	0.59	0.3	28.0	18	0.5	12.5	1.1	<0.1	<1	36	15.0	0.3
1428296	Drill Core	0.108	6.2	73	3.43	143	0.430	7.74	3.113	0.50	0.1	29.6	15	0.4	12.1	1.1	<0.1	<1	35	13.4	<0.1
1428297	Drill Core	0.107	6.2	129	3.83	143	0.431	8.08	3.182	0.51	0.2	27.9	15	0.4	12.7	1.2	<0.1	<1	33	15.5	0.1
1428298	Drill Core	0.080	5.6	211	5.11	252	0.427	7.77	1.977	0.84	<0.1	23.0	13	0.5	12.0	0.9	<0.1	<1	40	12.3	<0.1
1428299	Drill Core	0.078	5.5	228	5.12	292	0.404	7.37	2.268	0.83	0.1	20.9	12	0.4	12.3	0.9	<0.1	<1	39	15.1	<0.1
1428300	Drill Core	0.071	5.4	229	5.18	283	0.410	7.58	1.962	0.82	0.1	20.9	13	0.4	12.4	0.9	<0.1	<1	39	13.0	<0.1
1428301	Drill Core	0.080	6.1	235	5.07	212	0.418	7.77	2.393	0.78	0.1	21.8	13	0.4	12.7	0.9	<0.1	<1	39	15.3	<0.1
1428302	Drill Core	0.076	5.9	197	4.53	328	0.429	8.13	2.422	0.95	0.3	23.6	13	0.5	12.9	1.0	<0.1	<1	37	13.8	<0.1
1428303	Drill Core	0.082	5.9	232	4.80	317	0.411	7.26	1.894	0.92	0.1	25.4	13	0.4	12.4	0.9	<0.1	<1	37	13.6	<0.1
1428304	Drill Core	0.108	5.4	52	2.67	376	0.382	8.87	4.135	1.06	0.4	49.2	13	0.6	13.1	1.6	<0.1	<1	17	18.5	0.2
1428305	Drill Core	0.098	8.2	13	2.06	222	0.378	9.41	4.756	0.66	0.3	44.9	17	0.4	15.7	1.5	<0.1	<1	15	15.3	0.3
1428306	Drill Core	0.094	11.0	7	1.96	214	0.364	9.47	4.179	0.66	0.5	44.2	19	0.4	15.5	1.4	<0.1	<1	16	12.2	0.3
1428307	Drill Core	0.103	6.7	10	2.17	311	0.420	9.02	4.767	0.86	0.3	44.9	15	0.5	14.6	1.8	0.1	1	15	19.1	0.3
1428308	Drill Core	0.116	7.2	50	3.07	267	0.538	9.23	3.481	1.00	0.3	23.1	18	0.5	16.3	1.3	<0.1	<1	23	10.8	0.2
1428309	Drill Core	0.113	7.6	17	2.63	272	0.557	9.39	3.317	1.11	0.2	21.0	19	0.6	16.4	1.6	0.1	<1	20	10.6	0.1
1428310	Drill Core	0.088	6.7	164	4.05	224	0.434	8.01	2.547	0.78	0.1	23.8	15	0.4	14.0	1.1	<0.1	1	33	11.0	0.2
1428311	Drill Core	0.080	7.0	163	4.33	224	0.468	8.43	2.807	0.85	0.2	120.8	15	0.5	13.6	1.1	<0.1	<1	34	13.3	0.1
1428312	Drill Core	0.078	7.4	210	4.74	243	0.444	7.82	2.461	0.72	0.2	24.4	15	0.7	12.4	1.2	<0.1	<1	39	12.2	0.2
1428313	Drill Core	0.137	10.1	182	4.11	732	0.500	7.60	2.499	1.35	0.3	31.6	20	0.8	13.7	2.1	0.1	<1	35	13.6	0.1
1428314	Drill Core	0.084	5.5	204	5.07	365	0.434	8.13	2.469	1.00	0.1	24.6	13	0.6	13.0	1.1	<0.1	<1	40	14.3	<0.1
1428315	Drill Core	0.089	6.0	152	4.31	379	0.411	8.52	2.794	1.04	0.1	23.1	15	0.6	13.1	1.2	<0.1	<1	33	12.1	<0.1
1428316	Drill Core	0.096	6.0	165	4.41	315	0.433	8.18	2.821	0.94	<0.1	26.8	15	0.7	13.6	1.0	<0.1	<1	35	10.9	0.1
1428317	Drill Core	0.095	5.2	172	4.29	440	0.398	8.26	2.839	0.91	0.2	25.4	14	0.9	14.0	1.1	<0.1	<1	32	12.3	0.2
1428318	Drill Core	0.079	5.8	205	4.59	197	0.407	7.99	2.975	0.73	0.2	26.4	13	0.7	13.0	1.1	<0.1	<1	35	11.8	0.1
1428319	Drill Core	0.087	5.7	206	4.80	226	0.423	8.23	2.911	0.80	0.2	26.1	15	0.5	12.9	1.1	<0.1	<1	38	12.5	<0.1
1428320	Drill Core	0.089	3.6	132	3.87	418	0.431	7.47	3.301	0.86	0.4	26.4	12	1.2	12.6	1.1	<0.1	<1	35	9.5	0.7

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000536.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428291	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428292	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428293	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428294	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1428295	Drill Core	19.5	1.0	0.09	0.005	<1	<0.5	<0.5	
1428296	Drill Core	16.2	1.0	<0.05	0.009	<1	<0.5	<0.5	
1428297	Drill Core	18.0	0.9	0.07	0.010	<1	0.9	<0.5	
1428298	Drill Core	24.5	0.8	0.10	<0.005	<1	<0.5	<0.5	
1428299	Drill Core	25.8	0.7	<0.05	<0.005	<1	<0.5	<0.5	
1428300	Drill Core	26.4	0.7	0.12	0.005	<1	<0.5	<0.5	
1428301	Drill Core	26.3	0.8	<0.05	0.017	<1	<0.5	<0.5	
1428302	Drill Core	28.0	0.8	0.09	<0.005	<1	<0.5	<0.5	
1428303	Drill Core	32.4	0.8	0.12	<0.005	<1	<0.5	<0.5	
1428304	Drill Core	19.1	1.4	0.09	0.012	<1	<0.5	<0.5	
1428305	Drill Core	11.2	1.5	0.07	0.018	<1	<0.5	<0.5	
1428306	Drill Core	15.2	1.2	0.19	0.007	<1	<0.5	<0.5	
1428307	Drill Core	9.6	1.4	<0.05	0.009	<1	<0.5	<0.5	
1428308	Drill Core	22.2	0.9	0.10	<0.005	<1	<0.5	<0.5	
1428309	Drill Core	21.4	0.7	<0.05	0.007	<1	<0.5	<0.5	
1428310	Drill Core	25.4	0.9	0.06	0.005	<1	0.6	<0.5	
1428311	Drill Core	29.3	0.9	0.07	<0.005	<1	<0.5	<0.5	
1428312	Drill Core	23.7	0.9	0.13	<0.005	<1	<0.5	<0.5	
1428313	Drill Core	37.6	1.0	0.07	0.042	<1	<0.5	<0.5	
1428314	Drill Core	32.2	0.8	0.06	0.005	<1	<0.5	<0.5	
1428315	Drill Core	34.0	0.8	<0.05	0.005	<1	<0.5	<0.5	
1428316	Drill Core	27.3	0.9	0.08	<0.005	<1	<0.5	<0.5	
1428317	Drill Core	31.0	0.7	<0.05	<0.005	<1	<0.5	<0.5	
1428318	Drill Core	24.2	0.9	0.07	0.006	<1	<0.5	<0.5	
1428319	Drill Core	25.9	0.9	0.09	0.007	<1	<0.5	<0.5	
1428320	Drill Core	21.3	0.9	0.09	0.123	<1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000536.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428321	Drill Core	5.80	0.179	2.6	1882.1	0.8	26	0.2	32.6	85.1	627	7.04	1	1.1	1.3	446	<0.1	0.2	<0.1	209	5.14
1428322	Drill Core	4.97	0.023	0.9	430.8	0.7	32	<0.1	26.4	57.5	669	7.57	2	0.9	1.1	517	<0.1	0.2	<0.1	270	5.26
1428323	Drill Core	4.83	0.015	0.7	142.8	0.9	30	<0.1	26.6	42.0	759	8.78	2	1.2	1.3	378	<0.1	0.3	<0.1	320	5.57
1428324	Drill Core	3.66	0.040	1.2	360.8	1.0	39	0.1	33.2	45.9	865	8.15	<1	1.0	1.1	387	<0.1	0.2	<0.1	330	5.81
1428325	Drill Core	5.82	0.036	0.9	395.5	1.0	33	<0.1	25.4	55.8	769	7.40	3	0.9	0.9	452	<0.1	0.6	<0.1	250	4.93
1428326	Drill Core	4.17	0.025	6.6	234.7	0.8	37	<0.1	29.9	37.2	863	9.06	3	0.8	0.7	354	<0.1	0.2	<0.1	358	5.72
1428327	Drill Core	5.94	0.046	0.8	562.1	1.4	58	<0.1	44.9	40.5	1159	8.36	2	0.5	0.8	384	0.2	0.1	<0.1	365	6.87
1428328	Drill Core	5.36	0.067	0.4	575.5	1.8	61	0.1	52.0	44.0	1310	8.53	<1	0.5	0.9	410	<0.1	0.3	<0.1	391	7.84
1428329	Drill Core	5.55	0.044	0.6	343.6	1.4	54	<0.1	31.3	36.9	1189	8.07	<1	0.6	0.9	435	<0.1	0.2	<0.1	371	7.04
1428330	Drill Core	5.20	0.040	0.9	306.1	1.5	47	<0.1	19.9	34.6	1028	7.56	2	0.6	0.8	491	<0.1	0.1	<0.1	342	6.92
1428331	Drill Core	5.33	0.038	1.0	278.3	1.5	50	<0.1	23.7	32.9	1070	6.83	<1	0.5	0.7	493	0.1	0.2	<0.1	307	7.42
1428332	Drill Core	5.47	0.024	0.5	231.4	1.2	50	<0.1	31.6	37.9	1196	8.31	1	0.6	0.8	405	<0.1	0.2	<0.1	405	7.19
1428333	Drill Core	4.96	0.087	0.3	893.1	1.0	24	<0.1	21.9	30.5	523	9.43	<1	1.2	1.4	387	<0.1	0.1	<0.1	352	6.10
1428334	Drill Core	3.93	0.055	0.5	637.5	1.1	28	<0.1	22.3	47.9	567	9.20	1	1.5	1.4	413	<0.1	0.2	<0.1	347	6.06
1428335	Drill Core	5.26	0.089	0.5	632.3	1.1	27	<0.1	22.0	35.9	549	9.58	1	1.2	1.7	281	<0.1	0.1	<0.1	359	6.34
1428336	Drill Core	3.99	0.043	0.1	427.8	1.4	48	<0.1	26.8	37.0	1041	7.73	1	0.6	0.8	535	<0.1	0.1	<0.1	334	7.62
1428337	Drill Core	5.41	0.067	<0.1	641.8	1.7	63	<0.1	36.6	49.1	1428	9.21	1	0.7	1.0	410	<0.1	0.1	<0.1	431	8.16
1428338	Drill Core	2.18	0.226	<0.1	2385.4	1.4	24	0.2	10.2	20.3	576	7.56	2	1.8	1.4	259	<0.1	0.2	<0.1	283	5.05
1428339	Drill Core	5.30	0.032	0.5	411.5	1.8	62	<0.1	57.7	57.2	1433	9.61	2	0.5	0.7	306	<0.1	0.2	<0.1	353	8.46
1428340	Drill Core	4.55	0.014	<0.1	84.4	2.0	67	<0.1	88.0	43.0	1541	8.40	4	0.3	0.4	351	<0.1	0.2	<0.1	281	8.60
1428341	Drill Core	5.77	0.012	<0.1	38.8	1.1	61	<0.1	86.5	39.3	1424	7.57	1	0.3	0.4	394	<0.1	<0.1	<0.1	295	7.71
1428342	Drill Core	5.39	0.006	<0.1	57.0	1.0	64	<0.1	110.0	44.3	1462	8.01	<1	0.2	0.4	430	<0.1	0.1	<0.1	290	7.78
1428343	Drill Core	5.97	0.076	89.3	770.4	1.2	44	<0.1	105.6	86.9	1171	11.12	2	0.5	0.3	311	<0.1	0.2	<0.1	300	7.26
1428344	Drill Core	5.43	0.016	2.8	154.2	1.2	55	<0.1	84.6	42.0	1321	8.49	<1	0.3	0.4	422	<0.1	0.1	<0.1	311	7.80
1428345	Drill Core	5.83	0.014	1.2	107.3	1.0	68	<0.1	96.9	49.0	1647	9.15	2	0.3	0.5	440	<0.1	0.2	<0.1	336	8.11
1428346	Drill Core	4.09	0.008	0.9	128.0	1.1	43	<0.1	58.5	43.7	1100	7.80	<1	0.4	0.6	544	<0.1	0.2	<0.1	295	7.20
1428347	Drill Core	4.87	0.016	0.2	178.3	1.0	46	<0.1	63.4	37.8	1144	8.33	2	0.5	0.6	395	<0.1	0.2	<0.1	299	7.22
1428348	Drill Core	5.24	0.016	<0.1	147.9	1.2	43	<0.1	46.0	44.3	1010	7.37	<1	0.5	0.7	539	<0.1	0.1	<0.1	273	6.97
1428349	Drill Core	2.50	0.065	0.2	701.8	1.1	39	<0.1	54.7	43.6	973	7.92	<1	0.6	0.6	522	<0.1	0.4	<0.1	278	6.82
1428350	Drill Core	2.84	0.078	0.1	707.8	1.3	42	<0.1	53.2	43.0	1001	8.28	1	0.5	0.6	517	<0.1	0.3	<0.1	300	6.83

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000536.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428321	Drill Core	0.085	4.8	63	2.90	332	0.397	8.67	3.915	0.92	1.4	33.2	15	1.1	14.5	1.4	0.1	<1	25	6.8	0.8
1428322	Drill Core	0.081	4.4	56	2.82	353	0.415	9.60	3.820	1.18	0.3	27.2	13	0.9	10.6	0.9	<0.1	<1	27	8.1	0.3
1428323	Drill Core	0.074	5.5	91	3.74	225	0.477	8.51	3.606	0.76	0.3	34.8	17	1.0	14.4	1.1	<0.1	<1	42	9.1	0.2
1428324	Drill Core	0.076	5.0	108	4.03	248	0.457	8.12	3.219	0.78	0.3	37.7	14	0.9	13.9	1.2	<0.1	<1	43	8.2	0.2
1428325	Drill Core	0.068	4.1	48	2.59	479	0.396	9.24	3.707	1.15	0.2	32.0	12	0.8	9.7	1.1	<0.1	<1	25	9.9	0.4
1428326	Drill Core	0.066	4.0	86	4.09	444	0.457	7.68	2.422	0.90	0.2	29.7	13	1.0	12.8	1.1	<0.1	<1	39	10.4	0.1
1428327	Drill Core	0.065	5.1	118	4.35	257	0.488	8.32	2.569	0.77	0.1	32.7	13	0.7	15.2	1.1	<0.1	<1	41	10.9	<0.1
1428328	Drill Core	0.058	4.8	124	4.67	225	0.515	8.78	2.686	0.60	0.1	31.8	13	1.0	14.7	1.1	0.1	<1	45	9.4	<0.1
1428329	Drill Core	0.071	4.6	55	3.87	236	0.497	9.16	2.891	0.71	0.1	33.0	12	0.6	14.6	1.4	<0.1	<1	35	10.0	<0.1
1428330	Drill Core	0.076	4.4	29	3.06	249	0.464	9.67	3.113	0.61	0.1	29.5	11	0.6	10.7	0.9	<0.1	<1	23	8.3	<0.1
1428331	Drill Core	0.065	4.0	71	3.39	246	0.399	9.51	2.748	0.59	0.2	25.0	10	0.7	10.1	0.8	<0.1	1	30	8.3	<0.1
1428332	Drill Core	0.063	4.8	75	4.16	196	0.489	8.34	2.509	0.58	<0.1	26.2	13	0.9	14.1	0.8	<0.1	<1	42	9.6	<0.1
1428333	Drill Core	0.124	5.5	75	3.62	111	0.462	8.37	3.540	0.30	0.1	31.7	16	1.2	12.8	1.1	<0.1	<1	36	10.6	0.2
1428334	Drill Core	0.120	8.9	70	3.35	93	0.474	8.82	3.827	0.29	<0.1	31.4	22	1.0	13.6	1.1	<0.1	<1	32	14.3	0.2
1428335	Drill Core	0.123	6.0	77	3.59	52	0.483	8.53	3.690	0.17	<0.1	37.7	16	1.0	12.6	1.2	<0.1	<1	36	11.2	0.2
1428336	Drill Core	0.075	3.6	54	3.24	259	0.444	9.71	2.595	0.78	0.1	23.9	10	0.6	8.8	0.6	<0.1	<1	27	8.9	<0.1
1428337	Drill Core	0.165	6.2	81	4.46	210	0.551	8.77	2.447	0.67	0.1	27.1	16	0.6	15.1	0.7	<0.1	<1	44	12.0	0.1
1428338	Drill Core	0.130	4.2	4	2.11	26	0.446	9.32	5.554	0.05	0.1	55.2	13	1.2	15.0	1.7	0.1	<1	20	9.6	0.3
1428339	Drill Core	0.161	6.0	184	4.71	142	0.524	8.05	1.811	0.48	0.3	23.2	15	0.7	14.4	0.5	<0.1	<1	41	17.9	0.2
1428340	Drill Core	0.111	5.1	239	5.17	142	0.426	8.01	1.928	0.41	0.1	21.1	13	0.5	13.4	0.5	<0.1	<1	40	15.7	0.1
1428341	Drill Core	0.069	5.0	233	5.31	212	0.471	7.58	2.384	0.43	0.1	25.4	12	0.5	14.0	1.0	<0.1	<1	40	11.8	<0.1
1428342	Drill Core	0.080	4.9	266	5.74	235	0.449	7.87	2.570	0.47	<0.1	24.9	13	0.5	13.6	1.0	<0.1	<1	40	10.4	<0.1
1428343	Drill Core	0.086	9.1	244	5.15	163	0.441	7.78	2.542	0.43	0.2	20.7	16	1.1	12.3	0.6	<0.1	<1	37	11.0	1.2
1428344	Drill Core	0.087	5.4	212	4.91	226	0.450	8.31	2.755	0.48	<0.1	23.6	13	0.9	13.6	0.7	<0.1	<1	36	10.2	0.2
1428345	Drill Core	0.179	6.9	229	5.33	184	0.460	7.53	2.395	0.34	0.1	21.6	18	0.4	15.5	0.5	<0.1	<1	36	11.9	0.2
1428346	Drill Core	0.076	4.2	120	4.05	227	0.433	8.81	2.998	0.49	0.1	23.1	12	0.6	13.0	0.5	<0.1	<1	31	6.8	0.2
1428347	Drill Core	0.051	3.5	173	4.58	166	0.463	8.22	2.756	0.43	<0.1	22.9	10	0.6	13.3	0.6	<0.1	<1	36	9.1	0.1
1428348	Drill Core	0.071	3.9	113	3.90	207	0.429	8.92	3.139	0.42	0.1	23.5	10	0.6	12.0	0.5	<0.1	<1	31	9.0	0.2
1428349	Drill Core	0.063	3.8	111	3.98	207	0.434	8.68	3.054	0.50	0.1	25.0	10	0.7	12.2	0.6	<0.1	<1	32	6.6	0.3
1428350	Drill Core	0.083	4.2	122	4.06	211	0.437	8.41	2.857	0.48	0.2	25.2	10	0.8	12.5	0.5	<0.1	<1	33	7.7	0.2

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000536.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428321	Drill Core	26.9	1.3	<0.05	0.046	<1	<0.5	<0.5	
1428322	Drill Core	25.2	0.9	<0.05	0.024	<1	<0.5	<0.5	
1428323	Drill Core	21.6	1.3	0.06	0.007	<1	<0.5	<0.5	
1428324	Drill Core	25.0	1.3	0.05	<0.005	<1	<0.5	<0.5	
1428325	Drill Core	31.2	1.0	<0.05	0.014	<1	<0.5	<0.5	
1428326	Drill Core	26.5	1.0	<0.05	0.056	<1	<0.5	<0.5	
1428327	Drill Core	23.0	1.1	0.18	0.007	<1	0.7	<0.5	
1428328	Drill Core	17.2	1.3	0.15	0.007	2	<0.5	<0.5	
1428329	Drill Core	17.0	1.0	<0.05	0.033	<1	<0.5	<0.5	
1428330	Drill Core	7.2	1.0	<0.05	<0.005	<1	<0.5	<0.5	
1428331	Drill Core	8.0	0.8	0.09	0.006	<1	<0.5	<0.5	
1428332	Drill Core	16.4	0.9	0.08	<0.005	<1	<0.5	<0.5	
1428333	Drill Core	6.6	1.1	<0.05	0.020	<1	0.5	<0.5	
1428334	Drill Core	8.1	1.0	<0.05	0.022	<1	<0.5	<0.5	
1428335	Drill Core	5.2	1.1	<0.05	0.025	<1	<0.5	<0.5	
1428336	Drill Core	10.7	0.9	<0.05	0.005	<1	<0.5	<0.5	
1428337	Drill Core	20.5	0.9	<0.05	<0.005	<1	<0.5	<0.5	
1428338	Drill Core	0.7	2.0	<0.05	0.073	<1	<0.5	<0.5	
1428339	Drill Core	15.9	0.8	0.05	0.012	<1	<0.5	<0.5	
1428340	Drill Core	11.5	0.9	0.07	<0.005	<1	0.5	<0.5	
1428341	Drill Core	10.5	1.1	0.11	<0.005	<1	0.8	<0.5	
1428342	Drill Core	11.3	1.1	0.08	<0.005	<1	<0.5	<0.5	
1428343	Drill Core	11.1	0.9	0.12	0.528	<1	0.7	<0.5	
1428344	Drill Core	12.6	1.0	0.08	0.010	<1	<0.5	<0.5	
1428345	Drill Core	9.3	0.9	0.07	<0.005	<1	<0.5	<0.5	
1428346	Drill Core	12.8	0.7	0.05	0.015	<1	<0.5	<0.5	
1428347	Drill Core	11.7	0.8	0.10	0.005	2	<0.5	<0.5	
1428348	Drill Core	10.8	0.8	<0.05	0.015	<1	<0.5	<0.5	
1428349	Drill Core	12.9	0.8	0.12	0.022	<1	<0.5	<0.5	
1428350	Drill Core	13.8	0.9	<0.05	0.010	<1	<0.5	<0.5	

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000536.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428351	Drill Core	4.92	0.023	0.2	283.2	0.9	50	<0.1	66.9	42.7	1223	9.32	<1	0.6	0.6	380	<0.1	0.2	<0.1	326	6.98
1428352	Drill Core	4.82	0.019	0.3	298.1	1.2	44	<0.1	46.0	42.9	1096	8.79	2	0.5	0.6	518	<0.1	0.1	<0.1	308	6.95
1428353	Drill Core	3.51	0.074	0.5	351.2	1.4	35	<0.1	53.0	48.8	985	8.79	<1	0.7	0.6	457	<0.1	0.5	<0.1	329	7.21
1428354	Drill Core	3.49	0.106	0.2	1012.1	1.5	33	<0.1	53.7	68.3	920	9.39	2	0.8	0.6	252	<0.1	0.5	<0.1	288	7.13
1428355	Drill Core		0.086	<0.1	584.8	0.9	54	<0.1	68.6	44.0	1224	10.64	<1	0.5	0.5	311	<0.1	<0.1	<0.1	440	7.09
1428356	Drill Core		0.756	1.0	3106.5	2.1	31	0.4	35.9	72.6	998	7.87	2	1.9	0.6	218	<0.1	0.2	<0.1	234	10.86
1428357	Drill Core		0.521	0.3	1820.3	2.4	27	0.4	23.9	79.7	697	5.68	2	0.9	0.8	358	<0.1	0.2	<0.1	237	8.40
1428358	Drill Core		0.133	0.7	1295.2	1.4	38	<0.1	18.4	57.7	832	7.23	2	1.0	1.0	426	<0.1	0.4	<0.1	278	5.96
1428359	Drill Core		0.237	<0.1	1560.3	1.3	40	<0.1	22.0	65.0	921	7.27	<1	0.9	0.8	390	<0.1	0.3	<0.1	248	6.37
1428360	Drill Core		0.333	0.1	2898.5	2.3	36	0.1	26.0	94.2	775	7.67	2	0.8	0.8	373	<0.1	<0.1	<0.1	278	5.41
1428361	Drill Core		1.201	0.7	>10000	3.7	38	0.8	54.9	191.4	841	11.75	<1	0.7	0.7	380	0.1	0.2	<0.1	319	5.69
1428362	Drill Core		0.163	0.5	1445.0	1.5	47	0.2	23.4	36.9	945	8.23	<1	0.9	1.1	364	<0.1	0.1	<0.1	342	5.65
1428363	Drill Core		0.051	0.3	473.2	1.3	40	<0.1	21.4	38.8	856	7.40	1	0.9	1.3	351	<0.1	0.2	<0.1	321	6.01
1428364	Drill Core		0.092	0.3	719.9	1.2	37	<0.1	22.1	41.9	902	7.62	2	0.9	1.0	348	<0.1	0.4	<0.1	319	5.77
1428365	Drill Core		0.049	0.7	423.4	1.1	34	<0.1	19.5	44.7	834	6.69	3	0.9	0.9	370	<0.1	<0.1	<0.1	284	5.73
1428366	Drill Core		0.027	0.3	209.6	1.1	28	<0.1	13.4	33.9	732	6.51	1	1.0	0.9	488	<0.1	<0.1	<0.1	279	5.68
1428367	Drill Core		0.030	0.3	231.0	1.2	29	<0.1	15.0	29.9	658	6.23	1	0.7	0.9	381	<0.1	<0.1	<0.1	258	6.19
1428368	Drill Core		0.032	0.4	279.5	1.0	32	<0.1	14.3	38.3	763	6.37	1	0.7	0.8	426	<0.1	<0.1	<0.1	270	5.15
1428369	Drill Core		0.020	0.4	183.1	1.1	27	<0.1	12.7	38.0	700	6.16	1	0.8	0.9	446	<0.1	0.1	<0.1	265	5.19
1428370	Drill Core		0.029	0.3	209.9	1.2	33	<0.1	11.3	30.6	779	6.19	<1	0.6	0.8	458	<0.1	0.2	<0.1	254	5.18
1428371	Drill Core		0.042	0.4	383.6	1.1	31	<0.1	11.7	39.6	755	6.34	<1	0.7	0.9	468	<0.1	0.2	<0.1	262	5.44
1428372	Drill Core		0.023	0.4	146.5	1.1	32	<0.1	12.7	31.5	816	6.34	<1	0.6	0.8	491	<0.1	<0.1	<0.1	271	5.38
1428373	Drill Core		0.059	0.3	545.2	0.9	30	<0.1	11.9	33.6	720	6.63	2	0.7	0.8	525	0.1	<0.1	<0.1	261	5.35
1428374	Drill Core		0.328	0.6	2590.0	1.3	30	0.1	20.3	63.7	687	7.20	<1	1.0	0.9	539	<0.1	0.1	<0.1	265	5.56

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000536.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428351	Drill Core	0.097	3.5	210	5.18	172	0.494	7.24	2.364	0.48	0.2	28.0	10	0.7	14.3	0.9	<0.1	<1	44	8.7	0.1
1428352	Drill Core	0.078	3.5	98	3.80	244	0.494	9.70	2.990	0.61	0.2	22.2	9	0.9	11.5	0.6	<0.1	<1	32	9.9	0.2
1428353	Drill Core	0.161	4.2	67	3.49	219	0.496	9.44	2.590	0.64	0.3	16.6	12	0.8	11.8	0.4	<0.1	<1	27	13.3	0.3
1428354	Drill Core	0.093	3.5	136	3.69	78	0.414	8.19	2.537	0.32	0.3	22.4	10	0.8	11.2	0.6	<0.1	<1	29	12.4	0.6
1428355	Drill Core	0.120	3.4	150	4.62	213	0.576	7.89	1.849	0.76	0.2	19.0	10	0.7	13.9	0.4	<0.1	<1	42	14.3	0.1
1428356	Drill Core	0.058	2.7	110	2.09	109	0.386	7.14	1.478	0.42	0.3	18.7	9	0.6	10.6	0.6	<0.1	<1	25	10.1	0.9
1428357	Drill Core	0.102	4.4	25	1.31	139	0.477	8.86	3.580	0.61	0.2	27.2	13	0.9	14.1	1.2	<0.1	<1	22	7.1	0.9
1428358	Drill Core	0.115	13.7	18	2.49	157	0.524	10.16	4.396	0.64	0.2	31.9	24	1.0	17.3	1.4	<0.1	<1	23	9.5	0.8
1428359	Drill Core	0.102	5.0	16	2.07	163	0.495	9.49	3.984	0.67	0.2	27.1	14	1.0	15.3	1.2	<0.1	<1	21	9.4	0.9
1428360	Drill Core	0.104	4.3	21	2.55	226	0.496	9.22	3.719	0.81	0.2	29.1	13	1.2	16.1	1.2	<0.1	<1	22	9.4	1.4
1428361	Drill Core	0.095	4.4	14	2.30	74	0.425	8.01	3.168	0.68	0.4	24.5	12	0.9	14.9	1.1	<0.1	<1	18	7.3	3.3
1428362	Drill Core	0.153	6.7	42	3.21	164	0.543	9.05	3.138	0.76	0.3	33.7	20	0.9	14.8	1.6	<0.1	1	35	13.9	0.3
1428363	Drill Core	0.132	7.1	32	2.96	163	0.486	8.86	2.983	0.65	0.2	33.2	19	0.7	15.8	1.5	<0.1	<1	31	11.5	0.3
1428364	Drill Core	0.135	6.2	35	3.13	163	0.498	8.79	3.265	0.57	0.2	34.8	18	0.8	17.8	1.7	0.1	<1	32	10.5	0.4
1428365	Drill Core	0.124	5.8	34	2.89	228	0.494	8.78	3.270	0.71	0.2	29.4	15	0.8	17.3	1.2	<0.1	<1	26	7.7	0.4
1428366	Drill Core	0.115	5.8	18	2.74	236	0.512	9.37	3.578	0.65	0.2	31.6	15	0.8	17.0	1.3	<0.1	<1	24	6.6	0.3
1428367	Drill Core	0.108	5.6	19	2.22	196	0.481	8.95	3.442	0.55	0.1	27.6	14	0.8	15.4	1.2	<0.1	<1	21	5.4	0.2
1428368	Drill Core	0.111	5.9	17	2.47	238	0.509	9.05	3.751	0.63	0.2	29.5	15	0.7	16.5	1.2	<0.1	<1	22	7.5	0.4
1428369	Drill Core	0.104	5.9	14	2.45	226	0.500	9.24	3.831	0.54	0.1	27.9	15	0.8	17.1	1.2	<0.1	<1	22	9.0	0.3
1428370	Drill Core	0.109	4.9	11	2.39	250	0.495	9.19	3.970	0.55	0.2	28.0	13	0.7	15.0	1.2	<0.1	<1	20	7.9	0.2
1428371	Drill Core	0.107	5.6	11	2.53	220	0.502	9.30	3.823	0.48	0.2	28.1	14	0.7	16.6	1.2	<0.1	<1	21	8.7	0.3
1428372	Drill Core	0.113	5.1	14	2.55	223	0.503	9.27	3.831	0.51	0.2	27.6	13	0.7	15.4	1.2	<0.1	<1	22	6.0	0.2
1428373	Drill Core	0.114	5.0	11	2.46	264	0.502	9.26	3.712	0.69	0.1	26.8	13	0.8	16.3	1.3	<0.1	<1	21	7.8	0.3
1428374	Drill Core	0.118	4.9	12	2.53	230	0.498	9.36	3.574	0.44	0.2	26.9	13	1.1	16.8	1.3	<0.1	<1	21	4.2	1.0

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

CERTIFICATE OF ANALYSIS SMI14000536.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428351	Drill Core	14.1	1.0	0.13	<0.005	<1	<0.5	<0.5	
1428352	Drill Core	12.6	0.7	0.10	<0.005	<1	<0.5	<0.5	
1428353	Drill Core	20.9	0.5	0.07	0.034	<1	<0.5	<0.5	
1428354	Drill Core	11.3	0.7	<0.05	0.046	<1	<0.5	<0.5	
1428355	Drill Core	28.4	0.6	0.08	0.011	<1	<0.5	<0.5	
1428356	Drill Core	15.4	0.6	<0.05	0.051	<1	<0.5	<0.5	
1428357	Drill Core	24.0	1.0	0.07	0.021	<1	<0.5	<0.5	
1428358	Drill Core	21.2	1.1	<0.05	0.049	<1	0.5	<0.5	
1428359	Drill Core	24.7	1.0	0.07	0.042	<1	<0.5	<0.5	
1428360	Drill Core	29.0	1.0	0.10	0.109	<1	<0.5	<0.5	
1428361	Drill Core	23.0	0.7	0.16	0.107	2	<0.5	<0.5	1.02
1428362	Drill Core	22.3	1.1	0.10	0.008	<1	<0.5	<0.5	
1428363	Drill Core	22.7	1.1	0.07	0.045	<1	1.1	<0.5	
1428364	Drill Core	17.6	1.5	0.07	0.010	<1	<0.5	<0.5	
1428365	Drill Core	23.3	1.2	<0.05	0.017	<1	0.5	<0.5	
1428366	Drill Core	18.4	1.2	<0.05	0.015	<1	0.8	<0.5	
1428367	Drill Core	16.9	1.0	<0.05	<0.005	<1	0.7	<0.5	
1428368	Drill Core	11.2	1.1	<0.05	0.012	<1	<0.5	<0.5	
1428369	Drill Core	14.0	1.0	0.05	0.006	<1	0.9	<0.5	
1428370	Drill Core	8.1	1.0	<0.05	<0.005	<1	0.5	<0.5	
1428371	Drill Core	10.3	1.0	0.06	0.008	<1	1.2	<0.5	
1428372	Drill Core	7.5	1.1	<0.05	0.008	<1	1.7	<0.5	
1428373	Drill Core	13.3	1.1	<0.05	0.016	<1	0.8	<0.5	
1428374	Drill Core	8.4	1.0	<0.05	0.119	<1	0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000536.2

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
1428317	Drill Core	4.71	0.068	0.3	486.0	1.2	35	<0.1	61.8	39.8	977	7.47	2	0.8	1.1	389	<0.1	0.2	<0.1	241	6.30
REP 1428317	QC			0.6	495.4	1.3	35	<0.1	61.8	42.4	968	7.50	1	0.9	1.3	401	<0.1	0.1	<0.1	247	6.32
1428344	Drill Core	5.43	0.016	2.8	154.2	1.2	55	<0.1	84.6	42.0	1321	8.49	<1	0.3	0.4	422	<0.1	0.1	<0.1	311	7.80
REP 1428344	QC		0.016																		
1428352	Drill Core	4.82	0.019	0.3	298.1	1.2	44	<0.1	46.0	42.9	1096	8.79	2	0.5	0.6	518	<0.1	0.1	<0.1	308	6.95
REP 1428352	QC			0.1	295.0	1.3	44	<0.1	47.5	41.6	1055	8.42	1	0.5	0.6	500	<0.1	0.2	<0.1	305	6.68
1428361	Drill Core		1.201	0.7	>10000	3.7	38	0.8	54.9	191.4	841	11.75	<1	0.7	0.7	380	0.1	0.2	<0.1	319	5.69
REP 1428361	QC																				
1428363	Drill Core		0.051	0.3	473.2	1.3	40	<0.1	21.4	38.8	856	7.40	1	0.9	1.3	351	<0.1	0.2	<0.1	321	6.01
REP 1428363	QC			0.3	490.8	1.3	41	<0.1	22.6	40.6	886	7.55	2	0.9	1.3	356	<0.1	0.2	<0.1	334	6.10
1428367	Drill Core		0.030	0.3	231.0	1.2	29	<0.1	15.0	29.9	658	6.23	1	0.7	0.9	381	<0.1	<0.1	<0.1	258	6.19
REP 1428367	QC		0.031																		
1428373	Drill Core		0.059	0.3	545.2	0.9	30	<0.1	11.9	33.6	720	6.63	2	0.7	0.8	525	0.1	<0.1	<0.1	261	5.35
REP 1428373	QC		0.062																		
Core Reject Duplicates																					
1428313	Drill Core	5.40	0.015	5.8	280.3	3.4	45	0.1	67.5	39.1	1047	6.90	2	0.7	1.2	421	0.1	0.1	<0.1	267	7.37
DUP 1428313	QC		0.015	6.5	280.7	3.4	45	<0.1	69.5	41.3	1053	6.90	<1	0.7	1.3	422	<0.1	0.1	<0.1	267	7.40
1428351	Drill Core	4.92	0.023	0.2	283.2	0.9	50	<0.1	66.9	42.7	1223	9.32	<1	0.6	0.6	380	<0.1	0.2	<0.1	326	6.98
DUP 1428351	QC		0.034	<0.1	269.1	0.8	46	<0.1	62.8	40.7	1207	9.28	<1	0.5	0.6	364	<0.1	0.2	<0.1	321	6.90
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard			2.1	37.3	27.2	47	0.1	44.6	7.4	500	6.59	10	2.9	15.9	51	<0.1	0.5	0.4	162	0.31
STD OREAS25A-4A	Standard			2.4	37.5	27.2	55	<0.1	50.7	8.3	511	7.16	9	3.0	16.3	56	<0.1	0.7	0.4	173	0.33
STD OREAS25A-4A	Standard			2.6	37.3	27.1	47	0.1	51.4	8.7	560	6.93	11	3.0	15.9	48	0.1	0.5	0.4	177	0.30
STD OREAS45E	Standard			2.5	777.5	19.4	49	0.3	463.3	59.6	570	25.20	16	2.4	12.9	16	<0.1	1.1	0.3	313	0.08
STD OREAS45E	Standard			2.3	826.5	20.3	52	0.3	496.5	63.2	589	27.29	17	2.7	13.7	18	<0.1	1.0	0.3	345	0.09
STD OREAS45E	Standard			2.4	808.7	19.6	49	0.4	499.7	63.7	600	25.32	17	2.4	13.3	18	<0.1	1.0	0.3	345	0.07

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000536.2

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																						
1428317	Drill Core		0.095	5.2	172	4.29	440	0.398	8.26	2.839	0.91	0.2	25.4	14	0.9	14.0	1.1	<0.1	<1	32	12.3	0.2
REP 1428317	QC		0.096	5.3	184	4.31	448	0.416	8.30	2.875	0.94	0.3	24.8	15	0.6	13.4	1.0	<0.1	<1	32	12.5	0.2
1428344	Drill Core		0.087	5.4	212	4.91	226	0.450	8.31	2.755	0.48	<0.1	23.6	13	0.9	13.6	0.7	<0.1	<1	36	10.2	0.2
REP 1428344	QC																					
1428352	Drill Core		0.078	3.5	98	3.80	244	0.494	9.70	2.990	0.61	0.2	22.2	9	0.9	11.5	0.6	<0.1	<1	32	9.9	0.2
REP 1428352	QC		0.077	3.1	95	3.65	232	0.482	9.15	2.812	0.59	0.2	22.1	9	0.5	10.8	0.7	<0.1	<1	31	8.9	0.2
1428361	Drill Core		0.095	4.4	14	2.30	74	0.425	8.01	3.168	0.68	0.4	24.5	12	0.9	14.9	1.1	<0.1	<1	18	7.3	3.3
REP 1428361	QC																					
1428363	Drill Core		0.132	7.1	32	2.96	163	0.486	8.86	2.983	0.65	0.2	33.2	19	0.7	15.8	1.5	<0.1	<1	31	11.5	0.3
REP 1428363	QC		0.129	7.4	34	3.02	165	0.501	9.09	3.064	0.64	0.2	34.2	19	0.7	16.0	1.4	<0.1	<1	31	13.9	0.3
1428367	Drill Core		0.108	5.6	19	2.22	196	0.481	8.95	3.442	0.55	0.1	27.6	14	0.8	15.4	1.2	<0.1	<1	21	5.4	0.2
REP 1428367	QC																					
1428373	Drill Core		0.114	5.0	11	2.46	264	0.502	9.26	3.712	0.69	0.1	26.8	13	0.8	16.3	1.3	<0.1	<1	21	7.8	0.3
REP 1428373	QC																					
Core Reject Duplicates																						
1428313	Drill Core		0.137	10.1	182	4.11	732	0.500	7.60	2.499	1.35	0.3	31.6	20	0.8	13.7	2.1	0.1	<1	35	13.6	0.1
DUP 1428313	QC		0.134	10.1	191	4.12	715	0.504	7.58	2.502	1.24	0.3	32.4	20	0.6	13.9	2.1	0.1	<1	35	14.2	0.1
1428351	Drill Core		0.097	3.5	210	5.18	172	0.494	7.24	2.364	0.48	0.2	28.0	10	0.7	14.3	0.9	<0.1	<1	44	8.7	0.1
DUP 1428351	QC		0.092	3.4	208	5.14	172	0.481	7.10	2.302	0.47	0.2	26.3	10	0.7	13.9	0.7	<0.1	<1	43	7.6	0.1
Reference Materials																						
STD OREAS132A	Standard																					
STD OREAS134B	Standard																					
STD OREAS25A-4A	Standard		0.044	21.7	106	0.33	146	0.922	9.21	0.125	0.49	1.8	152.9	48	3.8	10.5	19.9	1.4	2	13	35.7	<0.1
STD OREAS25A-4A	Standard		0.054	22.5	122	0.34	158	1.040	9.99	0.131	0.52	2.1	175.5	52	4.1	11.4	23.2	1.7	<1	14	39.3	<0.1
STD OREAS25A-4A	Standard		0.051	21.4	120	0.33	156	0.964	9.04	0.144	0.52	2.0	158.3	48	4.4	10.9	21.3	1.5	<1	14	40.0	<0.1
STD OREAS45E	Standard		0.033	10.4	1023	0.16	244	0.518	6.95	0.060	0.34	0.9	95.4	23	1.2	7.4	6.3	0.5	1	93	6.9	<0.1
STD OREAS45E	Standard		0.035	10.4	1069	0.16	257	0.570	7.42	0.062	0.35	1.5	105.1	24	1.5	7.9	6.5	0.6	1	97	7.2	<0.1
STD OREAS45E	Standard		0.036	11.4	916	0.18	258	0.557	6.98	0.062	0.35	1.0	101.8	24	1.3	8.8	6.6	0.5	<1	96	7.1	<0.1

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000536.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
	Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
Pulp Duplicates									
1428317	Drill Core	31.0	0.7	<0.05	<0.005	<1	<0.5	<0.5	
REP 1428317	QC	29.6	0.8	0.06	0.015	<1	<0.5	<0.5	
1428344	Drill Core	12.6	1.0	0.08	0.010	<1	<0.5	<0.5	
REP 1428344	QC								
1428352	Drill Core	12.6	0.7	0.10	<0.005	<1	<0.5	<0.5	
REP 1428352	QC	12.3	0.7	<0.05	<0.005	<1	<0.5	<0.5	
1428361	Drill Core	23.0	0.7	0.16	0.107	2	<0.5	<0.5	1.02
REP 1428361	QC								1.02
1428363	Drill Core	22.7	1.1	0.07	0.045	<1	1.1	<0.5	
REP 1428363	QC	22.6	1.2	<0.05	0.028	<1	0.8	<0.5	
1428367	Drill Core	16.9	1.0	<0.05	<0.005	<1	0.7	<0.5	
REP 1428367	QC								
1428373	Drill Core	13.3	1.1	<0.05	0.016	<1	0.8	<0.5	
REP 1428373	QC								
Core Reject Duplicates									
1428313	Drill Core	37.6	1.0	0.07	0.042	<1	<0.5	<0.5	
DUP 1428313	QC	35.7	0.9	0.06	0.045	<1	<0.5	<0.5	
1428351	Drill Core	14.1	1.0	0.13	<0.005	<1	<0.5	<0.5	
DUP 1428351	QC	13.2	1.1	0.07	<0.005	<1	<0.5	<0.5	
Reference Materials									
STD OREAS132A	Standard								0.05
STD OREAS134B	Standard								0.13
STD OREAS25A-4A	Standard	60.2	4.0	<0.05	<0.005	<1	<0.5	<0.5	
STD OREAS25A-4A	Standard	66.9	4.8	0.13	<0.005	1	<0.5	<0.5	
STD OREAS25A-4A	Standard	61.2	4.7	0.07	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	20.4	2.8	0.07	<0.005	1	<0.5	<0.5	
STD OREAS45E	Standard	21.9	3.1	0.13	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	22.7	3.3	0.10	<0.005	3	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000536.2

		WGHT Wgt kg 0.01	FA430 Au ppm 0.005	MA200 Mo ppm 0.1	MA200 Cu ppm 0.1	MA200 Pb ppm 0.1	MA200 Zn ppm 1	MA200 Ag ppm 0.1	MA200 Ni ppm 0.1	MA200 Co ppm 0.2	MA200 Mn ppm 1	MA200 Fe % 0.01	MA200 As ppm 1	MA200 U ppm 0.1	MA200 Th ppm 0.1	MA200 Sr ppm 1	MA200 Cd ppm 0.1	MA200 Sb ppm 0.1	MA200 Bi ppm 0.1	MA200 V ppm 1	MA200 Ca % 0.01
STD OXD108	Standard		0.402																		
STD OXD108	Standard		0.419																		
STD OXD108	Standard		0.423																		
STD OXI121	Standard		1.799																		
STD OXI121	Standard		1.786																		
STD OXI121	Standard		1.818																		
STD OXN117	Standard		7.486																		
STD OXN117	Standard		7.637																		
STD OXN117	Standard		7.848																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		0.009																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02
BLK	Blank			<0.1	0.4	0.1	<1	<0.1	0.5	<0.2	4	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02
BLK	Blank			<0.1	0.5	0.2	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank		<0.005	0.3	9.0	23.1	62	<0.1	3.7	5.2	837	2.57	<1	3.1	10.3	730	<0.1	0.2	0.2	51	2.44
G1-SMI	Prep Blank		<0.005	0.3	9.1	20.1	52	<0.1	3.3	5.1	777	2.40	1	3.0	9.1	730	<0.1	<0.1	0.1	48	2.27

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Client: **Terracad Geoscience Services Ltd.**
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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000536.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.2	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	0.074	27.9	10	0.61	967	0.260	7.88	2.988	2.44	0.1	12.0	59	2.0	14.8	25.9	1.5	3	5	41.2	<0.1
G1-SMI	Prep Blank	0.072	26.0	9	0.56	1001	0.238	7.51	2.852	2.11	<0.1	11.0	59	1.3	14.6	25.1	1.4	3	5	34.9	<0.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 24, 2014

QUALITY CONTROL REPORT SMI14000536.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXD108 Expected									
STD OXN117 Expected									
STD OXI121 Expected									
STD OREAS25A-4A		61	4.53					0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	
STD OREAS132A Expected									0.0458
STD OREAS134B Expected									0.1348
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	0.2	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	0.3	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								<0.01
Prep Wash									
G1-SMI	Prep Blank	113.7	0.5	<0.05	<0.005	<1	<0.5	1.2	
G1-SMI	Prep Blank	95.0	0.6	0.07	<0.005	<1	<0.5	1.0	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Farshad Shirvani
Receiving Lab: Canada-Whitehorse
Received: August 22, 2014
Report Date: September 16, 2014
Page: 1 of 5

CERTIFICATE OF ANALYSIS WHI14000142.1

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 94

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	94	Crush, split and pulverize 500g rock to 200 mesh			WHI
FA430	94	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	94	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA404	1	4 Acid Digest AAS Finish for Cu VAN	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Terracad Geoscience Services Ltd.
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Erik Ostensoe
Krystle Milligan
Teresa Gough

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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All results are considered the confidential property of the client. Acme 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.

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428375	Drill Core	4.33	0.133	0.4	1048.1	5.0	50	0.1	23.0	63.4	912	7.47	6	1.2	1.0	494	<0.1	1.3	<0.1	266	5.59
1428376	Drill Core	5.17	0.294	0.3	3473.4	1.9	45	0.2	26.4	56.5	807	7.74	4	0.8	1.0	384	<0.1	0.3	<0.1	280	5.23
1428377	Drill Core	2.85	0.211	0.2	2521.9	1.1	40	0.1	22.0	48.8	761	7.54	2	0.8	1.1	374	<0.1	0.2	<0.1	286	5.68
1428378	Drill Core	4.48	0.383	0.2	5940.0	1.5	44	0.3	39.5	80.6	903	8.68	3	0.8	1.1	424	<0.1	0.4	<0.1	283	4.99
1428379	Drill Core	5.39	0.314	0.1	4140.7	1.2	37	0.2	27.9	74.1	821	7.77	2	0.8	0.9	484	<0.1	0.9	<0.1	264	5.80
1428380	Drill Core	3.57	0.272	0.2	3545.6	1.0	36	0.4	39.6	75.2	892	8.79	4	0.8	0.9	367	<0.1	0.9	<0.1	269	5.30
1428381	Drill Core	6.25	0.503	0.3	7938.4	1.3	42	0.4	72.0	114.2	835	11.61	3	0.7	0.8	342	<0.1	0.3	<0.1	302	4.98
1428382	Drill Core	3.78	1.286	0.6	>10000	2.4	42	1.2	342.0	269.9	1187	25.12	11	0.5	0.6	253	0.1	1.0	<0.1	446	4.26
1428383	Drill Core	3.72	0.229	0.1	1338.7	1.1	46	0.2	44.0	44.6	1279	10.50	7	0.7	0.9	341	<0.1	0.6	<0.1	470	6.33
1428384	Drill Core	4.80	0.110	0.4	1463.4	1.1	39	0.1	44.1	47.2	1058	10.70	2	0.5	0.7	324	<0.1	0.2	<0.1	479	7.25
1428385	Drill Core	5.39	0.271	0.4	3841.2	1.4	43	0.3	142.9	220.8	1097	14.64	1	0.4	0.6	224	<0.1	0.3	<0.1	434	7.57
1428386	Drill Core	4.80	0.290	0.8	4338.3	1.2	42	0.3	135.6	126.1	1062	14.09	2	0.5	0.5	211	<0.1	0.3	<0.1	406	5.95
1428387	Drill Core	4.26	0.348	0.4	5838.7	1.5	33	0.4	106.0	81.0	808	11.97	<1	0.4	0.5	322	<0.1	0.4	<0.1	347	6.55
1428388	Drill Core	4.75	0.350	0.2	6957.3	1.2	32	0.5	92.2	61.2	728	11.35	<1	0.4	0.3	359	<0.1	<0.1	<0.1	394	7.02
1428389	Drill Core	4.98	0.283	0.5	4247.7	0.9	29	0.2	99.8	81.8	635	14.50	<1	0.5	0.4	328	<0.1	0.1	<0.1	418	5.84
1428390	Drill Core	4.14	0.625	0.1	9072.7	1.2	30	0.5	91.8	202.4	726	17.82	<1	0.5	0.4	365	<0.1	0.3	<0.1	399	4.79
1428391	Drill Core	3.03	0.462	1.5	3062.0	2.0	39	0.4	70.7	137.6	1175	13.56	2	0.5	0.3	299	<0.1	0.8	<0.1	333	5.22
1428392	Drill Core	5.09	0.748	0.5	2356.4	0.9	36	0.3	63.5	77.0	1067	15.00	6	0.4	0.4	264	<0.1	0.8	<0.1	410	4.98
1428393	Drill Core	5.18	0.486	0.2	2295.0	1.1	43	0.2	61.9	59.7	1380	17.97	3	0.6	0.6	340	<0.1	1.8	<0.1	585	5.86
1428394	Drill Core	4.68	0.137	<0.1	1396.0	0.8	31	0.2	45.9	49.5	868	10.54	3	0.6	0.8	342	<0.1	0.4	<0.1	355	5.35
1428395	Drill Core	4.16	0.072	<0.1	941.5	0.6	32	<0.1	45.7	36.0	708	9.91	1	0.6	1.0	286	<0.1	0.2	<0.1	337	5.15
1428396	Drill Core	4.79	0.085	<0.1	1140.3	0.9	33	0.1	47.2	41.9	888	9.85	2	0.6	1.2	365	<0.1	0.3	<0.1	385	5.57
1428397	Drill Core	4.73	0.024	0.1	256.0	1.1	36	<0.1	45.9	30.2	855	6.78	<1	0.6	1.5	429	<0.1	0.1	<0.1	278	6.98
1428398	Drill Core	5.10	0.043	0.1	656.5	0.8	39	0.1	45.1	32.5	873	8.75	4	0.6	1.0	292	<0.1	0.2	<0.1	348	6.70
1428399	Drill Core	2.48	0.038	0.1	344.6	0.7	42	<0.1	48.6	32.3	1019	7.88	<1	0.6	1.2	341	<0.1	0.2	<0.1	342	6.52
1428400	Drill Core	2.35	0.024	0.1	296.8	0.8	44	<0.1	46.1	32.7	1054	7.86	1	0.5	1.1	340	<0.1	0.2	<0.1	343	6.54
1428401	Drill Core	4.10	0.009	0.1	181.8	0.9	45	<0.1	48.7	31.9	974	8.02	2	0.5	1.2	350	<0.1	0.3	<0.1	326	5.80
1428402	Drill Core	4.69	0.113	0.2	384.7	2.5	35	0.1	52.9	47.4	1164	14.88	5	0.8	0.8	590	<0.1	3.4	<0.1	503	6.74
1428403	Drill Core	4.90	0.050	0.2	473.9	0.9	37	<0.1	47.7	33.6	924	6.98	1	0.3	0.9	330	<0.1	0.4	<0.1	290	6.48
1428404	Drill Core	5.03	0.039	<0.1	373.2	1.1	51	<0.1	50.0	37.6	1209	7.47	<1	0.4	0.7	369	<0.1	0.2	<0.1	342	7.17

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428375	Drill Core	0.116	5.8	18	2.70	150	0.505	9.51	3.967	0.46	0.3	26.9	15	1.1	16.9	1.2	<0.1	<1	24	9.6	0.7
1428376	Drill Core	0.111	4.8	38	2.95	192	0.493	8.98	3.668	0.60	0.3	26.3	13	0.8	14.7	1.1	<0.1	<1	26	8.6	0.8
1428377	Drill Core	0.104	5.5	21	2.67	160	0.525	9.23	3.872	0.55	0.3	28.3	13	0.8	15.8	1.2	<0.1	1	27	9.2	0.7
1428378	Drill Core	0.113	4.8	31	3.12	172	0.499	9.12	3.849	0.63	0.2	28.7	13	0.7	15.0	1.1	<0.1	<1	26	10.7	1.2
1428379	Drill Core	0.111	5.4	15	2.76	180	0.498	9.41	3.701	0.65	0.2	25.9	13	1.0	14.7	1.1	<0.1	<1	23	6.8	1.0
1428380	Drill Core	0.106	4.2	14	2.74	100	0.486	9.00	3.770	0.45	0.3	24.0	12	0.8	13.8	1.2	<0.1	<1	22	10.6	0.9
1428381	Drill Core	0.113	3.8	17	2.78	163	0.456	8.80	3.460	0.61	0.3	22.1	11	0.9	12.8	1.1	<0.1	<1	22	8.9	1.7
1428382	Drill Core	0.150	3.2	26	3.04	162	0.390	6.44	1.743	0.39	0.4	18.3	9	1.0	10.5	0.8	<0.1	<1	23	12.7	4.9
1428383	Drill Core	0.032	4.8	62	4.55	237	0.637	8.11	1.827	0.83	0.4	24.0	13	1.1	11.3	1.3	<0.1	<1	47	13.8	0.3
1428384	Drill Core	0.020	3.9	97	4.91	227	0.524	7.90	1.377	0.80	0.2	21.2	11	1.1	11.6	1.1	<0.1	<1	48	12.5	0.3
1428385	Drill Core	0.038	2.9	189	4.73	134	0.371	6.22	1.033	0.47	0.7	18.6	9	0.9	10.6	0.8	<0.1	<1	43	11.5	2.6
1428386	Drill Core	0.062	4.6	193	4.73	132	0.431	6.68	1.655	0.56	0.8	19.1	11	1.1	10.6	0.8	<0.1	<1	42	9.0	1.8
1428387	Drill Core	0.078	3.8	150	3.91	165	0.366	7.65	1.611	0.59	0.5	12.5	9	0.8	9.1	0.6	<0.1	<1	31	9.3	1.1
1428388	Drill Core	0.187	3.4	79	4.16	163	0.444	7.80	1.633	0.50	0.3	10.1	9	0.9	10.9	0.3	<0.1	<1	33	7.9	1.1
1428389	Drill Core	0.117	3.3	93	3.84	185	0.416	7.55	2.350	0.59	1.4	10.9	9	1.1	10.7	0.4	<0.1	<1	34	7.4	1.0
1428390	Drill Core	0.083	2.2	65	2.80	259	0.357	7.35	1.976	0.56	0.4	8.3	7	0.9	9.6	0.3	<0.1	<1	22	9.0	2.3
1428391	Drill Core	0.066	2.3	102	3.72	334	0.392	7.49	2.437	0.79	0.6	12.3	7	1.2	10.3	0.4	<0.1	<1	28	11.1	1.2
1428392	Drill Core	0.098	2.1	121	3.87	493	0.363	6.83	1.748	1.14	1.1	11.7	6	1.0	10.1	0.5	<0.1	<1	30	10.8	0.8
1428393	Drill Core	0.088	4.7	97	3.84	111	0.387	6.93	1.523	0.40	0.6	18.6	10	1.0	11.3	0.7	<0.1	<1	35	12.6	0.6
1428394	Drill Core	0.080	3.0	89	3.42	298	0.369	7.77	2.998	0.79	0.3	26.7	9	0.7	11.2	0.9	<0.1	<1	28	10.4	0.4
1428395	Drill Core	0.061	3.3	110	3.49	420	0.416	7.61	2.818	0.83	0.1	26.5	10	1.0	12.0	0.9	<0.1	<1	29	9.5	0.3
1428396	Drill Core	0.106	4.7	103	4.21	391	0.414	7.53	2.703	0.90	0.2	29.9	12	0.9	12.7	1.2	<0.1	<1	33	8.0	0.3
1428397	Drill Core	0.095	5.8	112	4.28	189	0.438	8.37	2.816	0.67	0.1	30.7	14	0.8	12.5	1.1	<0.1	<1	35	9.5	<0.1
1428398	Drill Core	0.090	4.2	114	4.12	141	0.416	7.82	2.392	0.58	0.2	26.9	11	0.6	11.4	0.9	<0.1	<1	35	9.5	0.2
1428399	Drill Core	0.068	4.4	141	4.35	185	0.443	7.94	2.609	0.73	0.1	31.9	11	0.7	11.1	1.0	<0.1	<1	36	11.6	<0.1
1428400	Drill Core	0.067	4.5	133	4.36	198	0.447	7.98	2.575	0.74	0.1	32.6	11	0.6	11.6	0.9	<0.1	<1	37	10.3	<0.1
1428401	Drill Core	0.072	4.4	118	4.20	192	0.407	8.08	2.843	0.73	0.1	34.3	11	0.6	11.3	1.0	<0.1	<1	35	10.5	<0.1
1428402	Drill Core	0.123	6.2	105	3.58	46	0.352	7.28	1.750	0.21	0.4	21.0	12	0.8	10.9	0.8	<0.1	<1	26	11.6	0.4
1428403	Drill Core	0.066	4.3	118	4.01	176	0.414	8.17	2.891	0.75	0.1	23.1	11	0.7	11.5	0.9	<0.1	<1	32	11.0	0.1
1428404	Drill Core	0.070	5.0	102	4.48	221	0.468	8.18	2.342	0.76	0.2	22.6	11	0.6	11.0	0.9	<0.1	<1	40	11.7	0.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428375	Drill Core	12.5	0.9	<0.05	0.048	<1	0.6	<0.5	
1428376	Drill Core	17.6	0.9	<0.05	0.034	<1	0.8	<0.5	
1428377	Drill Core	16.1	1.1	<0.05	<0.005	<1	0.6	<0.5	
1428378	Drill Core	20.9	0.8	0.07	0.041	3	<0.5	<0.5	
1428379	Drill Core	19.5	1.0	<0.05	0.059	2	1.0	<0.5	
1428380	Drill Core	13.0	1.1	<0.05	0.016	3	0.6	<0.5	
1428381	Drill Core	19.1	0.8	<0.05	0.059	2	<0.5	<0.5	
1428382	Drill Core	8.6	0.7	0.06	0.131	15	<0.5	<0.5	1.51
1428383	Drill Core	30.2	0.7	0.06	<0.005	<1	1.7	<0.5	
1428384	Drill Core	26.3	0.7	<0.05	<0.005	<1	4.3	<0.5	
1428385	Drill Core	14.4	0.7	<0.05	0.099	4	1.7	<0.5	
1428386	Drill Core	17.3	0.7	0.07	0.044	3	0.7	<0.5	
1428387	Drill Core	18.9	0.5	<0.05	0.010	3	2.3	<0.5	
1428388	Drill Core	13.7	0.4	0.11	0.006	5	2.4	<0.5	
1428389	Drill Core	17.9	0.5	<0.05	0.007	2	2.0	<0.5	
1428390	Drill Core	13.0	0.3	<0.05	0.009	6	0.6	<0.5	
1428391	Drill Core	19.9	0.4	0.06	<0.005	3	1.6	<0.5	
1428392	Drill Core	22.8	0.6	<0.05	<0.005	<1	1.2	<0.5	
1428393	Drill Core	6.5	0.6	0.15	0.011	<1	0.8	<0.5	
1428394	Drill Core	22.5	1.0	0.09	<0.005	<1	0.9	<0.5	
1428395	Drill Core	20.0	0.8	<0.05	<0.005	<1	1.0	<0.5	
1428396	Drill Core	22.9	1.1	0.06	<0.005	<1	1.5	<0.5	
1428397	Drill Core	17.6	1.1	0.09	<0.005	<1	3.0	<0.5	
1428398	Drill Core	18.9	0.9	0.09	<0.005	<1	1.9	<0.5	
1428399	Drill Core	20.8	0.9	0.05	<0.005	<1	1.4	<0.5	
1428400	Drill Core	23.8	0.9	<0.05	<0.005	<1	2.1	<0.5	
1428401	Drill Core	24.0	1.0	<0.05	<0.005	<1	3.8	<0.5	
1428402	Drill Core	5.7	0.6	0.06	<0.005	1	1.5	<0.5	
1428403	Drill Core	23.6	0.9	0.05	<0.005	<1	4.7	<0.5	
1428404	Drill Core	21.0	0.8	<0.05	<0.005	<1	2.1	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428405	Drill Core	5.04	0.036	0.2	520.6	1.2	60	0.1	57.7	37.2	1386	7.94	<1	0.5	0.9	428	<0.1	0.3	<0.1	340	8.12
1428406	Drill Core	4.88	0.014	<0.1	173.2	1.0	46	0.2	51.3	34.2	1080	6.94	2	0.4	0.8	411	<0.1	0.1	<0.1	308	7.73
1428407	Drill Core	4.75	0.013	0.2	86.2	1.1	54	<0.1	60.1	35.1	1284	7.02	<1	0.3	0.7	396	<0.1	0.2	<0.1	323	7.34
1428408	Drill Core	5.18	0.041	0.1	719.5	1.0	38	0.1	49.9	37.8	885	7.38	<1	0.4	1.0	354	<0.1	0.3	<0.1	308	6.60
1428409	Drill Core	4.83	0.095	0.3	1028.2	1.4	46	0.2	64.3	54.6	1272	9.17	3	0.4	0.9	416	<0.1	1.5	<0.1	355	7.60
1428410	Drill Core	4.33	0.102	<0.1	284.7	1.0	44	<0.1	76.8	32.2	1089	7.78	2	0.4	1.2	307	<0.1	0.2	<0.1	323	6.93
1428411	Drill Core	5.17	0.016	0.1	195.3	1.4	57	0.2	97.1	40.2	1186	6.30	3	0.6	1.3	359	<0.1	0.1	<0.1	284	7.90
1428412	Drill Core	4.46	0.016	0.2	150.9	1.1	56	0.1	76.1	34.7	1212	6.69	4	0.5	1.7	375	<0.1	0.2	<0.1	292	7.37
1428413	Drill Core	5.11	0.069	<0.1	415.4	1.4	51	<0.1	74.3	41.9	1248	7.33	3	0.5	1.2	362	<0.1	0.6	<0.1	313	7.07
1428414	Drill Core	4.77	0.020	0.2	177.5	1.2	56	0.1	67.0	42.8	1384	8.65	3	0.5	1.4	348	<0.1	0.2	<0.1	373	8.00
1428415	Drill Core	4.68	0.012	<0.1	188.5	1.1	56	0.1	63.6	35.4	1264	6.79	2	0.5	1.4	466	<0.1	0.2	<0.1	293	7.30
1428416	Drill Core	4.45	0.034	0.1	464.9	1.2	48	<0.1	57.5	42.7	1185	7.12	3	0.5	1.1	467	<0.1	0.4	<0.1	308	7.09
1428417	Drill Core	5.28	0.029	1.1	270.0	1.1	45	0.1	61.3	36.0	986	9.09	4	0.5	0.8	337	0.1	<0.1	<0.1	306	6.75
1428418	Drill Core	3.96	0.013	0.2	141.8	1.0	42	<0.1	50.2	31.7	1102	6.68	4	0.5	0.9	419	<0.1	0.1	<0.1	298	6.71
1428419	Drill Core	4.97	0.006	<0.1	108.0	1.2	46	<0.1	54.5	29.4	1170	7.91	1	0.4	0.7	384	<0.1	0.2	<0.1	344	6.41
1428420	Drill Core	4.32	0.034	0.2	161.0	1.4	38	<0.1	40.1	32.8	991	7.86	6	0.5	0.7	345	<0.1	0.5	<0.1	352	6.21
1428421	Drill Core	4.46	0.009	0.1	70.9	1.3	38	<0.1	45.4	27.4	1051	6.75	3	0.4	0.7	334	<0.1	0.5	<0.1	310	6.81
1428422	Drill Core	3.93	0.006	<0.1	51.6	1.0	31	<0.1	46.8	28.3	888	7.48	3	0.5	0.6	356	<0.1	0.2	<0.1	396	6.27
1428428	Drill Core	4.12	0.005	0.1	78.2	2.3	29	<0.1	50.7	23.3	777	6.44	3	0.5	0.6	230	<0.1	0.3	<0.1	307	7.09
1428429	Drill Core	4.75	0.070	<0.1	55.5	1.1	32	0.2	88.4	34.8	1078	6.63	4	0.3	0.6	265	<0.1	0.5	<0.1	318	6.61
1428430	Drill Core	4.94	<0.005	0.2	69.1	1.0	34	0.2	89.0	33.2	1078	6.65	3	0.3	0.7	263	<0.1	0.3	<0.1	280	6.50
1428431	Drill Core	4.98	<0.005	0.2	82.9	1.3	29	<0.1	94.1	33.9	849	9.68	3	0.2	0.4	191	<0.1	0.1	<0.1	480	6.81
1428432	Drill Core	7.91	<0.005	<0.1	60.1	1.2	34	<0.1	57.4	25.1	976	7.81	3	0.3	0.6	194	<0.1	0.3	<0.1	406	6.29
1428435	Drill Core	1.40	0.026	<0.1	78.3	1.3	38	0.2	86.0	37.0	1527	10.37	2	0.3	0.4	326	<0.1	2.0	<0.1	569	8.19
1428438	Drill Core	7.03	0.062	0.1	632.5	8.2	33	0.1	60.2	50.6	931	10.82	7	0.3	0.7	239	<0.1	0.7	<0.1	657	8.25
1428439	Drill Core	6.84	0.026	<0.1	393.4	1.0	35	0.1	198.7	39.0	791	8.88	5	0.2	0.6	103	<0.1	0.2	<0.1	550	6.89
1428440	Drill Core	5.83	0.043	<0.1	460.7	0.9	26	<0.1	143.1	34.6	663	10.99	4	0.4	0.9	155	0.1	<0.1	<0.1	522	6.69
1428441	Drill Core	3.03	<0.005	0.1	56.7	0.7	30	0.1	434.1	41.8	791	6.91	3	0.2	0.9	58	<0.1	<0.1	<0.1	364	7.40
1428442	Drill Core	5.62	0.008	0.1	49.4	1.2	27	0.1	39.6	25.0	625	7.32	3	0.3	0.6	280	<0.1	<0.1	<0.1	510	7.90
1428443	Drill Core	6.36	<0.005	<0.1	24.1	1.1	31	<0.1	33.3	22.3	754	5.29	1	0.3	0.6	328	<0.1	<0.1	<0.1	341	8.73

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428405	Drill Core	0.065	5.5	123	4.46	218	0.442	8.01	1.863	0.69	0.1	21.5	11	0.5	11.0	0.7	<0.1	<1	40	13.2	<0.1
1428406	Drill Core	0.063	4.8	122	4.11	223	0.436	7.77	2.345	0.65	0.2	24.4	11	0.4	11.4	0.9	<0.1	<1	37	9.8	<0.1
1428407	Drill Core	0.052	4.8	139	4.56	228	0.437	7.39	2.323	0.63	0.1	23.9	11	0.4	11.2	1.0	<0.1	<1	40	11.3	<0.1
1428408	Drill Core	0.069	4.9	125	4.50	181	0.441	7.83	2.823	0.57	0.1	26.4	12	0.8	12.2	1.1	<0.1	<1	37	8.3	0.2
1428409	Drill Core	0.058	5.8	178	4.58	140	0.454	7.77	2.320	0.48	0.1	30.4	14	0.8	12.4	1.2	<0.1	<1	35	9.6	0.4
1428410	Drill Core	0.081	5.0	242	5.25	144	0.457	7.16	2.342	0.50	0.1	29.9	13	0.6	11.5	1.2	<0.1	<1	37	10.7	<0.1
1428411	Drill Core	0.082	5.5	267	5.52	213	0.487	7.51	1.905	0.64	0.2	27.4	13	0.5	13.1	1.2	<0.1	<1	41	12.5	<0.1
1428412	Drill Core	0.102	7.0	181	4.71	240	0.468	7.83	2.426	0.64	<0.1	24.9	15	0.4	12.6	1.1	<0.1	<1	35	11.1	<0.1
1428413	Drill Core	0.084	6.6	186	4.79	201	0.471	7.70	2.315	0.62	0.2	26.7	15	0.5	11.8	1.0	<0.1	<1	33	12.1	0.2
1428414	Drill Core	0.114	6.2	142	4.38	191	0.469	7.51	1.797	0.53	0.1	27.3	15	0.5	13.3	1.1	<0.1	<1	31	11.0	0.2
1428415	Drill Core	0.133	8.0	172	4.47	234	0.483	7.76	2.467	0.62	0.1	25.7	18	0.5	14.3	1.1	<0.1	<1	34	11.9	<0.1
1428416	Drill Core	0.099	6.1	121	4.22	193	0.456	7.73	2.314	0.49	0.2	23.7	14	0.4	11.5	1.0	<0.1	<1	32	12.9	0.2
1428417	Drill Core	0.081	6.9	169	4.43	189	0.454	7.69	2.537	0.52	0.3	27.1	14	0.7	13.1	1.1	<0.1	1	36	8.0	<0.1
1428418	Drill Core	0.103	4.6	136	3.99	222	0.473	8.20	2.904	0.66	0.2	24.0	11	0.6	12.7	1.0	<0.1	<1	32	9.0	<0.1
1428419	Drill Core	0.094	4.2	131	4.03	191	0.454	8.10	2.782	0.59	0.2	23.6	10	0.4	12.2	1.0	<0.1	<1	33	11.4	<0.1
1428420	Drill Core	0.098	5.0	102	3.31	158	0.461	8.28	3.067	0.51	0.2	23.6	12	0.5	10.7	0.8	<0.1	<1	27	10.3	0.1
1428421	Drill Core	0.092	4.3	121	3.70	134	0.445	7.82	2.849	0.45	0.2	22.9	10	0.5	10.9	0.9	<0.1	<1	30	11.3	<0.1
1428422	Drill Core	0.086	4.8	132	4.09	160	0.495	7.84	2.875	0.54	0.2	22.5	11	0.8	12.7	1.0	<0.1	<1	32	10.3	<0.1
1428428	Drill Core	0.073	4.7	165	4.33	83	0.418	7.81	2.501	0.36	0.3	18.4	10	0.7	11.1	0.8	<0.1	<1	31	11.6	<0.1
1428429	Drill Core	0.081	3.8	291	5.33	83	0.421	7.01	1.939	0.37	0.5	15.7	10	0.5	11.5	0.8	<0.1	<1	35	11.8	0.1
1428430	Drill Core	0.081	3.9	281	5.26	123	0.444	7.28	2.473	0.46	0.4	17.4	10	0.5	12.2	0.9	<0.1	<1	36	13.7	<0.1
1428431	Drill Core	0.075	2.8	379	6.13	89	0.389	6.57	1.649	0.41	0.2	17.5	8	0.8	11.0	0.8	<0.1	<1	37	9.2	<0.1
1428432	Drill Core	0.132	3.9	218	4.91	64	0.363	7.15	2.743	0.29	0.2	14.9	10	0.5	10.9	0.9	<0.1	<1	29	14.9	<0.1
1428435	Drill Core	0.075	7.1	443	6.15	10	0.363	5.79	1.014	0.12	0.3	17.1	13	0.9	10.8	0.6	<0.1	<1	39	8.0	0.2
1428438	Drill Core	0.377	4.2	178	5.54	28	0.330	5.10	1.000	0.18	0.2	14.1	9	0.5	9.8	0.7	<0.1	<1	28	9.6	0.4
1428439	Drill Core	0.097	3.5	639	7.70	35	0.347	5.70	1.199	0.24	<0.1	12.7	11	0.7	9.1	0.7	<0.1	<1	33	10.0	<0.1
1428440	Drill Core	0.146	3.8	362	5.38	37	0.358	6.49	1.937	0.16	<0.1	21.5	10	0.5	9.9	1.0	<0.1	<1	25	12.3	<0.1
1428441	Drill Core	0.085	4.9	698	9.66	31	0.328	5.81	0.838	0.19	<0.1	12.8	13	0.6	8.0	0.7	<0.1	<1	36	17.8	<0.1
1428442	Drill Core	0.076	4.0	80	3.73	118	0.483	7.91	1.686	0.47	<0.1	17.0	11	0.5	10.0	0.9	<0.1	<1	27	12.6	<0.1
1428443	Drill Core	0.088	3.7	87	3.84	151	0.480	8.27	1.841	0.57	<0.1	19.4	10	0.4	10.5	0.9	<0.1	<1	32	14.5	<0.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428405	Drill Core	19.6	0.7	<0.05	<0.005	<1	1.7	<0.5	
1428406	Drill Core	18.3	0.8	<0.05	0.006	<1	3.4	<0.5	
1428407	Drill Core	15.4	0.8	<0.05	<0.005	<1	3.1	<0.5	
1428408	Drill Core	14.6	1.0	0.10	<0.005	<1	3.2	<0.5	
1428409	Drill Core	11.1	1.0	0.12	<0.005	4	4.3	<0.5	
1428410	Drill Core	11.0	0.9	0.10	<0.005	2	4.9	<0.5	
1428411	Drill Core	15.3	1.0	<0.05	<0.005	3	2.4	<0.5	
1428412	Drill Core	13.5	0.9	0.10	<0.005	<1	5.0	<0.5	
1428413	Drill Core	12.3	0.8	<0.05	<0.005	2	3.8	<0.5	
1428414	Drill Core	11.3	1.0	<0.05	<0.005	2	2.8	<0.5	
1428415	Drill Core	12.5	1.0	<0.05	0.006	<1	8.4	<0.5	
1428416	Drill Core	9.9	0.7	0.06	0.006	<1	2.4	<0.5	
1428417	Drill Core	12.0	0.9	0.06	0.034	1	1.1	<0.5	
1428418	Drill Core	13.1	0.8	0.08	<0.005	<1	1.8	<0.5	
1428419	Drill Core	11.2	0.8	0.06	<0.005	<1	1.1	<0.5	
1428420	Drill Core	8.9	0.7	<0.05	<0.005	<1	2.2	<0.5	
1428421	Drill Core	9.1	0.9	<0.05	<0.005	<1	2.5	<0.5	
1428422	Drill Core	12.4	0.9	0.07	0.006	<1	2.9	<0.5	
1428428	Drill Core	9.9	0.7	0.09	<0.005	<1	3.8	<0.5	
1428429	Drill Core	8.9	0.5	0.07	0.007	<1	3.5	<0.5	
1428430	Drill Core	11.8	0.6	0.05	<0.005	<1	4.0	<0.5	
1428431	Drill Core	8.6	0.6	0.09	<0.005	<1	3.6	<0.5	
1428432	Drill Core	8.5	0.5	<0.05	<0.005	<1	1.9	<0.5	
1428435	Drill Core	1.0	0.6	0.09	<0.005	<1	4.4	<0.5	
1428438	Drill Core	4.5	0.5	0.12	<0.005	<1	3.4	<0.5	
1428439	Drill Core	4.1	0.4	0.10	<0.005	<1	4.4	<0.5	
1428440	Drill Core	3.0	0.7	<0.05	<0.005	<1	5.0	<0.5	
1428441	Drill Core	3.4	0.4	0.09	<0.005	<1	5.3	<0.5	
1428442	Drill Core	13.8	0.6	<0.05	<0.005	<1	0.7	<0.5	
1428443	Drill Core	17.0	0.8	<0.05	<0.005	<1	3.4	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
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Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428501	Drill Core	5.05	0.029	0.2	80.5	3.3	42	0.2	73.1	43.3	1442	9.57	8	0.3	0.6	158	<0.1	0.4	<0.1	304	6.13
1428502	Drill Core	4.87	0.023	0.9	154.6	1.8	45	0.1	53.2	45.1	1074	8.54	4	0.6	0.7	275	<0.1	0.3	<0.1	274	4.86
1428503	Drill Core	3.60	0.093	18.3	535.4	2.0	53	0.3	74.7	84.9	1241	12.66	8	1.1	0.9	193	<0.1	0.2	<0.1	292	3.74
1428504	Drill Core	4.78	0.069	2.2	37.9	0.6	33	0.1	69.9	29.3	967	9.14	3	0.6	0.9	256	<0.1	0.2	<0.1	310	5.51
1428505	Drill Core	4.31	0.032	3.4	102.8	1.2	32	<0.1	25.6	32.7	877	6.61	<1	1.6	1.4	347	<0.1	0.2	<0.1	243	4.64
1428506	Drill Core	4.39	0.165	2.0	124.3	1.5	44	0.2	53.2	37.2	1181	8.87	3	0.8	0.7	226	<0.1	0.3	<0.1	297	5.68
1428507	Drill Core	5.27	0.033	7.8	78.5	1.8	51	<0.1	55.4	29.1	1243	8.44	5	0.7	0.7	211	0.2	1.1	<0.1	297	6.28
1428508	Drill Core	4.53	0.035	9.3	91.5	0.9	38	<0.1	49.5	56.5	1308	7.87	2	1.3	1.1	287	<0.1	0.4	<0.1	278	4.82
1428509	Drill Core	4.77	0.059	3.4	1031.4	4.8	52	0.6	50.3	205.7	1958	11.40	8	0.7	0.8	175	<0.1	0.6	0.3	292	5.25
1428510	Drill Core	3.27	0.015	6.6	41.3	2.0	64	<0.1	43.4	86.4	2039	9.09	7	1.1	0.8	287	0.1	0.4	<0.1	320	4.76
1428511	Drill Core	3.30	0.087	2.8	381.5	2.3	49	0.2	25.5	84.0	2567	9.10	8	1.8	1.2	277	<0.1	1.0	<0.1	278	4.94
1428512	Drill Core	5.13	0.013	1.5	74.8	1.1	41	<0.1	83.8	43.0	1121	8.71	4	0.6	1.0	290	<0.1	0.2	<0.1	303	6.00
1428513	Drill Core	4.31	0.024	1.5	299.3	1.2	42	0.1	56.5	34.9	1061	7.78	3	1.1	1.1	318	<0.1	0.3	<0.1	271	6.38
1428514	Drill Core	4.53	0.020	3.2	165.3	1.0	41	0.1	38.8	43.6	1213	7.98	4	0.9	0.7	331	<0.1	0.2	<0.1	287	5.34
1428515	Drill Core	4.19	0.055	6.7	199.9	1.1	51	0.2	78.2	54.8	1802	10.20	4	0.5	0.9	213	0.1	0.4	<0.1	275	5.45
1428516	Drill Core	3.97	0.058	2.1	362.6	0.8	45	0.1	47.4	34.7	1695	8.60	4	0.6	0.7	278	<0.1	0.2	<0.1	299	5.84
1428517	Drill Core	4.75	0.028	2.3	117.8	0.5	39	<0.1	41.7	27.5	1215	7.74	2	0.8	0.9	352	<0.1	0.2	<0.1	296	5.93
1428518	Drill Core	4.00	0.026	5.0	213.2	2.4	50	0.1	45.6	56.7	2220	8.91	5	0.7	0.8	286	<0.1	0.5	<0.1	288	5.25
1428519	Drill Core	4.38	0.063	2.9	331.7	1.4	47	0.2	44.9	44.8	2210	7.66	3	1.0	0.9	165	<0.1	0.5	<0.1	248	6.40
1428520	Drill Core	3.56	0.099	2.0	879.7	1.8	56	0.3	57.7	47.5	1789	9.55	4	1.0	1.1	205	<0.1	0.3	<0.1	302	5.04
1428521	Drill Core	4.17	0.150	15.3	599.6	2.0	42	0.2	45.0	60.5	1141	7.49	<1	1.4	2.1	337	0.1	0.5	<0.1	218	5.02
1428522	Drill Core	4.80	0.107	13.9	559.8	1.4	47	0.2	32.8	41.9	1181	8.52	3	1.5	1.5	325	<0.1	0.4	<0.1	302	5.66
1428523	Drill Core	4.52	0.038	8.3	471.7	1.7	60	0.2	27.6	73.0	1217	8.22	2	2.7	1.2	413	0.2	0.2	<0.1	268	4.43
1428524	Drill Core	3.82	0.032	6.7	1081.5	1.7	161	0.4	21.6	51.7	1733	9.04	3	1.6	1.4	262	0.6	0.6	<0.1	333	5.30
1428525	Drill Core	4.33	0.035	29.5	727.3	5.0	37	0.3	34.6	100.3	977	7.39	3	1.5	1.8	228	0.1	0.3	<0.1	225	4.59
1428526	Drill Core	5.03	0.036	3.5	913.3	3.7	50	0.6	46.7	98.9	1556	9.16	4	1.1	1.0	245	<0.1	0.6	0.1	272	5.08
1428527	Drill Core	4.55	0.033	0.4	417.1	1.5	47	0.2	100.6	42.7	1386	9.60	2	0.4	0.5	260	<0.1	0.5	<0.1	334	6.74
1428528	Drill Core	4.99	0.019	0.7	273.3	1.6	53	0.1	116.2	59.2	1542	9.95	1	0.4	0.7	185	<0.1	0.4	<0.1	318	6.35
1428529	Drill Core	5.07	0.060	1.5	666.1	1.1	50	0.2	108.9	77.3	1119	11.77	3	0.4	0.5	167	0.1	0.2	<0.1	328	6.82
1428530	Drill Core	4.07	0.010	0.6	141.5	4.8	58	<0.1	159.5	37.7	1221	6.80	<1	0.5	0.9	398	0.1	0.2	<0.1	246	8.85

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428501	Drill Core	0.054	3.0	271	5.23	317	0.418	6.79	1.302	0.92	0.4	18.8	6	0.6	10.2	0.9	<0.1	<1	48	19.3	0.6
1428502	Drill Core	0.073	4.2	205	3.94	312	0.434	7.68	2.348	1.03	0.3	20.7	9	0.7	10.4	1.1	<0.1	<1	33	19.3	0.8
1428503	Drill Core	0.098	16.2	232	4.59	390	0.471	7.60	1.588	1.30	0.3	20.4	23	0.7	9.5	1.3	<0.1	<1	33	22.4	2.1
1428504	Drill Core	0.100	6.9	250	5.20	294	0.483	7.61	1.781	1.28	<0.1	21.6	13	0.9	11.8	1.2	<0.1	<1	40	16.7	0.2
1428505	Drill Core	0.110	9.4	41	2.93	396	0.412	8.47	3.817	1.18	0.5	30.6	18	1.1	18.2	1.7	<0.1	<1	24	12.4	0.4
1428506	Drill Core	0.075	6.6	194	4.53	262	0.421	7.35	1.653	1.06	0.4	19.0	11	0.8	12.2	1.0	<0.1	<1	40	18.8	0.6
1428507	Drill Core	0.080	5.2	195	4.44	549	0.415	7.06	1.263	1.41	0.3	18.0	10	0.7	10.7	1.0	<0.1	<1	40	20.1	0.3
1428508	Drill Core	0.104	6.5	168	3.90	1213	0.427	7.70	2.514	1.66	0.3	25.7	13	0.7	13.3	1.3	<0.1	<1	30	17.3	0.4
1428509	Drill Core	0.098	8.6	169	4.06	497	0.390	6.82	1.016	1.20	0.4	15.2	14	0.6	9.9	0.8	<0.1	<1	38	22.5	1.7
1428510	Drill Core	0.107	11.6	90	3.62	428	0.421	8.16	2.611	1.07	0.7	25.1	19	0.9	13.1	1.4	<0.1	<1	29	18.3	0.6
1428511	Drill Core	0.138	7.3	56	2.67	428	0.371	8.54	3.135	1.05	0.6	41.3	15	1.1	14.5	1.4	<0.1	<1	25	11.0	0.5
1428512	Drill Core	0.107	6.1	197	4.73	286	0.390	7.86	2.206	1.12	0.2	26.0	14	0.6	12.5	1.3	<0.1	<1	32	16.4	0.3
1428513	Drill Core	0.111	7.8	118	3.65	283	0.367	8.28	2.472	1.21	0.3	36.3	16	0.8	13.9	1.4	<0.1	<1	25	16.5	0.3
1428514	Drill Core	0.087	9.6	64	3.14	353	0.392	8.71	2.836	1.17	0.4	25.2	16	0.6	12.7	1.2	<0.1	<1	25	17.3	0.6
1428515	Drill Core	0.114	7.9	234	4.82	234	0.363	7.31	1.996	0.81	0.5	23.9	14	0.8	11.1	1.4	<0.1	<1	32	21.7	0.8
1428516	Drill Core	0.086	7.6	112	3.70	319	0.403	8.38	2.773	0.94	0.5	18.9	13	1.0	12.4	1.2	<0.1	<1	31	14.5	0.3
1428517	Drill Core	0.098	7.7	107	3.60	308	0.395	8.25	2.778	1.08	0.6	33.1	16	0.6	13.1	1.5	<0.1	<1	27	14.5	0.2
1428518	Drill Core	0.083	5.8	105	3.68	910	0.376	8.25	2.315	1.60	0.6	23.1	12	0.6	11.2	1.1	<0.1	<1	34	19.2	0.5
1428519	Drill Core	0.110	9.0	84	3.04	349	0.368	8.38	2.844	0.98	1.0	27.9	17	0.9	13.7	1.2	<0.1	<1	24	12.7	0.4
1428520	Drill Core	0.110	10.5	206	4.47	246	0.408	7.96	2.601	0.79	0.6	34.4	19	0.8	13.3	1.2	<0.1	<1	37	21.4	0.6
1428521	Drill Core	0.146	25.9	73	2.74	322	0.387	8.70	3.482	1.09	0.5	37.0	39	1.3	16.5	1.7	0.1	<1	22	13.1	1.2
1428522	Drill Core	0.132	11.5	71	3.53	434	0.437	8.59	2.735	1.19	0.4	32.0	20	1.2	14.6	1.4	<0.1	<1	29	19.8	0.6
1428523	Drill Core	0.135	148.6	29	3.12	350	0.432	9.17	3.453	1.00	0.9	31.0	186	0.8	18.4	1.3	<0.1	<1	21	16.3	1.2
1428524	Drill Core	0.124	19.3	67	3.83	366	0.397	8.19	2.739	0.91	0.6	35.3	29	1.2	13.4	1.2	<0.1	<1	34	17.7	0.4
1428525	Drill Core	0.128	21.9	48	2.55	544	0.355	8.95	3.963	0.95	0.8	37.5	33	1.4	14.1	1.5	<0.1	<1	21	16.5	1.3
1428526	Drill Core	0.095	9.0	105	3.46	290	0.397	8.41	2.857	0.98	3.0	32.7	17	1.2	13.3	1.2	<0.1	<1	29	16.7	1.2
1428527	Drill Core	0.058	3.6	316	5.91	442	0.438	7.04	1.463	1.35	0.4	19.1	7	1.3	10.2	0.8	<0.1	<1	51	17.2	0.2
1428528	Drill Core	0.067	3.4	378	6.64	214	0.400	6.43	1.696	0.67	0.4	25.5	8	1.1	10.9	0.9	<0.1	<1	52	17.2	0.3
1428529	Drill Core	0.049	2.6	356	6.06	254	0.409	6.38	1.464	0.83	0.2	20.3	6	1.0	9.5	0.9	<0.1	<1	49	17.2	0.4
1428530	Drill Core	0.147	6.4	428	4.21	816	0.460	6.15	1.296	1.78	0.8	41.2	14	0.8	13.8	3.1	0.2	<1	32	11.2	<0.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428501	Drill Core	24.7	0.7	0.17	<0.005	<1	2.5	<0.5	
1428502	Drill Core	28.4	0.8	0.11	0.013	<1	1.7	<0.5	
1428503	Drill Core	34.3	0.9	0.09	0.096	<1	1.5	<0.5	
1428504	Drill Core	44.7	0.9	0.15	0.010	<1	2.3	<0.5	
1428505	Drill Core	27.8	1.1	0.10	0.039	<1	1.7	<0.5	
1428506	Drill Core	32.4	0.8	0.13	0.020	<1	2.6	<0.5	
1428507	Drill Core	38.1	0.7	0.06	0.008	<1	5.4	<0.5	
1428508	Drill Core	33.2	0.9	0.14	0.013	<1	1.4	<0.5	
1428509	Drill Core	33.9	0.6	0.23	0.007	<1	2.0	<0.5	
1428510	Drill Core	16.3	0.9	0.15	0.018	<1	1.1	<0.5	
1428511	Drill Core	20.6	1.4	0.11	0.014	<1	1.3	<0.5	
1428512	Drill Core	31.4	1.1	0.08	0.009	<1	1.9	<0.5	
1428513	Drill Core	24.8	1.1	0.10	<0.005	<1	1.4	<0.5	
1428514	Drill Core	24.8	0.9	0.07	0.010	<1	<0.5	<0.5	
1428515	Drill Core	21.4	0.8	0.14	0.018	<1	4.9	<0.5	
1428516	Drill Core	20.4	0.7	0.13	<0.005	<1	2.5	<0.5	
1428517	Drill Core	18.3	1.2	0.10	0.006	<1	3.5	<0.5	
1428518	Drill Core	25.8	0.8	0.07	0.012	<1	2.0	<0.5	
1428519	Drill Core	17.2	1.0	<0.05	0.026	<1	1.5	<0.5	
1428520	Drill Core	22.7	1.0	0.17	0.013	<1	1.9	<0.5	
1428521	Drill Core	26.0	1.3	0.11	0.046	1	2.0	<0.5	
1428522	Drill Core	22.0	1.2	0.09	0.020	<1	2.2	<0.5	
1428523	Drill Core	27.3	1.1	0.17	0.083	<1	0.9	<0.5	
1428524	Drill Core	21.4	1.2	0.13	0.035	<1	2.7	<0.5	
1428525	Drill Core	24.4	1.2	0.06	0.165	<1	1.1	<0.5	
1428526	Drill Core	25.2	1.1	0.12	0.008	1	0.8	<0.5	
1428527	Drill Core	33.5	0.7	0.08	<0.005	<1	3.5	<0.5	
1428528	Drill Core	16.1	0.9	0.10	0.016	<1	4.3	<0.5	
1428529	Drill Core	19.4	0.8	0.09	0.012	<1	6.5	<0.5	
1428530	Drill Core	38.0	1.3	<0.05	<0.005	<1	3.1	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428531	Drill Core	3.36	0.030	0.6	282.4	2.2	65	0.1	75.7	40.6	1413	8.00	2	0.6	0.9	283	<0.1	0.4	<0.1	309	6.53
1428532	Drill Core	4.47	0.024	1.1	149.7	2.0	59	<0.1	4.8	27.0	1533	5.97	<1	0.9	1.7	354	0.1	1.0	<0.1	230	4.55
1428533	Drill Core	3.70	0.035	0.4	183.8	1.0	54	<0.1	73.9	35.6	1659	8.15	2	0.6	0.9	276	<0.1	0.4	<0.1	313	5.63
1428534	Drill Core	5.00	0.058	2.4	263.5	1.4	54	0.1	84.8	36.8	1401	8.36	1	0.5	0.8	243	<0.1	0.1	<0.1	342	6.88

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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428531	Drill Core	0.087	7.7	218	4.48	401	0.411	7.60	2.606	1.23	0.6	36.5	16	0.9	13.5	1.2	<0.1	<1	40	14.3	0.1
1428532	Drill Core	0.181	6.9	3	1.76	1061	0.374	8.71	3.655	2.79	2.2	71.3	20	1.0	17.1	2.1	0.1	<1	17	11.4	0.1
1428533	Drill Core	0.100	9.2	209	4.66	186	0.434	7.63	2.912	0.60	0.6	56.0	18	0.9	13.4	1.5	<0.1	<1	38	15.1	0.1
1428534	Drill Core	0.064	4.8	249	5.26	229	0.404	7.06	2.392	0.75	0.2	27.6	10	0.7	12.0	1.1	<0.1	<1	43	14.8	<0.1

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

CERTIFICATE OF ANALYSIS WHI14000142.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428531	Drill Core	26.0	1.2	0.07	0.006	<1	4.6	<0.5	
1428532	Drill Core	30.3	2.1	0.05	0.006	<1	1.0	<0.5	
1428533	Drill Core	16.4	1.0	0.11	0.012	<1	3.3	<0.5	
1428534	Drill Core	21.8	0.9	0.08	0.017	<1	1.8	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

QUALITY CONTROL REPORT WHI14000142.1

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
1428381	Drill Core	6.25	0.503	0.3	7938.4	1.3	42	0.4	72.0	114.2	835	11.61	3	0.7	0.8	342	<0.1	0.3	<0.1	302	4.98
REP 1428381	QC			0.1	8036.3	1.2	42	0.6	73.8	118.7	842	11.72	3	0.6	0.8	345	<0.1	0.3	<0.1	302	5.00
1428382	Drill Core	3.78	1.286	0.6	>10000	2.4	42	1.2	342.0	269.9	1187	25.12	11	0.5	0.6	253	0.1	1.0	<0.1	446	4.26
REP 1428382	QC																				
1428388	Drill Core	4.75	0.350	0.2	6957.3	1.2	32	0.5	92.2	61.2	728	11.35	<1	0.4	0.3	359	<0.1	<0.1	<0.1	394	7.02
REP 1428388	QC		0.360																		
1428406	Drill Core	4.88	0.014	<0.1	173.2	1.0	46	0.2	51.3	34.2	1080	6.94	2	0.4	0.8	411	<0.1	0.1	<0.1	308	7.73
REP 1428406	QC		0.021																		
1428416	Drill Core	4.45	0.034	0.1	464.9	1.2	48	<0.1	57.5	42.7	1185	7.12	3	0.5	1.1	467	<0.1	0.4	<0.1	308	7.09
REP 1428416	QC			0.1	467.7	1.5	51	0.2	58.8	40.0	1237	7.34	4	0.5	1.1	500	<0.1	0.5	<0.1	313	7.40
1428520	Drill Core	3.56	0.099	2.0	879.7	1.8	56	0.3	57.7	47.5	1789	9.55	4	1.0	1.1	205	<0.1	0.3	<0.1	302	5.04
REP 1428520	QC		0.105																		
1428521	Drill Core	4.17	0.150	15.3	599.6	2.0	42	0.2	45.0	60.5	1141	7.49	<1	1.4	2.1	337	0.1	0.5	<0.1	218	5.02
REP 1428521	QC			16.2	641.1	1.9	48	0.3	47.7	63.9	1181	7.87	3	1.4	2.1	355	<0.1	0.5	<0.1	223	4.69
1428531	Drill Core	3.36	0.030	0.6	282.4	2.2	65	0.1	75.7	40.6	1413	8.00	2	0.6	0.9	283	<0.1	0.4	<0.1	309	6.53
REP 1428531	QC		0.030																		
Core Reject Duplicates																					
1428411	Drill Core	5.17	0.016	0.1	195.3	1.4	57	0.2	97.1	40.2	1186	6.30	3	0.6	1.3	359	<0.1	0.1	<0.1	284	7.90
DUP 1428411	QC		0.014	0.2	219.6	1.1	53	<0.1	87.7	34.6	1102	6.04	6	0.5	1.3	322	0.1	<0.1	<0.1	282	7.32
1428515	Drill Core	4.19	0.055	6.7	199.9	1.1	51	0.2	78.2	54.8	1802	10.20	4	0.5	0.9	213	0.1	0.4	<0.1	275	5.45
DUP 1428515	QC		0.041	6.5	238.9	1.1	55	0.2	74.9	51.5	1786	10.40	3	0.6	0.9	211	0.1	0.3	<0.1	281	5.22
Reference Materials																					
STD CCU-1C	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard			2.0	33.9	25.4	55	<0.1	47.8	7.2	468	6.59	10	2.7	14.1	46	<0.1	0.6	0.4	167	0.27
STD OREAS25A-4A	Standard			2.4	33.5	23.6	50	<0.1	42.5	7.8	478	6.47	12	2.6	14.2	44	0.1	0.6	0.4	168	0.30
STD OREAS25A-4A	Standard			2.2	33.7	22.3	53	<0.1	40.3	7.0	455	6.59	7	2.4	13.4	41	<0.1	0.6	0.3	172	0.30
STD OREAS45E	Standard			2.2	799.9	19.5	56	0.3	490.1	57.5	591	26.38	18	2.4	12.8	18	<0.1	1.0	0.3	343	0.09

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

QUALITY CONTROL REPORT WHI14000142.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																						
1428381	Drill Core		0.113	3.8	17	2.78	163	0.456	8.80	3.460	0.61	0.3	22.1	11	0.9	12.8	1.1	<0.1	<1	22	8.9	1.7
REP 1428381	QC		0.112	3.6	17	2.80	168	0.477	8.84	3.496	0.63	0.2	21.8	11	1.0	13.1	1.0	<0.1	<1	22	8.8	1.7
1428382	Drill Core		0.150	3.2	26	3.04	162	0.390	6.44	1.743	0.39	0.4	18.3	9	1.0	10.5	0.8	<0.1	<1	23	12.7	4.9
REP 1428382	QC																					
1428388	Drill Core		0.187	3.4	79	4.16	163	0.444	7.80	1.633	0.50	0.3	10.1	9	0.9	10.9	0.3	<0.1	<1	33	7.9	1.1
REP 1428388	QC																					
1428406	Drill Core		0.063	4.8	122	4.11	223	0.436	7.77	2.345	0.65	0.2	24.4	11	0.4	11.4	0.9	<0.1	<1	37	9.8	<0.1
REP 1428406	QC																					
1428416	Drill Core		0.099	6.1	121	4.22	193	0.456	7.73	2.314	0.49	0.2	23.7	14	0.4	11.5	1.0	<0.1	<1	32	12.9	0.2
REP 1428416	QC		0.112	6.4	116	4.41	212	0.458	8.03	2.428	0.52	0.2	25.4	14	0.5	11.8	1.0	<0.1	1	32	11.1	0.2
1428520	Drill Core		0.110	10.5	206	4.47	246	0.408	7.96	2.601	0.79	0.6	34.4	19	0.8	13.3	1.2	<0.1	<1	37	21.4	0.6
REP 1428520	QC																					
1428521	Drill Core		0.146	25.9	73	2.74	322	0.387	8.70	3.482	1.09	0.5	37.0	39	1.3	16.5	1.7	0.1	<1	22	13.1	1.2
REP 1428521	QC		0.146	27.8	78	2.94	325	0.406	8.99	3.599	1.13	0.6	37.7	43	1.2	17.4	1.7	0.1	<1	22	13.3	1.1
1428531	Drill Core		0.087	7.7	218	4.48	401	0.411	7.60	2.606	1.23	0.6	36.5	16	0.9	13.5	1.2	<0.1	<1	40	14.3	0.1
REP 1428531	QC																					
Core Reject Duplicates																						
1428411	Drill Core		0.082	5.5	267	5.52	213	0.487	7.51	1.905	0.64	0.2	27.4	13	0.5	13.1	1.2	<0.1	<1	41	12.5	<0.1
DUP 1428411	QC		0.079	5.6	236	5.13	213	0.478	7.18	2.174	0.64	<0.1	27.5	13	0.6	12.6	1.1	<0.1	<1	39	12.8	<0.1
1428515	Drill Core		0.114	7.9	234	4.82	234	0.363	7.31	1.996	0.81	0.5	23.9	14	0.8	11.1	1.4	<0.1	<1	32	21.7	0.8
DUP 1428515	QC		0.112	8.4	227	4.93	236	0.366	7.39	2.115	0.81	0.4	23.8	14	0.8	11.3	1.4	<0.1	<1	33	20.4	0.7
Reference Materials																						
STD CCU-1C	Standard																					
STD OREAS134B	Standard																					
STD OREAS25A-4A	Standard		0.053	17.2	101	0.35	151	0.997	9.09	0.147	0.53	1.8	155.4	43	4.1	9.7	20.3	1.4	1	14	40.9	<0.1
STD OREAS25A-4A	Standard		0.049	20.9	113	0.33	143	0.935	8.83	0.115	0.47	1.5	146.7	47	3.8	10.0	19.0	1.3	1	14	39.5	<0.1
STD OREAS25A-4A	Standard		0.047	18.6	116	0.30	138	0.972	8.86	0.111	0.45	1.9	144.7	43	3.8	9.7	19.4	1.3	<1	14	35.7	<0.1
STD OREAS45E	Standard		0.036	10.8	963	0.17	260	0.482	7.25	0.059	0.39	1.0	105.0	25	1.4	8.6	6.9	0.5	<1	99	8.2	<0.1

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

QUALITY CONTROL REPORT WHI14000142.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
	Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
Pulp Duplicates									
1428381	Drill Core	19.1	0.8	<0.05	0.059	2	<0.5	<0.5	
REP 1428381	QC	19.4	0.8	0.08	0.058	5	1.0	<0.5	
1428382	Drill Core	8.6	0.7	0.06	0.131	15	<0.5	<0.5	1.51
REP 1428382	QC								1.52
1428388	Drill Core	13.7	0.4	0.11	0.006	5	2.4	<0.5	
REP 1428388	QC								
1428406	Drill Core	18.3	0.8	<0.05	0.006	<1	3.4	<0.5	
REP 1428406	QC								
1428416	Drill Core	9.9	0.7	0.06	0.006	<1	2.4	<0.5	
REP 1428416	QC	9.7	0.9	0.06	0.005	<1	2.7	<0.5	
1428520	Drill Core	22.7	1.0	0.17	0.013	<1	1.9	<0.5	
REP 1428520	QC								
1428521	Drill Core	26.0	1.3	0.11	0.046	1	2.0	<0.5	
REP 1428521	QC	28.5	1.3	0.09	0.063	2	1.6	<0.5	
1428531	Drill Core	26.0	1.2	0.07	0.006	<1	4.6	<0.5	
REP 1428531	QC								
Core Reject Duplicates									
1428411	Drill Core	15.3	1.0	<0.05	<0.005	3	2.4	<0.5	
DUP 1428411	QC	15.0	0.8	<0.05	<0.005	1	2.7	<0.5	
1428515	Drill Core	21.4	0.8	0.14	0.018	<1	4.9	<0.5	
DUP 1428515	QC	24.0	0.8	0.19	0.008	<1	1.3	<0.5	
Reference Materials									
STD CCU-1C	Standard								25.47
STD OREAS134B	Standard								0.13
STD OREAS25A-4A	Standard	55.7	4.0	0.11	<0.005	4	<0.5	<0.5	
STD OREAS25A-4A	Standard	58.0	3.9	0.11	<0.005	3	<0.5	<0.5	
STD OREAS25A-4A	Standard	53.9	3.8	<0.05	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	22.4	3.1	0.11	0.007	3	<0.5	<0.5	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

QUALITY CONTROL REPORT WHI14000142.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS45E	Standard			2.3	786.8	17.0	46	0.3	471.6	54.9	539	24.68	17	2.2	11.6	15	<0.1	0.9	0.3	325	0.09
STD OREAS45E	Standard			2.7	821.6	18.4	52	0.3	489.5	58.6	565	25.87	17	2.4	12.6	16	<0.1	1.0	0.3	340	0.11
STD OXD108	Standard		0.408																		
STD OXD108	Standard		0.410																		
STD OXI121	Standard		1.801																		
STD OXI121	Standard		1.803																		
STD OXN117	Standard		7.692																		
STD OXN117	Standard		7.712																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD CCU-1C Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.1	<0.1	<1	<0.1	0.2	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.2	<0.1	<1	<0.1	0.1	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank		<0.005	0.2	5.4	23.0	75	<0.1	3.1	4.7	742	2.41	<1	2.9	8.5	725	0.1	0.2	0.2	52	2.56
G1-WHI	Prep Blank		<0.005	0.1	4.7	21.3	61	<0.1	3.4	4.9	716	2.29	<1	3.0	7.6	660	<0.1	<0.1	0.1	50	2.27

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

QUALITY CONTROL REPORT WHI14000142.1

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OREAS45E	Standard	0.029	9.9	936	0.15	230	0.528	6.74	0.049	0.32	0.8	89.9	23	1.2	7.7	5.9	0.5	<1	95	7.1	<0.1
STD OREAS45E	Standard	0.034	10.9	1081	0.16	252	0.570	6.95	0.056	0.32	1.1	103.0	23	1.2	8.1	6.4	0.5	<1	99	7.6	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD CCU-1C Expected																					
STD OREAS134B Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	1	<0.01	<1	0.003	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.1	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	0.005	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.4	<0.1
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank	0.084	25.1	8	0.69	1180	0.251	7.57	2.798	2.94	0.2	11.4	54	1.7	15.5	26.7	1.4	3	5	39.6	<0.1
G1-WHI	Prep Blank	0.073	21.5	8	0.56	1043	0.239	7.28	2.767	2.71	0.4	10.9	49	1.7	13.4	24.7	1.2	4	5	37.5	<0.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 16, 2014

QUALITY CONTROL REPORT WHI14000142.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
STD OREAS45E	Standard	18.8	2.5	0.08	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	21.2	2.8	<0.05	<0.005	1	<0.5	<0.5	
STD OXD108	Standard								
STD OXD108	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXD108 Expected									
STD OXN117 Expected									
STD OXI121 Expected									
STD OREAS25A-4A		61	4.53					0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	
STD CCU-1C Expected									25.62
STD OREAS134B Expected									0.1348
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	0.2	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	0.2	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								<0.01
Prep Wash									
G1-WHI	Prep Blank	114.2	0.6	<0.05	<0.005	<1	<0.5	1.0	
G1-WHI	Prep Blank	110.7	0.6	0.07	<0.005	<1	<0.5	1.1	

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ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 27-SEP-2014
Account: TRCAD

CERTIFICATE VA14140192

This report is for 14 Pulp samples submitted to our lab in Vancouver, BC, Canada on 25-SEP-2014.

The following have access to data associated with this certificate:

ERIK OSTENSOE	FARSHAD SHIRVANI	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-QC	QC Test on Received Samples

ANALYTICAL PROCEDURES

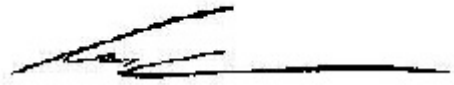
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-ICP61a	High Grade Four Acid ICP-AES	ICP-AES

To: **TERRACAD GEOSCIENCE**
ATTN: ERIK OSTENSOE
310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 27-SEP-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14140192

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP61a Ag ppm 1	ME-ICP61a Al % 0.05	ME-ICP61a As ppm 50	ME-ICP61a Ba ppm 50	ME-ICP61a Be ppm 10	ME-ICP61a Bi ppm 20	ME-ICP61a Ca % 0.05	ME-ICP61a Cd ppm 10	ME-ICP61a Co ppm 10	ME-ICP61a Cr ppm 10	ME-ICP61a Cu ppm 10	ME-ICP61a Fe % 0.05	ME-ICP61a Ga ppm 50
2327551		0.24	0.12	1	3.71	<50	<50	<10	<20	6.08	<10	170	60	580	36.1	<50
2327552		0.20	0.03	<1	4.14	<50	60	<10	<20	6.98	<10	80	60	430	22.5	<50
2327553		0.24	<0.01	<1	6.49	<50	110	<10	<20	7.22	<10	20	110	100	14.25	<50
2327554		0.20	<0.01	<1	3.01	<50	<50	<10	<20	8.56	<10	20	270	100	16.65	<50
2327555		0.22	0.01	<1	5.73	<50	80	<10	<20	7.38	<10	30	190	40	11.40	<50
2327556		0.18	<0.01	1	6.83	<50	140	<10	<20	6.87	<10	20	310	30	9.50	<50
2327557		0.28	0.01	1	5.60	<50	450	<10	<20	8.05	<10	30	290	120	10.35	<50
2327558		0.20	0.01	<1	5.55	<50	80	<10	<20	8.10	<10	30	260	90	11.60	<50
2327559		0.22	0.04	<1	2.65	<50	<50	<10	<20	10.80	<10	70	100	380	16.35	<50
2327560		0.20	0.01	<1	5.41	<50	60	<10	<20	7.20	<10	20	210	10	10.90	<50
2327561		0.28	0.01	1	4.53	<50	<50	<10	<20	6.20	<10	90	210	60	17.15	<50
2327562		0.22	0.04	<1	3.49	<50	60	<10	<20	7.52	<10	130	90	60	24.1	<50
2327563		0.28	0.02	<1	6.30	<50	<50	<10	<20	7.10	<10	100	80	90	15.35	<50
2327564		0.22	<0.01	<1	4.18	<50	<50	<10	<20	9.27	<10	20	180	150	10.55	<50

***** See Appendix Page for comments regarding this certificate *****

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To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 27-SEP-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14140192

Sample Description	Method	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.1	50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05
2327551		0.1	<50	2.91	1280	<10	0.29	70	4020	<20	1.06	<50	10	170	<50	0.18
2327552		0.3	<50	5.13	930	<10	1.02	80	4270	<20	0.43	<50	20	180	<50	0.33
2327553		0.4	<50	4.71	920	<10	1.85	50	1370	<20	0.06	<50	30	320	<50	0.40
2327554		0.2	<50	6.89	870	<10	0.94	60	2430	<20	<0.05	<50	20	110	<50	0.16
2327555		0.3	<50	5.45	830	<10	1.91	40	2450	<20	<0.05	<50	30	220	<50	0.41
2327556		0.6	<50	4.22	690	<10	2.30	60	1550	<20	0.05	<50	30	390	<50	0.46
2327557		0.8	<50	5.73	940	<10	1.56	90	1380	<20	0.09	<50	30	330	<50	0.38
2327558		0.4	<50	5.50	870	<10	1.50	70	3900	<20	<0.05	<50	30	230	<50	0.39
2327559		0.1	<50	5.86	1260	<10	0.47	50	14450	<20	0.43	<50	20	280	<50	0.17
2327560		0.3	<50	5.21	1030	<10	1.95	40	1500	<20	0.14	<50	20	250	<50	0.35
2327561		0.2	<50	5.16	1150	<10	1.64	50	2960	<20	0.75	<50	20	180	<50	0.22
2327562		0.1	<50	4.63	1260	<10	1.08	70	7450	<20	0.96	<50	20	250	<50	0.27
2327563		0.3	<50	3.77	1470	<10	2.03	40	1820	<20	1.17	<50	10	560	<50	0.25
2327564		0.1	<50	6.19	1300	<10	1.57	40	3970	<20	0.12	<50	30	140	<50	0.35

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TERRACAD GEOSCIENCE**
310 - 675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 27-SEP-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14140192

Sample Description	Method / Analyte / Units / LOR	ME-ICP61a Tl ppm 50	ME-ICP61a U ppm 50	ME-ICP61a V ppm 10	ME-ICP61a W ppm 50	ME-ICP61a Zn ppm 20
2327551		<50	<50	850	<50	40
2327552		<50	<50	1070	<50	20
2327553		<50	<50	770	<50	30
2327554		<50	<50	1010	<50	20
2327555		<50	<50	650	<50	20
2327556		<50	<50	510	<50	20
2327557		<50	<50	560	<50	30
2327558		<50	<50	630	<50	30
2327559		<50	<50	710	<50	30
2327560		<50	<50	560	<50	30
2327561		<50	<50	750	<50	30
2327562		<50	<50	790	<50	50
2327563		<50	<50	590	<50	30
2327564		<50	<50	600	<50	30

***** See Appendix Page for comments regarding this certificate *****

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310-675 WEST HASTINGS ST
VANCOUVER V6B 1N2

Finalized Date: 27-SEP-2014
Account: TRCAD

CERTIFICATE OF ANALYSIS VA14140192

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA26	LOG-24	LOG-QC	ME-ICP61a
WEI-21			

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www.acmelab.com

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Farshad Shirvani
Receiving Lab: Canada-Smithers
Received: August 25, 2014
Report Date: September 18, 2014
Page: 1 of 7

CERTIFICATE OF ANALYSIS SMI14000566.1

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 160

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	160	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	160	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	160	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Terracad Geoscience Services Ltd.
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Erik Ostensoe
Krystle Milligan
Teresa Gough

BRITISH COLUMBIA CERTIFIED ASSAYER
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. Acme 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.

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428444	Drill Core	4.87	0.010	<0.1	102.8	1.6	20	<0.1	26.1	20.0	641	5.80	5	0.6	1.2	386	0.1	0.2	<0.1	365	7.61
1428445	Drill Core	7.33	0.026	0.2	456.0	1.8	31	<0.1	42.2	27.6	623	7.30	4	0.7	1.3	353	0.1	0.3	<0.1	386	7.26
1428446	Drill Core	6.15	0.006	<0.1	75.9	1.2	17	<0.1	26.0	15.9	651	5.25	3	0.4	0.7	335	<0.1	0.1	<0.1	446	10.67
1428447	Drill Core	4.24	0.019	<0.1	295.1	1.0	34	<0.1	99.1	38.4	874	8.88	2	0.1	0.4	213	<0.1	0.3	<0.1	565	8.56
1428448	Drill Core	4.51	0.015	0.3	196.7	1.6	31	<0.1	101.1	35.1	879	8.61	<1	0.2	0.4	281	0.1	0.5	<0.1	500	7.93
1428449	Drill Core	2.16	0.007	<0.1	91.8	0.9	34	<0.1	115.5	38.6	953	6.75	4	0.2	0.6	274	<0.1	0.4	<0.1	319	7.26
1428450	Drill Core	2.21	0.009	0.2	85.0	0.9	32	<0.1	115.0	35.4	893	6.67	2	0.2	0.6	256	<0.1	0.2	<0.1	335	6.57
1428451	Drill Core	6.79	0.045	<0.1	548.3	1.3	46	<0.1	122.4	43.9	1096	8.14	4	0.2	0.4	259	0.2	0.7	<0.1	349	7.56
1428452	Drill Core	4.82	0.035	0.3	366.2	1.9	32	0.1	48.3	25.9	1164	7.71	10	0.3	0.6	398	<0.1	1.2	<0.1	482	13.52
1428453	Drill Core	5.34	0.042	0.1	988.8	1.9	34	0.2	37.4	30.0	954	9.36	3	0.6	0.9	554	<0.1	1.5	<0.1	423	8.18
1428454	Drill Core	6.57	0.010	<0.1	447.3	2.4	34	<0.1	27.1	22.1	762	6.56	3	0.7	1.5	406	<0.1	0.6	<0.1	327	6.44
1428455	Drill Core	4.08	0.024	<0.1	478.8	2.3	29	<0.1	23.5	18.7	745	6.97	4	0.5	1.0	498	<0.1	0.7	<0.1	361	6.89
1428456	Drill Core	2.92	0.013	<0.1	252.8	1.4	15	<0.1	12.5	15.1	566	3.69	6	0.5	1.3	457	<0.1	0.2	<0.1	211	7.65
1428457	Drill Core	3.37	0.024	0.3	528.9	1.7	27	<0.1	27.6	19.6	652	6.35	5	0.4	0.9	238	<0.1	<0.1	<0.1	355	7.82
1428458	Drill Core	3.43	0.036	<0.1	2327.6	5.4	53	0.3	48.3	34.6	925	15.23	5	0.4	0.8	698	<0.1	2.2	<0.1	718	7.73
1428459	Drill Core	4.82	0.005	0.2	135.2	2.4	26	<0.1	30.4	17.7	792	5.02	1	0.5	0.6	435	<0.1	1.2	<0.1	392	9.46
1428460	Drill Core	3.68	0.010	<0.1	79.7	1.2	32	<0.1	40.6	26.7	819	6.45	2	0.4	0.6	297	<0.1	<0.1	<0.1	362	6.23
1428461	Drill Core	5.19	0.013	0.1	208.6	1.8	33	<0.1	40.1	29.1	782	6.35	2	0.4	0.5	232	<0.1	0.3	<0.1	308	6.24
1428462	Drill Core	4.87	0.012	0.1	181.0	2.1	34	<0.1	45.9	24.7	754	6.79	4	0.5	0.7	214	<0.1	0.2	<0.1	344	6.21
1428463	Drill Core	3.82	0.031	0.4	9.0	4.4	28	<0.1	16.1	11.6	833	3.46	3	0.5	1.1	355	<0.1	0.5	<0.1	269	9.33
1428464	Drill Core	3.41	<0.005	<0.1	50.8	3.3	31	<0.1	24.7	16.3	835	6.39	6	0.4	0.8	366	<0.1	0.4	<0.1	457	10.46
1428465	Drill Core	5.76	0.020	0.2	218.1	3.5	36	0.1	74.9	37.1	953	21.13	7	0.1	0.3	100	0.2	0.3	<0.1	1172	9.71
1428466	Drill Core	5.51	0.014	0.2	199.4	3.2	33	0.1	61.3	35.3	881	17.85	4	0.2	0.2	158	<0.1	0.3	<0.1	1067	9.99
1428467	Drill Core	5.33	<0.005	0.1	33.9	1.4	27	<0.1	29.7	20.6	662	7.85	4	0.4	0.8	471	<0.1	0.2	<0.1	548	8.43
1428468	Drill Core	4.98	<0.005	0.1	76.1	1.8	28	<0.1	30.2	19.9	775	9.12	3	0.7	0.9	696	<0.1	1.3	<0.1	547	8.84
1428469	Drill Core	7.00	0.009	<0.1	125.8	2.1	27	<0.1	49.2	25.7	608	13.60	6	0.5	0.6	333	<0.1	0.5	<0.1	793	6.95
1428470	Drill Core	4.96	<0.005	<0.1	10.6	1.0	19	<0.1	35.6	18.6	652	5.00	<1	0.4	0.5	284	<0.1	0.1	<0.1	323	7.79
1428471	Drill Core	4.21	<0.005	<0.1	8.1	0.7	19	0.1	56.4	25.2	650	5.80	1	0.4	0.6	322	<0.1	0.1	<0.1	323	6.63
1428535	Drill Core	4.86	0.044	0.2	184.5	1.1	43	<0.1	77.2	39.5	1104	7.29	5	0.4	0.9	269	<0.1	0.2	<0.1	322	7.36
1428536	Drill Core	3.99	0.033	0.1	146.6	1.0	34	<0.1	41.3	30.9	972	6.04	<1	0.7	1.5	418	0.1	0.1	<0.1	286	5.91

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.

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428444	Drill Core	0.077	4.5	72	3.26	156	0.475	9.08	2.805	0.58	0.1	22.6	11	0.5	13.1	1.2	<0.1	<1	27	12.2	<0.1
1428445	Drill Core	0.122	5.1	102	3.15	123	0.404	7.87	3.156	0.36	<0.1	25.2	12	0.4	12.7	1.7	0.1	<1	27	9.8	0.1
1428446	Drill Core	0.109	3.9	89	3.91	128	0.429	7.61	1.319	0.49	<0.1	12.9	10	0.3	11.8	1.0	<0.1	<1	26	13.6	<0.1
1428447	Drill Core	0.082	2.9	452	5.69	64	0.404	6.00	1.177	0.31	0.2	17.8	8	0.6	11.2	0.7	<0.1	<1	37	9.7	<0.1
1428448	Drill Core	0.065	3.6	406	5.13	65	0.413	6.81	1.555	0.29	<0.1	18.1	8	0.6	10.5	0.6	<0.1	<1	34	11.0	<0.1
1428449	Drill Core	0.055	3.4	427	5.45	81	0.418	6.72	1.672	0.41	0.1	21.0	8	0.3	10.6	0.8	<0.1	<1	37	10.3	<0.1
1428450	Drill Core	0.061	3.6	401	5.48	82	0.423	6.35	1.753	0.38	0.1	21.8	9	0.3	10.9	0.8	<0.1	<1	37	10.3	<0.1
1428451	Drill Core	0.051	3.4	452	6.08	62	0.410	6.12	1.327	0.30	0.2	20.9	8	0.7	10.2	0.7	<0.1	<1	36	10.5	0.2
1428452	Drill Core	1.404	11.9	187	4.05	16	0.279	3.97	0.759	0.10	0.6	14.1	18	0.4	10.1	0.5	<0.1	<1	26	5.0	<0.1
1428453	Drill Core	0.313	6.2	53	3.68	24	0.330	6.24	1.973	0.10	0.2	21.9	11	0.5	10.7	0.8	<0.1	<1	26	5.1	0.2
1428454	Drill Core	0.134	5.2	63	3.30	123	0.436	8.52	3.183	0.40	<0.1	22.9	12	0.2	13.1	1.1	<0.1	<1	24	11.6	<0.1
1428455	Drill Core	0.106	4.6	16	2.79	120	0.390	8.26	2.914	0.37	<0.1	20.9	11	0.3	11.8	1.2	<0.1	<1	21	12.3	<0.1
1428456	Drill Core	0.110	5.0	10	2.67	155	0.428	9.00	3.514	0.44	<0.1	21.6	12	<0.1	13.8	1.6	<0.1	<1	21	10.4	<0.1
1428457	Drill Core	0.117	4.2	93	3.78	89	0.420	7.46	2.476	0.29	<0.1	21.1	10	0.5	12.0	1.0	<0.1	<1	26	12.0	0.1
1428458	Drill Core	0.190	13.5	50	2.79	53	0.310	7.06	1.346	0.22	0.1	19.7	19	0.4	8.5	0.6	<0.1	<1	18	6.4	0.2
1428459	Drill Core	0.084	4.8	77	3.37	83	0.443	8.62	1.626	0.33	0.1	14.2	11	0.3	10.3	0.5	<0.1	<1	26	12.3	<0.1
1428460	Drill Core	0.100	4.2	106	4.44	128	0.466	7.71	2.466	0.47	0.1	16.0	10	0.4	12.7	0.7	<0.1	1	33	16.1	<0.1
1428461	Drill Core	0.082	5.0	120	4.49	72	0.432	7.82	2.458	0.27	0.1	17.3	10	0.3	10.7	0.6	<0.1	<1	30	15.8	<0.1
1428462	Drill Core	0.074	4.4	144	4.86	50	0.420	7.37	2.394	0.23	0.1	17.3	10	0.2	9.6	0.7	<0.1	<1	31	14.9	<0.1
1428463	Drill Core	0.138	4.1	34	3.77	100	0.392	7.62	1.920	0.30	0.3	18.8	11	0.2	11.4	1.0	<0.1	<1	25	15.3	<0.1
1428464	Drill Core	0.289	4.4	45	3.84	91	0.325	6.85	1.621	0.30	0.2	18.7	11	0.2	10.4	0.9	<0.1	<1	25	11.8	<0.1
1428465	Drill Core	0.755	6.1	64	4.37	9	0.236	2.57	0.526	0.10	<0.1	11.8	10	0.6	6.8	0.3	<0.1	<1	26	3.9	0.1
1428466	Drill Core	0.296	3.4	51	3.47	35	0.216	3.69	0.896	0.15	<0.1	9.9	7	0.3	6.2	0.3	<0.1	<1	17	4.1	<0.1
1428467	Drill Core	0.206	4.5	47	3.27	153	0.397	7.53	2.475	0.40	<0.1	18.1	12	0.2	11.9	0.9	<0.1	<1	25	8.3	<0.1
1428468	Drill Core	0.162	4.7	9	2.33	65	0.406	8.24	1.912	0.17	0.2	36.0	11	0.3	12.2	1.0	<0.1	<1	23	9.1	<0.1
1428469	Drill Core	0.238	4.6	30	3.77	55	0.313	6.24	1.345	0.13	0.2	14.0	10	0.4	9.5	0.7	<0.1	<1	19	9.2	<0.1
1428470	Drill Core	0.090	4.2	141	4.46	80	0.481	8.11	2.450	0.25	<0.1	16.9	11	0.5	13.0	0.9	<0.1	<1	33	14.6	<0.1
1428471	Drill Core	0.082	4.3	150	4.54	92	0.479	8.08	2.703	0.29	0.5	17.4	12	0.7	11.6	0.7	<0.1	1	34	15.4	<0.1
1428535	Drill Core	0.063	4.9	229	4.75	219	0.458	7.55	2.361	0.65	0.1	26.9	11	0.2	12.4	1.1	<0.1	<1	39	13.9	0.1
1428536	Drill Core	0.145	8.8	115	3.28	302	0.489	8.76	3.347	0.79	0.2	29.0	18	0.2	15.4	1.5	0.1	<1	27	12.9	0.1

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428444	Drill Core	18.2	0.8	<0.05	<0.005	<1	<0.5	<0.5
1428445	Drill Core	12.2	0.9	0.09	0.006	<1	0.9	<0.5
1428446	Drill Core	17.2	0.6	<0.05	<0.005	<1	<0.5	<0.5
1428447	Drill Core	7.5	0.6	0.07	0.009	<1	0.7	<0.5
1428448	Drill Core	7.8	0.6	0.07	<0.005	<1	1.0	<0.5
1428449	Drill Core	10.8	0.8	<0.05	<0.005	<1	0.6	<0.5
1428450	Drill Core	10.7	0.7	0.07	<0.005	<1	0.8	<0.5
1428451	Drill Core	6.3	0.7	0.08	<0.005	<1	0.8	<0.5
1428452	Drill Core	1.8	0.6	0.09	<0.005	<1	0.6	<0.5
1428453	Drill Core	2.5	0.8	0.14	<0.005	<1	0.7	<0.5
1428454	Drill Core	16.9	1.0	<0.05	<0.005	<1	0.6	<0.5
1428455	Drill Core	14.6	0.7	<0.05	0.007	<1	0.6	<0.5
1428456	Drill Core	10.3	1.0	0.05	<0.005	<1	0.7	<0.5
1428457	Drill Core	10.0	0.7	<0.05	<0.005	<1	<0.5	<0.5
1428458	Drill Core	8.4	0.7	<0.05	<0.005	<1	<0.5	<0.5
1428459	Drill Core	11.2	0.6	0.11	<0.005	<1	0.8	<0.5
1428460	Drill Core	15.0	0.7	0.08	<0.005	<1	0.6	<0.5
1428461	Drill Core	7.6	0.6	0.07	<0.005	<1	0.8	<0.5
1428462	Drill Core	5.9	0.7	<0.05	<0.005	<1	<0.5	<0.5
1428463	Drill Core	10.6	0.8	<0.05	<0.005	<1	0.6	<0.5
1428464	Drill Core	10.8	0.8	<0.05	<0.005	<1	1.3	<0.5
1428465	Drill Core	0.7	0.5	0.07	<0.005	<1	0.6	<0.5
1428466	Drill Core	3.0	0.4	<0.05	<0.005	<1	0.7	<0.5
1428467	Drill Core	12.6	0.8	<0.05	<0.005	<1	0.6	<0.5
1428468	Drill Core	5.5	1.0	0.09	0.005	<1	<0.5	<0.5
1428469	Drill Core	3.6	0.5	<0.05	<0.005	<1	0.7	<0.5
1428470	Drill Core	6.6	0.7	0.07	<0.005	<1	0.9	<0.5
1428471	Drill Core	7.0	0.6	0.13	<0.005	<1	0.7	<0.5
1428535	Drill Core	20.7	1.0	0.06	0.008	<1	<0.5	<0.5
1428536	Drill Core	24.0	1.1	0.08	0.009	<1	<0.5	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428537	Drill Core	4.56	0.020	0.1	140.5	1.1	38	<0.1	48.7	31.3	1124	6.41	2	0.5	1.1	247	<0.1	0.2	<0.1	315	6.34
1428538	Drill Core	4.87	0.029	1.6	270.0	1.3	38	<0.1	50.3	37.4	1458	7.93	2	0.4	0.8	318	<0.1	0.4	<0.1	343	5.45
1428539	Drill Core	4.71	0.029	0.8	167.6	1.4	43	<0.1	45.6	39.5	2049	9.62	6	0.5	0.9	518	<0.1	2.5	<0.1	370	6.55
1428540	Drill Core	5.02	0.026	0.7	151.2	1.5	46	<0.1	43.2	33.5	2019	8.03	3	0.6	0.9	445	0.1	2.4	<0.1	334	6.48
1428541	Drill Core	4.47	0.129	0.4	353.9	1.5	54	1.0	57.9	40.6	1883	10.23	3	0.4	0.8	327	<0.1	1.1	<0.1	373	5.59
1428542	Drill Core	5.81	0.014	0.5	174.3	0.9	45	<0.1	38.9	29.8	1735	7.63	<1	0.6	1.4	286	<0.1	0.7	<0.1	333	4.90
1428543	Drill Core	3.78	0.035	2.3	416.3	1.0	45	<0.1	5.1	29.8	1586	7.21	4	1.2	1.4	260	<0.1	1.1	<0.1	235	2.26
1428544	Drill Core	4.38	0.028	1.0	356.7	1.0	45	<0.1	3.6	28.3	1509	7.55	4	1.2	1.5	347	<0.1	1.0	<0.1	226	2.66
1428545	Drill Core	4.02	0.138	1.2	461.1	0.7	42	<0.1	4.2	29.2	1301	7.57	3	1.2	1.6	222	<0.1	0.4	<0.1	223	2.31
1428546	Drill Core	3.25	0.014	1.1	372.0	0.9	48	<0.1	3.2	22.6	1130	7.55	2	1.2	1.5	216	<0.1	0.3	<0.1	225	2.18
1428547	Drill Core	4.16	0.020	1.0	414.2	0.7	44	<0.1	4.4	22.1	993	7.76	<1	1.2	1.6	241	<0.1	0.2	<0.1	221	2.28
1428548	Drill Core	3.34	0.014	1.1	217.2	0.7	38	<0.1	2.9	21.0	869	6.89	2	1.0	1.4	258	<0.1	0.2	<0.1	218	2.89
1428549	Drill Core	3.04	0.017	0.8	177.8	0.8	41	<0.1	2.9	18.9	1033	6.66	1	1.0	1.4	297	<0.1	0.3	<0.1	217	2.84
1428550	Drill Core	2.98	0.009	0.8	178.1	0.7	41	<0.1	3.3	21.6	1047	6.77	1	1.0	1.4	287	<0.1	0.4	<0.1	226	2.91
1428551	Drill Core	3.91	0.012	0.7	196.0	0.6	47	0.1	3.2	19.3	1115	6.32	2	0.9	1.5	270	<0.1	0.3	<0.1	220	3.26
1428552	Drill Core	4.89	0.009	0.9	172.1	0.8	52	<0.1	2.6	20.6	1118	6.51	1	0.8	1.3	260	<0.1	0.4	<0.1	228	3.43
1428553	Drill Core	6.72	0.011	0.8	147.9	0.7	47	<0.1	2.8	20.4	1272	6.25	<1	0.7	1.2	280	<0.1	0.5	<0.1	217	3.54
1428554	Drill Core	5.11	0.008	0.1	136.8	1.0	32	<0.1	34.6	23.8	914	6.26	3	1.1	1.5	309	<0.1	0.3	<0.1	234	5.64
1428555	Drill Core	4.21	0.007	0.3	42.5	1.1	27	0.2	18.5	18.0	862	4.80	2	1.7	3.8	400	<0.1	<0.1	<0.1	211	5.22
1428556	Drill Core	4.81	0.027	0.2	241.9	1.3	31	<0.1	24.4	23.9	989	5.94	2	0.8	1.4	394	<0.1	0.2	<0.1	236	4.47
1428557	Drill Core	4.20	0.013	0.2	53.8	1.0	42	0.1	44.1	24.8	1294	6.04	2	0.8	1.3	240	<0.1	0.1	<0.1	240	6.98
1428558	Drill Core	4.77	0.044	0.1	307.0	1.2	45	0.2	54.4	31.3	1368	6.65	2	0.8	1.3	322	<0.1	0.3	<0.1	258	5.96
1428559	Drill Core	4.99	0.058	0.2	268.6	0.8	27	0.1	28.4	17.9	1235	4.70	1	1.5	1.5	307	<0.1	0.6	<0.1	185	5.35
1428560	Drill Core	5.46	0.136	0.3	319.2	1.1	39	0.3	48.2	29.0	1680	7.06	4	0.8	1.1	408	<0.1	1.6	<0.1	249	5.77
1428561	Drill Core	4.96	0.022	0.2	277.2	0.9	40	<0.1	42.2	25.5	1349	6.40	2	0.7	1.2	379	<0.1	0.5	<0.1	244	5.61
1428562	Drill Core	4.34	0.096	0.2	554.9	0.9	32	0.2	40.1	36.3	1165	6.05	2	0.9	1.1	397	<0.1	0.5	<0.1	230	5.25
1428563	Drill Core	4.91	0.011	0.3	109.5	1.3	25	<0.1	29.1	24.7	1000	5.38	2	0.9	1.0	312	<0.1	1.1	<0.1	215	5.35
1428564	Drill Core	5.48	0.074	37.5	1129.1	1.4	23	0.2	49.7	100.4	820	10.11	5	1.3	1.7	314	0.1	1.2	<0.1	225	4.98
1428565	Drill Core	4.61	0.045	1.5	559.5	0.8	28	0.1	40.5	61.3	919	8.79	4	0.9	1.0	275	<0.1	0.8	<0.1	251	4.68
1428566	Drill Core	4.54	0.046	28.1	441.5	1.1	18	<0.1	13.3	89.9	557	7.73	5	1.4	1.7	226	<0.1	0.8	<0.1	139	3.19

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Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428537	Drill Core	0.090	5.6	117	3.73	222	0.424	8.13	2.698	0.71	0.2	20.5	12	0.5	12.0	0.8	<0.1	<1	30	16.1	<0.1
1428538	Drill Core	0.072	5.8	136	4.15	318	0.457	8.00	2.459	0.86	0.4	19.1	11	0.3	10.9	0.9	<0.1	<1	34	18.4	0.1
1428539	Drill Core	0.055	12.3	123	4.03	116	0.440	7.96	1.655	0.32	1.0	20.6	19	0.5	11.5	0.9	<0.1	<1	34	12.9	0.2
1428540	Drill Core	0.062	7.6	122	3.64	172	0.456	7.83	2.390	0.44	0.9	23.2	14	0.6	12.4	1.2	<0.1	<1	31	15.6	0.2
1428541	Drill Core	0.047	4.4	140	3.95	247	0.432	7.34	2.310	0.63	0.6	19.8	9	0.6	10.6	1.1	<0.1	<1	32	16.8	0.2
1428542	Drill Core	0.076	7.4	109	3.57	308	0.461	7.84	3.154	0.84	0.7	23.6	16	0.7	14.0	0.9	<0.1	<1	28	15.8	0.1
1428543	Drill Core	0.151	5.4	4	2.09	592	0.411	8.45	4.068	1.70	1.7	61.9	16	0.6	14.2	2.0	0.1	<1	17	10.0	0.3
1428544	Drill Core	0.168	6.7	3	2.08	984	0.440	8.43	3.738	2.37	2.1	69.2	18	0.7	14.9	2.2	0.1	<1	16	9.7	0.2
1428545	Drill Core	0.167	7.3	2	2.00	1262	0.426	8.46	3.391	3.29	1.8	69.2	19	0.6	15.4	2.1	0.1	<1	17	10.2	0.3
1428546	Drill Core	0.164	6.7	2	1.99	1550	0.421	8.43	3.119	3.62	1.5	68.7	18	0.7	14.9	2.2	0.1	<1	16	12.5	0.1
1428547	Drill Core	0.161	6.4	2	2.00	1832	0.443	8.57	3.064	3.72	1.4	70.7	17	0.6	16.3	2.1	0.1	<1	17	13.0	0.1
1428548	Drill Core	0.162	8.4	3	1.81	1472	0.426	8.18	3.210	3.51	1.4	68.8	22	0.7	15.3	2.1	0.1	<1	16	12.5	<0.1
1428549	Drill Core	0.164	5.5	3	1.86	1201	0.426	8.27	3.769	2.76	1.2	68.4	16	0.7	15.7	2.0	0.1	<1	16	11.2	<0.1
1428550	Drill Core	0.171	5.3	3	1.89	1188	0.434	8.25	3.868	2.70	1.4	69.9	16	0.8	14.8	2.2	0.1	<1	16	11.4	<0.1
1428551	Drill Core	0.168	6.8	3	1.84	999	0.441	8.45	3.962	2.58	1.6	67.4	19	0.8	15.2	2.1	0.1	<1	16	11.9	<0.1
1428552	Drill Core	0.168	5.4	2	1.82	584	0.438	8.03	4.198	1.67	1.4	66.9	15	0.6	14.7	2.2	<0.1	<1	15	11.6	<0.1
1428553	Drill Core	0.170	4.8	2	1.79	504	0.429	7.86	4.278	1.29	1.5	66.2	15	0.7	14.0	2.1	0.1	<1	14	11.0	<0.1
1428554	Drill Core	0.108	7.2	88	2.81	172	0.454	8.45	3.842	0.56	0.4	28.3	17	0.8	14.8	1.5	<0.1	<1	24	9.5	0.1
1428555	Drill Core	0.125	17.9	33	2.19	282	0.410	8.35	4.057	1.06	0.3	30.3	35	0.4	27.2	1.4	<0.1	<1	14	9.0	<0.1
1428556	Drill Core	0.177	8.0	18	1.83	330	0.481	8.35	4.373	0.83	0.3	27.5	21	0.6	16.3	2.1	0.1	<1	13	7.4	0.1
1428557	Drill Core	0.086	6.8	131	3.51	145	0.440	7.79	3.284	0.46	0.2	29.7	15	0.4	14.3	1.6	<0.1	<1	28	14.9	<0.1
1428558	Drill Core	0.127	8.4	142	3.76	181	0.482	7.99	3.471	0.54	0.4	23.2	19	0.6	16.4	1.5	<0.1	<1	29	14.9	0.1
1428559	Drill Core	0.128	7.6	54	2.49	116	0.449	8.89	4.473	0.42	1.0	22.3	17	0.4	15.1	1.4	<0.1	<1	19	9.7	<0.1
1428560	Drill Core	0.087	7.1	170	3.63	113	0.448	7.84	3.216	0.38	1.1	26.1	15	0.9	13.5	1.2	<0.1	<1	30	13.0	0.1
1428561	Drill Core	0.142	7.3	127	3.28	167	0.459	7.92	3.638	0.60	0.7	26.9	17	0.6	14.3	1.3	<0.1	<1	25	12.4	<0.1
1428562	Drill Core	0.116	7.9	90	3.00	194	0.440	8.34	3.791	0.67	0.4	21.9	18	0.6	16.3	1.4	<0.1	<1	23	12.3	0.2
1428563	Drill Core	0.097	5.4	79	2.99	150	0.434	8.31	3.794	0.60	0.4	21.1	13	0.6	13.8	1.2	<0.1	<1	23	10.8	0.1
1428564	Drill Core	0.109	7.9	124	3.01	756	0.386	7.73	2.743	1.27	0.7	27.6	17	1.0	15.5	1.5	<0.1	<1	24	11.0	1.5
1428565	Drill Core	0.108	9.7	148	3.66	922	0.402	7.53	2.519	1.36	0.6	16.6	19	0.9	12.8	1.3	<0.1	<1	28	14.2	0.5
1428566	Drill Core	0.168	3.9	3	1.61	24	0.352	8.12	5.176	0.07	0.2	69.7	13	0.8	13.6	2.2	0.1	<1	9	12.1	0.5

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428537	Drill Core	21.9	0.8	<0.05	0.017	<1	0.8	<0.5
1428538	Drill Core	21.8	0.7	0.06	0.019	<1	<0.5	<0.5
1428539	Drill Core	8.2	0.6	0.11	0.015	<1	0.8	<0.5
1428540	Drill Core	8.2	0.8	0.11	0.006	<1	<0.5	<0.5
1428541	Drill Core	13.1	0.7	0.09	<0.005	<1	0.7	<0.5
1428542	Drill Core	20.1	0.8	0.07	<0.005	<1	<0.5	<0.5
1428543	Drill Core	17.2	1.9	<0.05	<0.005	<1	<0.5	<0.5
1428544	Drill Core	21.2	2.2	<0.05	<0.005	<1	<0.5	<0.5
1428545	Drill Core	38.0	2.2	<0.05	<0.005	<1	<0.5	<0.5
1428546	Drill Core	44.3	2.0	0.06	<0.005	<1	<0.5	<0.5
1428547	Drill Core	44.6	2.2	0.07	<0.005	<1	<0.5	<0.5
1428548	Drill Core	37.5	2.2	0.10	<0.005	<1	<0.5	<0.5
1428549	Drill Core	30.1	2.2	0.11	<0.005	<1	<0.5	<0.5
1428550	Drill Core	22.4	2.3	0.08	<0.005	1	<0.5	<0.5
1428551	Drill Core	27.9	2.2	0.09	<0.005	<1	<0.5	<0.5
1428552	Drill Core	14.0	2.0	0.09	<0.005	<1	<0.5	<0.5
1428553	Drill Core	10.2	2.1	0.06	<0.005	<1	<0.5	<0.5
1428554	Drill Core	12.6	1.1	<0.05	<0.005	<1	<0.5	<0.5
1428555	Drill Core	92.3	1.3	<0.05	<0.005	<1	<0.5	<0.5
1428556	Drill Core	8.5	1.0	0.07	0.006	<1	<0.5	<0.5
1428557	Drill Core	9.6	1.1	0.09	<0.005	<1	0.7	<0.5
1428558	Drill Core	12.8	0.8	0.07	<0.005	1	0.8	<0.5
1428559	Drill Core	9.6	0.9	0.07	0.029	<1	1.0	<0.5
1428560	Drill Core	6.2	1.0	0.08	0.015	<1	<0.5	<0.5
1428561	Drill Core	11.4	1.0	0.09	<0.005	<1	<0.5	<0.5
1428562	Drill Core	17.7	0.8	0.08	0.018	1	0.5	<0.5
1428563	Drill Core	14.3	0.8	0.08	<0.005	<1	1.2	<0.5
1428564	Drill Core	37.3	0.9	0.11	0.184	1	<0.5	<0.5
1428565	Drill Core	28.0	0.7	0.09	0.012	<1	<0.5	<0.5
1428566	Drill Core	0.9	2.0	<0.05	0.180	<1	<0.5	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428567	Drill Core	4.39	0.098	2.4	502.0	0.8	17	0.2	15.3	47.5	482	7.88	4	1.4	1.6	187	<0.1	0.3	<0.1	147	3.26
1428568	Drill Core	4.24	0.017	0.4	144.3	1.1	39	<0.1	58.6	38.7	989	6.95	<1	0.8	1.5	183	<0.1	0.3	<0.1	259	5.86
1428569	Drill Core	5.03	0.018	0.3	82.7	0.9	27	<0.1	40.8	27.0	810	5.52	1	0.7	1.3	113	<0.1	0.2	<0.1	203	5.53
1428570	Drill Core	3.95	0.017	0.3	92.6	1.2	45	0.3	49.7	33.9	1166	6.26	2	0.6	1.2	395	<0.1	0.3	<0.1	280	5.82
1428571	Drill Core	4.96	0.017	1.0	119.8	1.2	46	<0.1	40.1	29.9	1163	6.07	<1	0.7	1.3	394	<0.1	0.3	<0.1	283	5.96
1428572	Drill Core	4.63	0.024	1.8	279.1	0.8	33	<0.1	52.6	72.2	999	7.13	3	1.0	2.7	280	<0.1	0.2	<0.1	256	5.43
1428573	Drill Core	4.30	0.012	0.3	41.0	0.8	19	<0.1	18.3	14.1	742	2.92	<1	0.6	2.1	244	<0.1	0.4	<0.1	129	4.85
1428574	Drill Core	3.75	0.015	0.6	59.5	0.7	21	<0.1	20.4	14.8	816	3.46	1	0.6	1.5	233	<0.1	0.3	<0.1	143	4.78
1428575	Drill Core	3.86	0.093	0.5	310.8	1.6	29	<0.1	34.7	21.2	1043	5.30	3	0.8	1.8	242	<0.1	0.8	<0.1	190	5.70
1428576	Drill Core	4.21	0.163	2.6	1769.5	3.1	47	0.2	61.5	44.7	1109	6.50	6	0.8	1.4	378	0.1	0.8	<0.1	237	8.29
1428577	Drill Core	4.00	0.009	0.5	72.2	0.8	43	<0.1	60.5	31.2	1113	6.29	<1	0.4	1.0	271	<0.1	0.2	<0.1	280	5.82
1428578	Drill Core	3.72	0.016	0.3	176.6	0.8	40	<0.1	167.1	45.8	1249	6.22	1	0.6	1.1	174	<0.1	0.3	<0.1	233	6.80
1428579	Drill Core	4.09	0.057	1.0	378.1	1.8	41	<0.1	135.2	51.5	1319	7.03	4	1.1	1.2	164	<0.1	0.5	<0.1	246	6.67
1428580	Drill Core	3.89	0.225	1.6	1576.2	2.4	44	0.2	98.6	63.8	931	7.55	9	1.4	1.5	323	0.1	1.6	<0.1	200	4.64
1428581	Drill Core	5.65	0.036	0.9	205.6	1.1	30	<0.1	83.8	31.1	873	5.23	5	1.0	1.4	195	<0.1	0.4	<0.1	208	5.62
1428582	Drill Core	5.47	0.064	0.5	322.6	1.1	31	<0.1	97.5	32.5	769	5.29	5	1.0	1.0	187	<0.1	0.3	<0.1	196	5.81
1428583	Drill Core	5.07	0.032	0.3	253.8	1.5	30	<0.1	40.0	23.9	781	4.09	3	0.6	0.7	255	<0.1	0.2	<0.1	179	6.37
1428584	Drill Core	5.71	0.033	0.6	171.6	1.2	54	<0.1	164.9	37.0	1116	5.77	4	0.8	1.3	149	<0.1	0.3	<0.1	220	6.46
1428585	Drill Core	5.90	0.017	1.2	76.3	1.2	50	<0.1	117.4	37.6	1124	6.55	2	0.6	1.2	183	<0.1	0.2	<0.1	290	7.97
1428586	Drill Core	6.11	0.017	0.5	144.4	1.2	52	<0.1	134.8	38.7	1077	6.52	3	0.7	1.5	182	<0.1	0.1	<0.1	287	6.09
1428587	Drill Core	5.96	0.011	0.7	81.1	0.9	46	<0.1	160.6	37.4	950	6.70	2	0.7	1.4	254	0.1	0.2	<0.1	289	6.30
1428588	Drill Core	5.83	0.026	0.7	214.3	0.9	29	<0.1	137.7	36.7	799	6.61	3	0.7	1.3	317	<0.1	0.1	<0.1	260	6.80
1428589	Drill Core	5.56	0.016	4.7	151.6	0.9	35	<0.1	163.8	42.7	814	7.91	1	0.6	1.1	161	<0.1	0.3	<0.1	302	7.29
1428590	Drill Core	5.63	0.006	0.2	33.5	1.0	73	<0.1	186.9	40.9	1313	6.95	1	0.8	1.9	257	0.1	<0.1	<0.1	275	6.64
1428591	Drill Core	6.07	0.016	0.5	145.2	1.1	40	<0.1	75.3	34.8	999	6.43	2	0.6	1.4	326	<0.1	0.2	<0.1	280	6.74
1428592	Drill Core	5.54	0.013	0.4	142.5	1.4	33	<0.1	37.4	29.1	845	5.56	2	0.6	0.8	645	<0.1	<0.1	<0.1	241	5.95
1428593	Drill Core	4.06	0.018	0.3	157.8	1.3	28	<0.1	33.3	28.8	728	5.54	1	0.6	1.1	391	<0.1	0.2	<0.1	232	5.58
1428594	Drill Core	3.77	0.036	0.3	416.7	1.4	30	<0.1	38.2	47.0	867	5.94	3	0.9	1.6	326	<0.1	0.1	<0.1	246	6.18
1428595	Drill Core	3.46	0.027	0.3	319.5	1.3	34	<0.1	33.2	29.0	913	6.11	2	0.6	1.4	249	<0.1	0.2	<0.1	259	5.75
1428596	Drill Core	3.66	0.010	0.1	148.5	1.1	45	<0.1	29.8	27.8	991	6.06	1	0.7	1.3	328	<0.1	0.1	<0.1	241	6.05

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428567	Drill Core	0.163	3.9	7	1.67	58	0.352	8.13	4.942	0.11	0.2	63.4	12	0.6	14.1	2.0	0.1	<1	10	11.2	0.3
1428568	Drill Core	0.112	8.1	133	3.74	264	0.396	8.10	2.710	0.98	0.3	16.7	17	0.6	13.0	1.1	<0.1	<1	31	15.8	0.2
1428569	Drill Core	0.097	7.9	87	2.66	46	0.374	8.44	4.239	0.26	0.3	21.6	17	0.4	14.4	1.1	<0.1	<1	23	11.2	0.2
1428570	Drill Core	0.087	5.3	112	3.72	410	0.457	8.21	2.894	1.01	0.2	16.4	13	0.4	13.0	1.3	<0.1	<1	28	15.6	0.1
1428571	Drill Core	0.074	4.7	103	3.28	416	0.479	8.26	2.911	1.12	0.2	16.2	11	0.4	12.8	1.3	<0.1	<1	26	14.7	0.2
1428572	Drill Core	0.106	6.8	136	3.46	383	0.443	7.77	3.104	1.11	0.3	20.8	16	0.6	15.5	1.6	<0.1	1	27	13.2	0.5
1428573	Drill Core	0.158	9.6	26	1.89	112	0.308	8.65	4.849	0.53	0.2	22.2	20	0.2	14.6	1.3	<0.1	<1	13	7.3	<0.1
1428574	Drill Core	0.091	5.4	47	1.88	107	0.343	8.20	4.863	0.51	0.3	24.3	13	0.2	12.9	1.3	<0.1	<1	14	6.1	<0.1
1428575	Drill Core	0.076	8.4	96	2.37	52	0.413	8.50	4.144	0.17	0.9	24.5	14	0.7	14.1	1.6	0.1	<1	23	9.6	0.3
1428576	Drill Core	0.151	9.7	196	3.48	689	0.478	7.01	1.954	1.52	0.6	33.5	19	0.8	13.4	2.7	0.2	1	29	11.6	0.5
1428577	Drill Core	0.076	5.8	147	3.28	417	0.458	8.69	2.775	0.99	0.3	28.9	13	0.3	14.0	1.3	<0.1	<1	27	13.1	0.1
1428578	Drill Core	0.090	6.1	369	4.13	228	0.414	7.40	2.745	0.66	0.2	27.7	13	0.5	14.4	1.4	<0.1	<1	24	14.5	0.1
1428579	Drill Core	0.104	7.6	336	3.70	152	0.411	7.62	1.506	0.57	0.7	25.6	15	0.6	15.5	1.3	<0.1	<1	25	17.1	0.3
1428580	Drill Core	0.122	7.6	194	2.53	478	0.407	8.63	2.927	1.31	0.8	47.1	17	0.8	16.6	1.7	<0.1	1	18	14.0	0.5
1428581	Drill Core	0.099	7.2	115	2.33	244	0.376	8.63	4.041	0.71	0.3	28.6	16	0.5	14.9	1.4	<0.1	<1	19	7.4	0.2
1428582	Drill Core	0.103	7.5	168	2.83	291	0.371	8.17	3.539	0.79	0.3	22.8	16	0.5	13.1	1.0	<0.1	<1	18	8.3	0.2
1428583	Drill Core	0.109	5.6	29	1.93	447	0.385	8.96	3.475	1.18	0.1	16.1	12	0.2	12.7	1.0	<0.1	<1	14	9.3	0.2
1428584	Drill Core	0.115	7.8	310	4.24	234	0.403	7.57	2.511	0.80	0.1	26.9	16	0.3	13.7	1.5	0.1	<1	23	11.7	<0.1
1428585	Drill Core	0.127	8.9	211	4.34	304	0.479	6.97	1.527	0.93	0.1	20.7	18	0.4	13.9	1.1	<0.1	1	37	12.1	<0.1
1428586	Drill Core	0.160	10.4	180	4.26	254	0.443	7.26	2.369	0.78	0.1	27.5	21	0.5	15.1	1.7	<0.1	<1	21	13.3	0.1
1428587	Drill Core	0.157	11.1	245	4.34	366	0.442	7.51	1.774	0.96	<0.1	28.7	21	0.5	14.9	1.7	<0.1	<1	23	11.1	<0.1
1428588	Drill Core	0.130	8.8	198	3.89	407	0.426	7.42	1.944	1.11	0.2	40.3	18	0.5	14.4	1.6	<0.1	<1	22	10.2	0.2
1428589	Drill Core	0.125	8.9	339	3.51	179	0.440	7.36	1.683	0.71	0.3	15.7	18	0.5	13.2	0.8	<0.1	<1	29	12.3	0.2
1428590	Drill Core	0.157	10.9	393	5.09	331	0.460	6.75	1.779	0.84	<0.1	34.3	23	0.5	17.1	2.0	0.1	<1	30	12.0	<0.1
1428591	Drill Core	0.129	9.0	165	3.33	387	0.476	7.75	2.711	0.88	<0.1	24.7	19	0.4	17.2	1.4	<0.1	<1	27	10.4	0.2
1428592	Drill Core	0.118	8.0	61	2.45	560	0.450	8.77	3.362	1.08	0.1	16.9	17	0.4	15.4	1.4	<0.1	1	21	11.1	0.2
1428593	Drill Core	0.104	5.7	58	2.32	373	0.426	8.80	3.367	1.07	0.1	16.2	14	0.5	13.0	1.2	<0.1	<1	21	8.8	0.2
1428594	Drill Core	0.121	11.6	57	2.30	318	0.445	8.70	3.516	0.92	0.2	20.0	23	0.4	16.8	1.6	<0.1	<1	23	8.4	0.4
1428595	Drill Core	0.107	7.9	58	2.34	325	0.469	8.59	3.486	1.03	0.1	17.0	17	0.6	14.9	1.6	0.1	<1	23	9.7	0.2
1428596	Drill Core	0.147	8.4	46	2.30	431	0.460	8.69	3.415	1.08	0.1	14.5	18	0.4	16.3	1.5	<0.1	<1	21	10.7	<0.1

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Project: Hat
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Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428567	Drill Core	1.0	1.9	<0.05	0.027	<1	<0.5	<0.5
1428568	Drill Core	37.1	0.6	0.07	<0.005	<1	0.8	<0.5
1428569	Drill Core	10.1	0.7	<0.05	<0.005	<1	<0.5	<0.5
1428570	Drill Core	29.7	0.6	0.10	<0.005	<1	<0.5	<0.5
1428571	Drill Core	30.9	0.7	<0.05	0.007	<1	<0.5	<0.5
1428572	Drill Core	36.3	0.7	0.11	0.012	<1	<0.5	<0.5
1428573	Drill Core	16.0	0.8	0.06	<0.005	<1	<0.5	<0.5
1428574	Drill Core	11.3	0.9	<0.05	0.006	<1	<0.5	<0.5
1428575	Drill Core	9.1	0.9	0.08	<0.005	<1	<0.5	<0.5
1428576	Drill Core	40.8	1.1	0.09	0.021	<1	1.3	<0.5
1428577	Drill Core	40.1	0.9	<0.05	<0.005	<1	0.7	<0.5
1428578	Drill Core	22.0	0.8	<0.05	<0.005	<1	0.9	<0.5
1428579	Drill Core	20.8	0.7	0.06	0.011	<1	1.1	<0.5
1428580	Drill Core	33.1	1.5	<0.05	0.028	1	<0.5	0.5
1428581	Drill Core	24.4	1.0	<0.05	0.011	<1	<0.5	<0.5
1428582	Drill Core	22.5	0.7	0.06	0.014	<1	0.6	<0.5
1428583	Drill Core	29.6	0.6	<0.05	0.007	<1	<0.5	<0.5
1428584	Drill Core	24.6	0.9	0.05	0.012	<1	2.2	<0.5
1428585	Drill Core	30.4	0.7	<0.05	<0.005	<1	1.3	<0.5
1428586	Drill Core	24.0	0.9	<0.05	0.008	<1	<0.5	<0.5
1428587	Drill Core	35.1	0.9	0.05	<0.005	<1	0.5	<0.5
1428588	Drill Core	38.0	0.8	<0.05	0.011	<1	0.8	<0.5
1428589	Drill Core	25.6	0.5	0.06	0.037	<1	0.6	<0.5
1428590	Drill Core	27.4	1.2	<0.05	<0.005	<1	1.0	<0.5
1428591	Drill Core	25.6	0.9	<0.05	0.007	<1	0.7	<0.5
1428592	Drill Core	22.5	0.7	<0.05	0.007	<1	<0.5	<0.5
1428593	Drill Core	30.2	0.6	<0.05	0.009	<1	<0.5	<0.5
1428594	Drill Core	32.3	0.8	<0.05	0.026	<1	<0.5	<0.5
1428595	Drill Core	28.3	0.6	<0.05	0.007	<1	<0.5	<0.5
1428596	Drill Core	28.0	0.6	<0.05	<0.005	<1	<0.5	<0.5

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428597	Drill Core	4.14	0.020	0.2	250.2	1.4	30	<0.1	33.5	28.6	774	5.72	2	0.8	1.1	358	<0.1	0.2	<0.1	237	5.09
1428598	Drill Core	3.98	0.011	0.4	101.5	1.3	43	<0.1	43.1	30.7	990	6.33	<1	0.7	1.0	370	<0.1	<0.1	<0.1	253	5.80
1428599	Drill Core	2.61	0.011	0.5	99.8	0.8	43	<0.1	121.1	39.1	1021	6.86	3	0.6	1.1	263	<0.1	0.2	<0.1	233	4.97
1428600	Drill Core	2.42	0.014	0.2	110.4	0.7	43	<0.1	110.9	40.8	1038	6.89	2	0.6	1.1	270	<0.1	0.2	<0.1	225	5.42
1428601	Drill Core	4.19	0.182	0.4	1043.9	1.3	41	0.1	108.4	34.9	1276	7.42	3	0.6	1.1	517	<0.1	2.4	<0.1	234	5.46
1428602	Drill Core	5.32	0.048	1.0	529.2	1.1	30	<0.1	42.3	73.9	793	6.08	2	0.5	0.4	438	<0.1	0.3	<0.1	202	4.56
1428603	Drill Core	3.56	0.096	0.2	707.6	1.0	24	<0.1	30.6	61.1	749	6.88	6	0.9	0.8	353	<0.1	0.6	<0.1	194	4.33
1428604	Drill Core	4.08	0.014	2.3	224.9	0.8	23	<0.1	10.3	24.3	615	7.45	2	1.5	1.7	350	<0.1	0.4	<0.1	218	2.59
1428605	Drill Core	3.92	0.028	2.1	246.4	0.8	23	<0.1	6.7	25.2	625	7.17	4	1.6	1.7	276	0.1	0.5	<0.1	205	2.93
1428606	Drill Core	4.09	0.016	2.5	335.3	0.7	23	<0.1	10.3	27.0	526	6.95	3	1.8	1.5	370	<0.1	0.3	<0.1	212	2.84
1428607	Drill Core	3.87	0.204	0.2	1815.5	0.9	39	0.1	85.7	56.2	1001	6.72	<1	0.7	1.2	401	<0.1	0.3	<0.1	240	4.89
1428608	Drill Core	4.12	0.042	0.3	330.6	1.4	31	<0.1	73.6	56.2	969	6.61	4	0.9	1.4	404	<0.1	1.2	<0.1	228	6.47
1428609	Drill Core	3.48	0.044	0.3	431.9	1.1	28	<0.1	47.4	36.5	901	6.00	<1	1.0	1.3	517	<0.1	1.3	<0.1	211	5.80
1428610	Drill Core	3.94	0.099	0.1	1300.3	1.3	26	<0.1	44.9	40.9	823	6.18	3	1.1	1.8	451	<0.1	0.6	<0.1	208	5.16
1428611	Drill Core	4.50	0.056	0.1	776.3	1.0	29	<0.1	46.7	28.3	862	6.23	3	1.0	1.4	412	<0.1	0.3	<0.1	209	5.06
1428612	Drill Core	3.39	0.199	0.8	2439.9	1.6	27	0.2	45.7	45.2	832	6.62	4	1.0	1.5	432	<0.1	0.7	<0.1	208	5.56
1428613	Drill Core	4.18	0.346	1.4	3088.9	2.7	27	0.3	46.7	106.8	926	11.79	11	1.0	1.0	430	<0.1	0.7	<0.1	295	5.04
1428614	Drill Core	4.52	0.206	4.5	3575.4	1.5	26	0.3	41.0	67.1	927	10.61	8	0.9	0.8	354	<0.1	0.3	<0.1	272	4.54
1428615	Drill Core	3.33	0.303	3.0	4182.1	2.1	37	0.4	71.6	120.4	1249	13.45	11	1.0	0.8	345	<0.1	0.3	<0.1	317	4.57
1428616	Drill Core	3.19	0.035	0.5	2480.5	1.2	31	0.2	37.1	62.9	885	8.07	4	0.7	0.6	401	<0.1	0.2	<0.1	292	4.90
1428617	Drill Core	4.67	0.137	14.3	2282.0	1.4	29	0.2	53.2	102.0	899	8.20	4	0.7	0.6	358	<0.1	0.6	<0.1	278	4.71
1428618	Drill Core	4.52	0.155	0.9	612.8	1.0	48	9.0	22.1	20.5	1383	9.16	4	0.9	1.2	407	<0.1	0.6	<0.1	309	4.88
1428619	Drill Core	4.69	0.147	0.2	2044.6	1.2	32	0.2	30.4	58.4	924	7.71	4	0.8	0.6	486	0.1	0.3	<0.1	284	5.82
1428620	Drill Core	4.38	0.107	0.7	1747.1	1.6	32	0.2	46.0	88.3	929	8.13	4	0.8	0.6	346	<0.1	0.4	<0.1	299	5.19
1428621	Drill Core	3.37	0.272	0.8	4202.4	2.4	30	0.3	47.5	99.6	924	8.20	4	0.9	0.5	419	<0.1	1.2	<0.1	299	5.91
1428622	Drill Core	3.94	0.015	0.4	224.6	2.9	81	<0.1	20.4	25.2	1323	6.11	7	0.3	0.5	364	<0.1	0.3	<0.1	185	5.81
1428623	Drill Core	4.25	0.275	1.2	4402.5	2.0	43	0.2	78.6	90.3	1173	11.32	3	0.6	0.5	183	<0.1	0.2	<0.1	403	5.71
1428624	Drill Core	4.53	0.334	48.7	5537.3	1.8	21	0.3	100.9	174.6	673	21.74	6	0.6	0.8	389	<0.1	0.3	<0.1	442	4.53
1428625	Drill Core	4.62	0.265	24.4	3877.6	1.6	25	0.3	99.2	208.5	788	19.14	4	0.7	0.7	330	<0.1	0.3	<0.1	495	4.93
1428626	Drill Core	4.69	0.230	17.7	3242.8	1.4	17	0.2	62.0	152.7	655	10.25	4	1.3	1.1	339	<0.1	0.6	<0.1	210	3.53

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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428597	Drill Core		0.160	10.6	55	2.16	465	0.476	8.70	3.736	0.90	0.2	16.5	22	0.4	17.9	1.6	<0.1	<1	20	8.6	0.1
1428598	Drill Core		0.121	7.9	86	2.90	471	0.449	8.13	3.302	0.90	0.1	18.9	17	0.4	15.8	1.6	0.1	<1	23	10.5	<0.1
1428599	Drill Core		0.093	5.7	306	4.19	222	0.415	7.61	3.196	0.65	0.2	22.6	13	0.5	13.6	1.6	0.1	<1	23	16.2	0.1
1428600	Drill Core		0.088	5.6	292	4.03	221	0.412	7.53	3.178	0.66	0.3	22.8	13	0.5	13.0	1.5	<0.1	<1	22	15.1	0.2
1428601	Drill Core		0.092	13.4	300	3.80	90	0.416	7.91	3.276	0.31	1.1	24.0	24	0.7	14.2	1.9	0.1	<1	25	11.8	0.3
1428602	Drill Core		0.122	4.3	54	2.29	283	0.380	8.35	3.665	0.95	0.4	15.1	11	0.7	11.6	0.8	<0.1	<1	15	12.4	0.4
1428603	Drill Core		0.137	3.9	18	1.93	442	0.388	8.14	3.873	1.22	0.4	36.1	11	0.8	12.2	1.2	<0.1	1	12	9.2	0.4
1428604	Drill Core		0.175	5.7	3	1.95	1068	0.445	8.54	4.186	2.45	0.6	70.2	15	0.6	15.3	2.1	0.1	<1	16	9.9	0.1
1428605	Drill Core		0.170	5.3	3	1.81	1206	0.426	8.26	3.792	2.76	0.4	68.2	14	0.7	14.8	1.9	0.1	<1	16	13.8	0.1
1428606	Drill Core		0.162	3.6	4	1.77	1533	0.420	8.13	3.300	3.54	0.5	69.5	11	0.8	14.2	2.1	<0.1	<1	15	14.2	0.1
1428607	Drill Core		0.113	6.3	209	3.74	236	0.408	7.53	3.458	0.78	0.2	28.2	14	0.5	12.6	1.2	<0.1	<1	23	9.2	0.4
1428608	Drill Core		0.106	6.0	198	3.54	147	0.389	8.03	3.256	0.53	0.2	31.0	14	0.8	13.1	1.2	<0.1	<1	21	8.5	0.3
1428609	Drill Core		0.107	5.2	122	3.08	134	0.402	8.08	3.569	0.45	0.3	27.9	13	0.7	12.2	1.0	<0.1	<1	22	7.2	0.2
1428610	Drill Core		0.112	5.3	125	3.05	151	0.392	8.03	4.256	0.60	0.2	32.6	13	0.8	12.2	0.9	<0.1	<1	23	8.5	0.3
1428611	Drill Core		0.109	4.5	131	3.33	145	0.401	7.38	3.756	0.64	0.2	30.7	12	0.7	12.6	0.9	<0.1	<1	24	9.3	0.1
1428612	Drill Core		0.108	4.3	113	2.87	132	0.397	7.99	3.898	0.61	0.3	30.9	12	0.9	12.9	1.0	<0.1	<1	22	9.2	0.5
1428613	Drill Core		0.107	3.8	61	2.88	404	0.421	7.70	2.397	1.99	0.8	27.2	12	1.0	12.2	1.1	<0.1	<1	29	11.9	1.4
1428614	Drill Core		0.117	3.3	58	2.86	520	0.396	7.61	2.516	2.42	0.3	23.8	10	0.8	11.7	0.9	<0.1	<1	29	11.5	0.8
1428615	Drill Core		0.118	4.0	76	3.47	342	0.447	6.94	2.216	1.89	0.4	28.2	11	0.9	14.5	1.2	<0.1	<1	35	12.0	1.4
1428616	Drill Core		0.093	3.9	38	2.83	398	0.481	8.31	3.438	1.22	0.3	25.3	11	0.9	13.2	1.3	<0.1	<1	26	11.5	0.6
1428617	Drill Core		0.087	4.3	40	2.70	278	0.446	7.97	3.217	0.93	0.4	22.9	11	0.8	12.4	1.2	<0.1	<1	24	10.8	0.9
1428618	Drill Core		0.141	5.3	29	2.80	644	0.462	7.97	3.396	1.31	0.8	40.1	14	0.5	12.6	1.3	<0.1	<1	27	16.9	0.1
1428619	Drill Core		0.107	5.5	31	2.81	270	0.491	9.12	3.756	0.91	0.3	26.3	14	0.8	14.0	1.3	<0.1	<1	26	13.2	0.5
1428620	Drill Core		0.102	5.1	38	2.98	215	0.467	8.65	3.640	0.88	0.4	25.7	13	0.8	13.5	1.2	<0.1	<1	27	12.6	0.7
1428621	Drill Core		0.090	11.1	31	2.92	87	0.451	8.35	3.341	0.42	0.4	21.9	19	0.9	14.3	1.0	<0.1	<1	26	13.8	1.0
1428622	Drill Core		0.128	3.8	35	2.10	107	0.476	8.77	4.287	0.24	0.2	39.0	9	0.5	9.8	1.9	0.1	<1	11	25.6	<0.1
1428623	Drill Core		0.085	3.7	130	4.12	181	0.589	7.24	2.316	0.64	0.3	23.8	10	0.8	16.8	1.1	<0.1	<1	42	15.8	1.0
1428624	Drill Core		0.095	3.0	22	2.40	146	0.356	6.60	1.891	1.35	0.1	17.0	9	0.7	10.2	0.8	<0.1	<1	21	9.1	1.8
1428625	Drill Core		0.112	2.5	89	3.30	343	0.417	6.31	1.759	1.23	0.2	16.5	8	1.0	12.2	0.7	<0.1	<1	28	8.6	1.6
1428626	Drill Core		0.135	3.9	41	2.22	115	0.389	7.75	4.778	0.29	0.2	40.6	10	0.8	11.3	1.4	<0.1	<1	18	9.7	1.5

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Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428597	Drill Core	26.6	0.7	<0.05	0.006	<1	<0.5	<0.5
1428598	Drill Core	18.4	0.7	<0.05	0.007	<1	<0.5	<0.5
1428599	Drill Core	17.2	0.8	<0.05	0.009	1	0.7	<0.5
1428600	Drill Core	15.5	0.9	<0.05	0.009	<1	<0.5	<0.5
1428601	Drill Core	6.5	1.0	0.13	0.006	<1	0.8	<0.5
1428602	Drill Core	15.4	0.6	<0.05	0.009	<1	<0.5	<0.5
1428603	Drill Core	14.0	1.1	<0.05	<0.005	<1	<0.5	<0.5
1428604	Drill Core	31.0	2.1	<0.05	<0.005	<1	<0.5	<0.5
1428605	Drill Core	34.8	2.2	<0.05	<0.005	<1	<0.5	<0.5
1428606	Drill Core	36.2	2.0	<0.05	0.006	<1	<0.5	<0.5
1428607	Drill Core	16.2	1.0	<0.05	<0.005	<1	0.6	<0.5
1428608	Drill Core	11.1	1.0	0.08	<0.005	<1	0.9	<0.5
1428609	Drill Core	8.3	0.9	0.06	0.008	<1	0.9	<0.5
1428610	Drill Core	16.4	1.1	<0.05	<0.005	1	1.0	<0.5
1428611	Drill Core	12.9	1.2	0.11	<0.005	<1	1.0	<0.5
1428612	Drill Core	17.5	1.1	0.06	0.019	2	1.3	<0.5
1428613	Drill Core	56.3	0.9	<0.05	0.225	2	<0.5	<0.5
1428614	Drill Core	58.1	1.0	<0.05	0.301	2	0.6	<0.5
1428615	Drill Core	51.9	1.0	<0.05	0.109	4	0.8	<0.5
1428616	Drill Core	27.2	0.9	0.05	0.008	2	0.9	<0.5
1428617	Drill Core	26.6	0.9	<0.05	0.106	3	0.6	<0.5
1428618	Drill Core	15.3	1.4	0.06	<0.005	<1	0.9	<0.5
1428619	Drill Core	22.7	1.0	0.09	0.007	2	0.8	<0.5
1428620	Drill Core	22.9	1.0	0.05	0.008	2	1.1	<0.5
1428621	Drill Core	11.6	0.8	0.15	0.008	3	1.0	<0.5
1428622	Drill Core	1.6	1.2	<0.05	<0.005	<1	0.7	<0.5
1428623	Drill Core	20.7	0.9	0.10	0.021	3	1.4	<0.5
1428624	Drill Core	35.9	0.6	<0.05	0.256	6	<0.5	<0.5
1428625	Drill Core	34.6	0.6	<0.05	0.206	4	0.5	<0.5
1428626	Drill Core	5.7	1.4	<0.05	0.103	3	0.6	<0.5

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428627	Drill Core	5.46	0.090	1.5	1362.9	1.0	32	0.1	30.5	25.3	964	10.46	4	0.8	1.1	406	<0.1	1.0	<0.1	318	3.72
1428628	Drill Core	5.03	0.098	2.4	1371.9	1.2	20	0.1	48.6	61.4	708	9.32	4	0.9	1.0	350	<0.1	0.8	<0.1	238	5.01
1428629	Drill Core	5.82	0.099	0.5	1537.6	1.4	35	0.1	39.5	43.4	1047	8.86	4	0.9	1.0	358	<0.1	1.2	<0.1	321	6.21
1428630	Drill Core	4.89	0.357	6.5	4688.5	2.4	27	0.3	76.9	146.4	870	14.50	5	0.8	1.2	441	<0.1	0.9	<0.1	356	5.70
1428631	Drill Core	4.07	0.071	1.4	1040.1	1.0	20	<0.1	27.9	43.9	564	7.25	3	1.1	1.3	344	<0.1	0.3	<0.1	280	4.76
1428632	Drill Core	4.33	0.143	4.0	1381.4	1.3	16	0.1	22.1	56.0	615	6.83	3	1.6	1.5	542	<0.1	1.1	<0.1	236	4.81
1428633	Drill Core	3.65	0.073	22.5	1376.4	2.6	36	0.2	94.2	114.4	1342	12.01	5	1.3	1.6	513	<0.1	2.1	<0.1	304	4.00
1428634	Drill Core	5.02	0.066	1.0	1172.6	1.9	26	0.1	46.0	42.2	747	7.84	4	1.2	1.3	363	<0.1	0.5	<0.1	305	4.70
1428635	Drill Core	3.97	0.072	2.8	1263.0	1.1	30	0.1	154.8	62.6	816	11.40	3	0.4	0.8	186	<0.1	0.2	<0.1	515	6.40
1428636	Drill Core	5.03	0.297	13.2	4431.2	1.2	27	0.3	469.9	139.4	685	14.11	3	0.5	0.7	150	<0.1	0.2	<0.1	696	5.84
1428637	Drill Core	4.39	0.275	0.2	4477.0	1.4	35	0.3	264.9	88.1	825	11.33	3	0.4	0.6	292	<0.1	0.1	<0.1	579	6.69
1428638	Drill Core	4.05	0.121	0.3	2462.6	1.6	31	0.2	96.0	64.1	747	8.32	3	0.7	0.9	472	<0.1	0.2	<0.1	447	6.38
1428639	Drill Core	6.08	0.079	0.4	1231.4	1.4	29	0.1	76.9	51.1	756	8.44	2	0.8	0.9	413	<0.1	0.2	<0.1	361	6.03
1428640	Drill Core	4.93	0.124	0.4	1361.8	1.5	29	0.1	62.6	54.1	750	6.55	3	0.7	0.9	464	<0.1	0.2	<0.1	282	6.35
1428641	Drill Core	4.37	0.111	0.1	1149.0	1.5	34	0.1	64.6	51.4	919	8.46	3	0.5	0.5	284	<0.1	0.4	<0.1	374	8.28
1428642	Drill Core	4.58	0.089	0.4	1185.1	1.4	33	0.1	66.4	49.8	925	9.42	3	0.6	0.5	213	<0.1	0.1	<0.1	428	8.51
1428643	Drill Core	5.56	0.055	0.9	535.9	1.1	39	0.2	65.4	48.0	1101	8.82	2	0.3	0.4	322	<0.1	0.2	<0.1	402	7.96
1428644	Drill Core	5.93	0.131	2.9	1974.6	0.9	32	0.2	73.2	59.2	966	10.20	3	0.6	0.8	279	<0.1	0.1	<0.1	388	6.59
1428645	Drill Core	4.93	0.040	3.7	646.3	1.1	51	<0.1	79.2	47.1	1386	8.39	1	0.4	0.6	221	<0.1	0.3	<0.1	354	8.45
1428646	Drill Core	4.25	0.109	2.9	1328.8	1.1	20	0.1	28.3	29.3	493	7.36	2	1.4	1.4	265	<0.1	<0.1	<0.1	309	5.56
1428647	Drill Core	4.07	0.108	3.4	1984.1	1.0	23	0.2	45.0	33.8	531	7.60	2	1.3	1.2	229	<0.1	0.3	<0.1	300	5.33
1428648	Drill Core	4.82	0.039	0.4	599.6	0.8	43	<0.1	95.6	82.0	1193	9.44	2	0.4	0.5	174	<0.1	0.2	<0.1	414	8.05
1428649	Drill Core	2.39	0.151	1.1	1575.2	0.6	40	0.2	89.9	63.6	1053	14.70	2	0.3	0.5	224	<0.1	0.2	<0.1	538	6.29
1428650	Drill Core	2.56	0.139	0.9	1593.1	0.6	37	0.2	90.3	58.1	1013	15.22	4	0.3	0.5	208	<0.1	0.1	<0.1	520	6.04
1428651	Drill Core	5.37	0.124	2.7	1277.8	1.2	20	0.1	63.7	76.5	627	11.00	3	0.5	1.1	384	<0.1	0.3	<0.1	504	7.15
1428652	Drill Core	3.87	0.108	4.2	1137.8	1.1	23	0.4	42.9	56.5	796	8.45	2	0.8	1.4	493	<0.1	1.3	<0.1	383	6.82
1428653	Drill Core	5.91	0.062	0.2	548.2	0.8	18	<0.1	27.1	26.3	476	8.01	2	0.7	1.1	513	<0.1	0.2	<0.1	506	7.59
1428654	Drill Core	4.53	0.049	3.2	683.5	1.0	56	<0.1	87.2	52.8	1514	10.96	2	0.4	0.6	245	0.1	0.3	<0.1	457	8.53
1428655	Drill Core	4.97	0.035	0.3	279.6	1.5	65	0.1	87.2	55.4	1841	10.46	1	0.3	0.4	242	0.1	0.3	<0.1	377	9.20
1428656	Drill Core	5.44	0.217	0.3	1290.6	2.1	57	0.2	84.3	62.0	1813	11.27	5	0.4	0.4	449	<0.1	1.7	<0.1	369	9.10

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428627	Drill Core		0.154	3.7	28	2.74	383	0.463	7.69	3.970	0.76	0.5	42.0	10	0.7	11.2	1.3	<0.1	<1	24	20.3	0.3
1428628	Drill Core		0.131	4.3	36	1.92	142	0.371	8.47	4.011	0.54	0.3	28.9	10	0.8	9.5	1.1	<0.1	<1	16	11.9	0.6
1428629	Drill Core		0.091	5.9	47	3.01	75	0.465	8.48	3.269	0.42	0.3	23.4	14	0.7	11.2	1.1	<0.1	<1	28	14.3	0.4
1428630	Drill Core		0.130	5.1	42	3.13	276	0.440	7.40	2.518	0.81	0.2	24.2	13	1.0	12.2	1.1	<0.1	<1	31	10.5	1.7
1428631	Drill Core		0.134	4.9	20	2.43	143	0.399	8.27	4.526	0.53	0.1	38.1	13	0.8	12.5	1.3	<0.1	<1	22	9.2	0.3
1428632	Drill Core		0.131	5.1	4	1.98	137	0.359	8.50	4.828	0.43	0.1	52.0	13	1.0	13.5	1.6	<0.1	<1	16	8.2	0.5
1428633	Drill Core		0.143	6.7	65	2.86	78	0.438	8.08	4.058	0.21	0.6	39.6	14	0.5	12.6	1.3	<0.1	<1	28	18.1	1.2
1428634	Drill Core		0.146	6.6	24	2.73	132	0.411	8.15	4.243	0.46	0.2	37.6	16	0.8	13.4	1.5	<0.1	<1	23	12.7	0.4
1428635	Drill Core		0.192	3.7	350	6.15	125	0.338	5.78	1.431	0.53	0.1	16.6	10	1.3	10.6	0.8	<0.1	<1	28	16.8	0.4
1428636	Drill Core		0.129	3.0	342	5.24	119	0.327	5.92	1.964	0.45	0.1	19.1	9	1.0	10.2	0.8	<0.1	<1	25	13.1	1.4
1428637	Drill Core		0.171	4.4	41	3.81	146	0.422	7.86	2.395	0.71	0.1	23.1	11	0.8	13.2	1.0	<0.1	<1	23	10.4	0.9
1428638	Drill Core		0.137	9.4	25	3.13	214	0.474	8.87	2.962	0.90	0.1	24.4	19	0.7	13.7	1.1	<0.1	<1	20	10.1	0.6
1428639	Drill Core		0.112	6.1	33	2.91	166	0.511	8.79	3.419	0.67	0.1	26.4	15	0.9	14.6	1.3	<0.1	<1	24	10.6	0.4
1428640	Drill Core		0.135	4.7	29	2.84	192	0.445	9.06	3.317	0.73	0.1	26.3	13	0.7	13.1	1.2	<0.1	<1	25	10.4	0.5
1428641	Drill Core		0.045	4.1	135	4.55	202	0.440	8.00	1.615	0.68	0.1	20.7	11	0.8	12.9	0.9	<0.1	<1	45	13.7	0.4
1428642	Drill Core		0.046	4.0	137	4.61	131	0.474	7.70	1.618	0.50	0.1	18.6	10	0.9	12.3	0.8	<0.1	<1	49	13.5	0.2
1428643	Drill Core		0.092	3.4	125	4.67	306	0.443	7.44	1.403	0.85	<0.1	16.0	9	0.5	10.1	0.5	<0.1	<1	44	15.7	0.2
1428644	Drill Core		0.137	6.2	181	4.41	161	0.453	6.41	1.790	0.54	0.1	20.4	15	0.8	13.5	0.9	<0.1	<1	44	10.7	0.5
1428645	Drill Core		0.130	4.6	341	5.80	224	0.451	5.77	1.412	0.55	<0.1	21.6	13	0.7	15.1	0.8	<0.1	<1	57	13.0	0.2
1428646	Drill Core		0.120	4.4	45	2.64	128	0.396	8.00	4.151	0.33	<0.1	38.8	12	0.8	12.8	1.5	<0.1	<1	26	5.6	0.2
1428647	Drill Core		0.133	4.2	36	2.62	102	0.385	8.23	4.328	0.28	0.1	38.1	11	0.8	11.4	1.4	<0.1	<1	24	7.5	0.3
1428648	Drill Core		0.193	7.7	290	5.95	115	0.417	6.02	1.476	0.46	0.1	20.1	16	0.7	14.0	0.8	<0.1	<1	55	10.0	0.4
1428649	Drill Core		0.114	2.9	275	5.02	127	0.392	6.04	1.824	0.48	<0.1	15.0	9	0.8	12.1	0.6	<0.1	<1	45	11.0	0.4
1428650	Drill Core		0.115	2.8	257	4.64	114	0.383	6.01	2.206	0.41	0.1	13.9	9	0.7	12.0	0.6	<0.1	<1	41	10.7	0.3
1428651	Drill Core		0.104	6.7	94	3.16	175	0.429	7.75	2.441	0.62	<0.1	18.9	15	0.7	13.0	1.0	<0.1	<1	27	7.8	0.5
1428652	Drill Core		0.134	4.1	24	2.85	118	0.460	8.02	3.073	0.50	0.2	25.7	13	0.8	13.6	1.3	<0.1	<1	28	9.5	0.4
1428653	Drill Core		0.122	4.2	21	3.17	170	0.475	8.11	2.544	0.56	<0.1	19.4	13	0.7	12.3	1.0	<0.1	<1	28	9.2	0.1
1428654	Drill Core		0.098	3.7	328	5.46	102	0.571	5.50	1.254	0.31	0.1	18.0	10	0.7	14.5	0.6	<0.1	<1	56	9.3	0.2
1428655	Drill Core		0.082	3.2	407	5.77	124	0.563	5.43	1.329	0.32	0.2	18.1	9	0.5	14.8	0.4	<0.1	<1	64	12.2	0.1
1428656	Drill Core		0.070	3.4	377	5.53	74	0.526	5.22	0.976	0.23	0.3	17.8	9	0.6	14.6	0.4	<0.1	<1	63	10.5	0.3

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428627	Drill Core	7.3	1.4	<0.05	0.010	<1	0.7	<0.5
1428628	Drill Core	10.0	1.0	<0.05	0.019	1	<0.5	<0.5
1428629	Drill Core	10.0	0.8	0.06	<0.005	<1	0.8	<0.5
1428630	Drill Core	28.5	0.8	<0.05	0.066	6	1.1	<0.5
1428631	Drill Core	15.5	1.4	<0.05	0.006	<1	0.9	<0.5
1428632	Drill Core	11.7	1.9	<0.05	0.019	1	0.7	<0.5
1428633	Drill Core	6.2	1.3	0.06	0.085	4	0.7	<0.5
1428634	Drill Core	13.3	1.3	<0.05	0.006	<1	0.8	<0.5
1428635	Drill Core	18.4	0.5	0.07	0.015	<1	2.9	<0.5
1428636	Drill Core	13.0	0.7	0.09	0.062	6	1.1	<0.5
1428637	Drill Core	22.2	0.8	<0.05	<0.005	5	1.1	<0.5
1428638	Drill Core	21.7	0.9	0.05	<0.005	3	1.8	<0.5
1428639	Drill Core	14.2	0.9	<0.05	<0.005	1	0.8	<0.5
1428640	Drill Core	18.0	1.0	0.06	<0.005	1	1.0	<0.5
1428641	Drill Core	22.6	0.8	0.07	<0.005	1	1.4	<0.5
1428642	Drill Core	17.4	0.7	0.07	<0.005	<1	1.4	<0.5
1428643	Drill Core	29.2	0.5	0.09	0.010	<1	2.0	<0.5
1428644	Drill Core	19.0	0.8	0.07	0.014	1	1.6	<0.5
1428645	Drill Core	16.7	0.8	0.07	0.015	<1	2.2	<0.5
1428646	Drill Core	7.0	1.4	<0.05	0.010	<1	0.7	<0.5
1428647	Drill Core	5.2	1.3	<0.05	0.013	1	0.7	<0.5
1428648	Drill Core	13.5	0.7	0.07	<0.005	1	2.6	<0.5
1428649	Drill Core	15.4	0.6	0.06	0.008	1	2.0	<0.5
1428650	Drill Core	12.8	0.6	<0.05	0.005	1	1.3	<0.5
1428651	Drill Core	21.9	0.7	<0.05	0.045	2	1.4	<0.5
1428652	Drill Core	17.9	0.9	0.05	0.025	<1	1.2	<0.5
1428653	Drill Core	9.7	0.8	0.05	<0.005	<1	1.3	<0.5
1428654	Drill Core	7.7	0.7	0.05	0.042	<1	3.0	<0.5
1428655	Drill Core	8.8	0.7	0.10	<0.005	<1	1.6	<0.5
1428656	Drill Core	6.1	0.7	0.13	<0.005	<1	2.1	<0.5

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Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428657	Drill Core	5.11	0.132	0.2	1268.2	1.5	51	0.3	77.1	53.7	1187	10.22	4	0.4	0.4	442	<0.1	0.4	<0.1	409	7.86
1428658	Drill Core	4.80	0.030	0.2	514.0	2.1	50	0.1	45.9	39.6	1214	7.68	2	0.3	0.3	542	0.1	0.4	<0.1	313	7.74
1428659	Drill Core	4.99	0.024	0.2	364.7	5.1	52	0.1	54.9	41.9	1312	7.79	2	0.3	0.3	457	<0.1	0.5	<0.1	348	7.99
1428660	Drill Core	4.34	0.015	0.2	351.6	2.4	53	0.1	58.0	43.2	1379	7.86	1	0.4	0.5	301	<0.1	0.3	<0.1	320	8.89
1428661	Drill Core	4.68	0.100	1.4	1746.6	4.6	56	0.3	57.4	78.9	1051	12.04	5	0.8	0.8	365	<0.1	1.8	<0.1	362	6.36
1428662	Drill Core	3.53	0.060	0.2	624.2	7.1	53	0.1	48.6	48.8	1406	8.48	3	0.5	0.5	752	<0.1	2.7	<0.1	310	7.26
1428663	Drill Core	2.26	0.068	2.2	1534.7	40.4	58	0.5	38.9	54.2	1039	9.16	5	1.6	1.3	675	<0.1	2.2	<0.1	242	6.04
1428664	Drill Core	2.17	0.094	0.8	2011.1	14.6	75	0.4	55.3	57.7	1149	7.51	3	0.5	0.7	519	0.2	0.6	<0.1	254	6.76
1428665	Drill Core	3.83	0.064	2.1	1758.4	7.6	65	0.4	31.0	46.9	773	8.41	4	0.9	1.3	460	0.1	1.4	<0.1	294	5.31
1428666	Drill Core	7.39	0.070	1.0	1390.2	2.0	37	0.2	22.6	35.9	616	8.54	3	0.8	1.4	350	<0.1	0.5	<0.1	307	5.26

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428657	Drill Core	0.148	4.0	108	3.90	155	0.531	7.90	1.830	0.38	<0.1	14.9	11	0.7	13.0	0.5	<0.1	<1	34	10.2	0.3
1428658	Drill Core	0.140	3.3	71	3.44	194	0.499	8.79	2.505	0.47	0.1	16.2	9	0.5	12.4	0.5	<0.1	<1	30	10.8	0.1
1428659	Drill Core	0.103	3.3	105	3.89	171	0.557	8.47	2.375	0.43	0.2	16.9	9	0.6	12.5	0.6	<0.1	<1	35	14.6	0.1
1428660	Drill Core	0.055	3.4	198	5.12	152	0.528	6.83	1.719	0.46	0.1	19.8	10	0.5	16.4	0.7	<0.1	<1	55	11.9	<0.1
1428661	Drill Core	0.081	3.3	173	4.40	51	0.388	6.21	2.672	0.21	0.2	27.3	10	0.9	12.5	0.9	<0.1	<1	43	10.2	0.5
1428662	Drill Core	0.120	3.5	81	3.49	97	0.509	8.43	2.713	0.43	0.4	18.9	10	0.8	14.5	0.8	<0.1	<1	32	14.7	0.2
1428663	Drill Core	0.141	4.3	36	2.61	75	0.405	8.24	3.511	0.28	0.3	35.6	11	0.9	13.4	1.1	<0.1	<1	22	11.0	0.4
1428664	Drill Core	0.119	5.7	113	3.44	172	0.421	7.72	2.984	0.41	0.2	21.4	13	0.6	13.3	1.0	<0.1	<1	27	14.5	0.3
1428665	Drill Core	0.125	5.4	17	2.66	101	0.394	8.01	4.057	0.29	<0.1	35.8	12	0.6	11.4	1.4	<0.1	<1	23	8.8	0.3
1428666	Drill Core	0.129	5.2	19	2.68	133	0.414	8.06	4.143	0.37	<0.1	35.6	12	0.6	12.6	1.5	<0.1	<1	25	8.4	0.2

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

CERTIFICATE OF ANALYSIS SMI14000566.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
1428657	Drill Core	8.8	0.6	0.06	<0.005	1	1.4	<0.5
1428658	Drill Core	5.1	0.6	0.07	<0.005	<1	0.6	<0.5
1428659	Drill Core	5.3	0.7	<0.05	<0.005	<1	1.0	<0.5
1428660	Drill Core	12.7	0.8	0.07	<0.005	<1	2.3	<0.5
1428661	Drill Core	6.3	0.9	0.08	0.011	1	0.9	<0.5
1428662	Drill Core	13.2	0.7	0.14	<0.005	<1	1.3	<0.5
1428663	Drill Core	6.5	1.1	0.07	0.020	1	<0.5	<0.5
1428664	Drill Core	12.7	0.8	0.09	0.008	1	1.0	<0.5
1428665	Drill Core	6.8	1.2	<0.05	0.013	<1	0.7	<0.5
1428666	Drill Core	10.0	1.3	<0.05	0.007	<1	0.6	<0.5

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

QUALITY CONTROL REPORT SMI14000566.1

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
REP G1-SMI	QC			0.4	4.1	7.3	32	<0.1	0.8	4.8	641	2.27	4	1.2	3.2	207	0.1	<0.1	<0.1	41	1.80
1428541	Drill Core	4.47	0.129	0.4	353.9	1.5	54	1.0	57.9	40.6	1883	10.23	3	0.4	0.8	327	<0.1	1.1	<0.1	373	5.59
REP 1428541	QC			0.4	352.8	1.7	56	<0.1	58.5	42.3	1923	10.33	2	0.5	0.8	336	<0.1	1.2	<0.1	373	5.72
1428564	Drill Core	5.48	0.074	37.5	1129.1	1.4	23	0.2	49.7	100.4	820	10.11	5	1.3	1.7	314	0.1	1.2	<0.1	225	4.98
REP 1428564	QC		0.099																		
1428576	Drill Core	4.21	0.163	2.6	1769.5	3.1	47	0.2	61.5	44.7	1109	6.50	6	0.8	1.4	378	0.1	0.8	<0.1	237	8.29
REP 1428576	QC		0.154	3.0	1743.6	2.9	47	0.2	60.7	42.9	1092	6.51	6	0.8	1.2	378	<0.1	0.9	<0.1	239	7.54
1428611	Drill Core	4.50	0.056	0.1	776.3	1.0	29	<0.1	46.7	28.3	862	6.23	3	1.0	1.4	412	<0.1	0.3	<0.1	209	5.06
REP 1428611	QC			0.2	801.3	0.9	31	0.1	47.2	27.8	892	6.43	3	1.0	1.4	431	<0.1	0.2	<0.1	215	5.19
1428625	Drill Core	4.62	0.265	24.4	3877.6	1.6	25	0.3	99.2	208.5	788	19.14	4	0.7	0.7	330	<0.1	0.3	<0.1	495	4.93
REP 1428625	QC		0.267																		
1428626	Drill Core	4.69	0.230	17.7	3242.8	1.4	17	0.2	62.0	152.7	655	10.25	4	1.3	1.1	339	<0.1	0.6	<0.1	210	3.53
REP 1428626	QC		0.191																		
1428639	Drill Core	6.08	0.079	0.4	1231.4	1.4	29	0.1	76.9	51.1	756	8.44	2	0.8	0.9	413	<0.1	0.2	<0.1	361	6.03
REP 1428639	QC		0.081																		
1428646	Drill Core	4.25	0.109	2.9	1328.8	1.1	20	0.1	28.3	29.3	493	7.36	2	1.4	1.4	265	<0.1	<0.1	<0.1	309	5.56
REP 1428646	QC			2.5	1358.9	1.5	21	0.1	29.0	30.2	509	7.50	2	1.5	1.5	275	<0.1	0.1	<0.1	316	5.70
1428648	Drill Core	4.82	0.039	0.4	599.6	0.8	43	<0.1	95.6	82.0	1193	9.44	2	0.4	0.5	174	<0.1	0.2	<0.1	414	8.05
REP 1428648	QC		0.028																		
1428658	Drill Core	4.80	0.030	0.2	514.0	2.1	50	0.1	45.9	39.6	1214	7.68	2	0.3	0.3	542	0.1	0.4	<0.1	313	7.74
REP 1428658	QC		0.035																		
Core Reject Duplicates																					
1428447	Drill Core	4.24	0.019	<0.1	295.1	1.0	34	<0.1	99.1	38.4	874	8.88	2	0.1	0.4	213	<0.1	0.3	<0.1	565	8.56
DUP 1428447	QC		0.025	<0.1	284.2	0.8	29	<0.1	108.4	36.4	807	8.55	3	0.1	0.4	215	<0.1	0.3	<0.1	543	8.03
1428548	Drill Core	3.34	0.014	1.1	217.2	0.7	38	<0.1	2.9	21.0	869	6.89	2	1.0	1.4	258	<0.1	0.2	<0.1	218	2.89
DUP 1428548	QC		0.010	1.2	211.0	0.6	40	<0.1	2.7	20.6	860	7.16	1	1.0	1.5	263	<0.1	0.2	<0.1	224	2.42
1428586	Drill Core	6.11	0.017	0.5	144.4	1.2	52	<0.1	134.8	38.7	1077	6.52	3	0.7	1.5	182	<0.1	0.1	<0.1	287	6.09
DUP 1428586	QC		0.014	0.4	141.5	1.1	51	<0.1	134.4	38.4	1075	6.40	3	0.9	1.5	177	0.1	<0.1	<0.1	284	6.53

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

QUALITY CONTROL REPORT SMI14000566.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
REP G1-SMI	QC	0.042	13.3	6	0.51	795	0.225	6.83	3.418	1.62	0.2	52.5	24	0.5	16.3	5.1	0.4	1	7	5.1	<0.1
1428541	Drill Core	0.047	4.4	140	3.95	247	0.432	7.34	2.310	0.63	0.6	19.8	9	0.6	10.6	1.1	<0.1	<1	32	16.8	0.2
REP 1428541	QC	0.048	4.4	147	4.01	255	0.432	7.51	2.367	0.64	0.6	20.6	10	0.6	10.6	1.1	<0.1	<1	32	15.7	0.2
1428564	Drill Core	0.109	7.9	124	3.01	756	0.386	7.73	2.743	1.27	0.7	27.6	17	1.0	15.5	1.5	<0.1	<1	24	11.0	1.5
REP 1428564	QC																				
1428576	Drill Core	0.151	9.7	196	3.48	689	0.478	7.01	1.954	1.52	0.6	33.5	19	0.8	13.4	2.7	0.2	1	29	11.6	0.5
REP 1428576	QC	0.153	8.0	179	3.49	654	0.488	6.85	1.878	1.45	0.6	33.7	16	0.8	12.7	2.8	0.2	1	29	11.2	0.4
1428611	Drill Core	0.109	4.5	131	3.33	145	0.401	7.38	3.756	0.64	0.2	30.7	12	0.7	12.6	0.9	<0.1	<1	24	9.3	0.1
REP 1428611	QC	0.111	4.5	136	3.39	151	0.414	7.53	3.923	0.64	0.2	34.2	12	0.7	12.6	1.0	<0.1	<1	24	9.7	0.1
1428625	Drill Core	0.112	2.5	89	3.30	343	0.417	6.31	1.759	1.23	0.2	16.5	8	1.0	12.2	0.7	<0.1	<1	28	8.6	1.6
REP 1428625	QC																				
1428626	Drill Core	0.135	3.9	41	2.22	115	0.389	7.75	4.778	0.29	0.2	40.6	10	0.8	11.3	1.4	<0.1	<1	18	9.7	1.5
REP 1428626	QC																				
1428639	Drill Core	0.112	6.1	33	2.91	166	0.511	8.79	3.419	0.67	0.1	26.4	15	0.9	14.6	1.3	<0.1	<1	24	10.6	0.4
REP 1428639	QC																				
1428646	Drill Core	0.120	4.4	45	2.64	128	0.396	8.00	4.151	0.33	<0.1	38.8	12	0.8	12.8	1.5	<0.1	<1	26	5.6	0.2
REP 1428646	QC	0.121	4.6	49	2.68	128	0.403	8.22	4.213	0.35	<0.1	39.6	12	0.9	13.0	1.5	<0.1	<1	27	5.7	0.2
1428648	Drill Core	0.193	7.7	290	5.95	115	0.417	6.02	1.476	0.46	0.1	20.1	16	0.7	14.0	0.8	<0.1	<1	55	10.0	0.4
REP 1428648	QC																				
1428658	Drill Core	0.140	3.3	71	3.44	194	0.499	8.79	2.505	0.47	0.1	16.2	9	0.5	12.4	0.5	<0.1	<1	30	10.8	0.1
REP 1428658	QC																				
Core Reject Duplicates																					
1428447	Drill Core	0.082	2.9	452	5.69	64	0.404	6.00	1.177	0.31	0.2	17.8	8	0.6	11.2	0.7	<0.1	<1	37	9.7	<0.1
DUP 1428447	QC	0.074	2.5	438	5.59	61	0.390	5.86	1.218	0.30	<0.1	17.5	7	0.5	10.1	0.7	<0.1	<1	36	10.4	<0.1
1428548	Drill Core	0.162	8.4	3	1.81	1472	0.426	8.18	3.210	3.51	1.4	68.8	22	0.7	15.3	2.1	0.1	<1	16	12.5	<0.1
DUP 1428548	QC	0.169	8.1	2	1.92	1507	0.412	8.41	3.331	3.71	1.3	68.1	20	0.7	15.7	2.1	0.1	<1	16	11.7	<0.1
1428586	Drill Core	0.160	10.4	180	4.26	254	0.443	7.26	2.369	0.78	0.1	27.5	21	0.5	15.1	1.7	<0.1	<1	21	13.3	0.1
DUP 1428586	QC	0.159	11.2	187	4.18	244	0.441	7.25	1.964	0.76	<0.1	26.8	22	0.5	15.2	1.6	<0.1	<1	20	13.5	0.2

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Project: Hat
Report Date: September 18, 2014

QUALITY CONTROL REPORT SMI14000566.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Rb	Hf	In	Re	Se	Te	Tl
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
REP G1-SMI	QC	34.9	1.7	<0.05	<0.005	<1	<0.5	<0.5
1428541	Drill Core	13.1	0.7	0.09	<0.005	<1	0.7	<0.5
REP 1428541	QC	13.7	0.7	0.06	<0.005	1	<0.5	<0.5
1428564	Drill Core	37.3	0.9	0.11	0.184	1	<0.5	<0.5
REP 1428564	QC							
1428576	Drill Core	40.8	1.1	0.09	0.021	<1	1.3	<0.5
REP 1428576	QC	37.6	1.1	<0.05	0.020	<1	0.8	<0.5
1428611	Drill Core	12.9	1.2	0.11	<0.005	<1	1.0	<0.5
REP 1428611	QC	12.1	1.2	0.07	<0.005	<1	1.0	<0.5
1428625	Drill Core	34.6	0.6	<0.05	0.206	4	0.5	<0.5
REP 1428625	QC							
1428626	Drill Core	5.7	1.4	<0.05	0.103	3	0.6	<0.5
REP 1428626	QC							
1428639	Drill Core	14.2	0.9	<0.05	<0.005	1	0.8	<0.5
REP 1428639	QC							
1428646	Drill Core	7.0	1.4	<0.05	0.010	<1	0.7	<0.5
REP 1428646	QC	7.6	1.3	<0.05	0.008	<1	0.6	<0.5
1428648	Drill Core	13.5	0.7	0.07	<0.005	1	2.6	<0.5
REP 1428648	QC							
1428658	Drill Core	5.1	0.6	0.07	<0.005	<1	0.6	<0.5
REP 1428658	QC							
Core Reject Duplicates								
1428447	Drill Core	7.5	0.6	0.07	0.009	<1	0.7	<0.5
DUP 1428447	QC	7.7	0.7	<0.05	<0.005	<1	1.3	<0.5
1428548	Drill Core	37.5	2.2	0.10	<0.005	<1	<0.5	<0.5
DUP 1428548	QC	43.6	2.1	0.08	<0.005	<1	<0.5	<0.5
1428586	Drill Core	24.0	0.9	<0.05	0.008	<1	<0.5	<0.5
DUP 1428586	QC	23.2	0.9	<0.05	0.008	<1	0.6	<0.5

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QUALITY CONTROL REPORT SMI14000566.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428624	Drill Core	4.53	0.334	48.7	5537.3	1.8	21	0.3	100.9	174.6	673	21.74	6	0.6	0.8	389	<0.1	0.3	<0.1	442	4.53
DUP 1428624	QC		0.335	51.7	5498.0	1.7	20	0.3	99.0	171.4	643	21.20	6	0.6	0.8	410	<0.1	0.4	<0.1	434	4.47
1428662	Drill Core	3.53	0.060	0.2	624.2	7.1	53	0.1	48.6	48.8	1406	8.48	3	0.5	0.5	752	<0.1	2.7	<0.1	310	7.26
DUP 1428662	QC		0.061	0.3	631.5	12.2	54	0.1	46.9	52.7	1408	8.58	4	0.6	0.5	757	<0.1	3.4	<0.1	310	7.31
Reference Materials																					
STD OREAS25A-4A	Standard			2.4	36.9	23.8	39	<0.1	45.2	7.4	479	6.50	11	2.7	14.4	46	<0.1	0.6	0.2	164	0.26
STD OREAS25A-4A	Standard			2.4	33.7	25.8	43	<0.1	49.1	8.1	487	6.64	10	2.9	15.5	48	0.2	0.6	0.4	167	0.28
STD OREAS25A-4A	Standard			2.6	38.3	26.9	48	<0.1	51.2	8.6	498	6.86	11	3.1	15.4	46	0.1	0.7	0.4	175	0.28
STD OREAS25A-4A	Standard			2.5	37.9	28.3	52	<0.1	53.2	8.2	517	6.79	9	3.1	15.9	50	0.2	0.7	0.4	169	0.33
STD OREAS25A-4A	Standard			2.4	31.8	25.4	41	<0.1	45.7	7.9	468	6.47	10	2.7	15.5	47	<0.1	0.6	0.3	160	0.27
STD OREAS45E	Standard			2.4	793.8	18.8	39	0.3	481.1	57.6	554	25.65	15	2.5	12.8	18	0.2	0.9	0.2	336	0.10
STD OREAS45E	Standard			2.4	800.1	18.5	47	0.3	495.1	59.9	552	25.54	17	2.4	12.8	18	<0.1	1.0	0.3	333	0.08
STD OREAS45E	Standard			2.3	762.2	19.1	47	0.3	462.0	59.2	571	25.28	15	2.4	12.0	17	<0.1	1.0	0.3	350	0.08
STD OREAS45E	Standard			2.3	796.1	21.2	51	0.3	485.0	64.0	594	27.22	17	2.7	14.2	18	0.2	1.1	0.3	337	0.10
STD OREAS45E	Standard			2.6	765.3	18.1	45	0.3	474.5	60.2	559	25.55	17	2.4	12.4	17	<0.1	1.0	0.3	330	0.08
STD OXD108	Standard		0.414																		
STD OXD108	Standard		0.421																		
STD OXD108	Standard		0.429																		
STD OXD108	Standard		0.436																		
STD OXI121	Standard		1.773																		
STD OXI121	Standard		1.861																		
STD OXI121	Standard		1.830																		
STD OXI121	Standard		1.823																		
STD OXN117	Standard		7.544																		
STD OXN117	Standard		7.675																		
STD OXN117	Standard		7.684																		
STD OXN117	Standard		7.950																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

QUALITY CONTROL REPORT SMI14000566.1

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
1428624	Drill Core	0.095	3.0	22	2.40	146	0.356	6.60	1.891	1.35	0.1	17.0	9	0.7	10.2	0.8	<0.1	<1	21	9.1	1.8
DUP 1428624	QC	0.097	3.0	23	2.37	174	0.353	6.65	1.912	1.34	0.1	18.2	9	0.9	10.4	0.8	<0.1	<1	21	9.8	1.7
1428662	Drill Core	0.120	3.5	81	3.49	97	0.509	8.43	2.713	0.43	0.4	18.9	10	0.8	14.5	0.8	<0.1	<1	32	14.7	0.2
DUP 1428662	QC	0.118	3.5	87	3.49	93	0.513	8.09	2.583	0.40	0.4	19.0	10	0.8	13.9	0.8	<0.1	<1	31	15.0	0.3
Reference Materials																					
STD OREAS25A-4A	Standard	0.042	21.1	110	0.33	142	0.885	9.10	0.124	0.46	1.8	152.4	43	3.8	10.1	19.2	1.5	<1	14	37.4	<0.1
STD OREAS25A-4A	Standard	0.052	21.4	122	0.34	151	0.943	8.91	0.142	0.49	1.8	149.1	48	4.3	10.3	19.8	1.5	<1	14	39.0	<0.1
STD OREAS25A-4A	Standard	0.050	19.8	127	0.35	149	0.940	8.57	0.150	0.50	2.1	167.0	43	4.2	10.0	21.5	1.5	1	14	40.4	<0.1
STD OREAS25A-4A	Standard	0.049	21.5	126	0.34	156	0.928	8.88	0.148	0.50	1.9	165.4	45	4.1	10.2	20.6	1.5	<1	14	43.1	<0.1
STD OREAS25A-4A	Standard	0.050	21.4	116	0.33	152	0.953	8.74	0.142	0.47	2.1	154.1	47	3.8	10.3	20.5	1.5	1	13	41.4	<0.1
STD OREAS45E	Standard	0.033	10.8	1008	0.18	244	0.521	6.89	0.058	0.31	1.1	91.2	22	1.0	7.4	6.3	0.5	<1	98	6.1	<0.1
STD OREAS45E	Standard	0.034	10.4	995	0.17	248	0.529	6.86	0.063	0.33	1.0	95.5	23	1.3	7.9	6.3	0.5	<1	96	6.9	<0.1
STD OREAS45E	Standard	0.035	7.6	952	0.16	246	0.523	6.57	0.068	0.33	1.0	94.1	18	1.3	6.5	6.1	0.5	<1	89	7.0	<0.1
STD OREAS45E	Standard	0.034	11.2	1021	0.17	259	0.533	7.23	0.074	0.33	1.0	105.1	23	1.3	8.1	6.4	0.5	<1	98	7.8	<0.1
STD OREAS45E	Standard	0.036	10.3	1006	0.16	239	0.544	6.86	0.062	0.32	0.9	100.1	23	1.2	7.7	6.4	0.5	<1	93	7.1	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

QUALITY CONTROL REPORT SMI14000566.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
1428624	Drill Core	35.9	0.6	<0.05	0.256	6	<0.5	<0.5
DUP 1428624	QC	36.4	0.6	<0.05	0.271	6	0.6	<0.5
1428662	Drill Core	13.2	0.7	0.14	<0.005	<1	1.3	<0.5
DUP 1428662	QC	7.5	0.7	0.13	<0.005	<1	1.3	<0.5
Reference Materials								
STD OREAS25A-4A	Standard	57.7	4.3	0.08	<0.005	<1	<0.5	<0.5
STD OREAS25A-4A	Standard	60.4	4.3	0.10	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	59.8	4.3	0.07	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	62.3	4.4	0.08	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	60.2	4.3	0.10	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	20.2	2.8	0.05	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	21.4	2.7	0.09	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	18.3	2.8	0.09	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	24.2	3.2	0.13	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	22.2	2.9	0.10	<0.005	2	<0.5	<0.5
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OREAS25A-4A		61	4.53					0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

QUALITY CONTROL REPORT SMI14000566.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	2	<0.1	<0.1	<1	0.1	<0.1	<0.1	<1	0.01
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.2	<0.1	<1	<0.1	0.2	<0.2	4	<0.01	<1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<1	0.02
BLK	Blank			<0.1	0.3	<0.1	<1	<0.1	0.4	<0.2	4	<0.01	<1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<1	0.03
BLK	Blank			<0.1	0.5	<0.1	1	<0.1	0.3	<0.2	<1	<0.01	1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
G1-SMI	Prep Blank		<0.005	1.2	4.9	3.2	37	<0.1	0.9	3.9	681	2.17	2	1.3	3.1	205	<0.1	0.2	<0.1	40	1.66
G1-SMI	Prep Blank		<0.005																		
G1-SMI	Prep Blank			0.8	5.3	7.0	34	<0.1	0.8	4.9	639	2.32	4	1.2	3.0	206	0.1	<0.1	<0.1	42	1.77

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

QUALITY CONTROL REPORT SMI14000566.1

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	3	<0.01	<1	<0.001	<0.01	0.009	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.1	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	0.021	<0.01	<0.1	0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	0.2	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	0.040	13.3	15	0.49	816	0.227	6.68	3.400	1.56	0.3	52.7	23	0.7	16.5	5.6	0.4	1	7	4.7	<0.1
G1-SMI	Prep Blank																				
G1-SMI	Prep Blank	0.038	13.2	7	0.53	811	0.235	6.99	3.503	1.58	0.3	52.4	23	0.6	15.2	5.5	0.4	<1	7	5.0	<0.1

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Bureau Veritas Commodities Canada Ltd.
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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 18, 2014

QUALITY CONTROL REPORT SMI14000566.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
STD OXD108 Expected								
STD OXN117 Expected								
STD OXI121 Expected								
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.3	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank							
BLK	Blank							
Prep Wash								
G1-SMI	Prep Blank	37.0	1.7	0.05	<0.005	<1	<0.5	<0.5
G1-SMI	Prep Blank							
G1-SMI	Prep Blank	34.7	1.8	<0.05	0.006	<1	<0.5	<0.5

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Farshad Shirvani
Receiving Lab: Canada-Smithers
Received: August 29, 2014
Report Date: September 20, 2014
Page: 1 of 11

CERTIFICATE OF ANALYSIS SMI14000603.1

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 273

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme 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
PRP70-500	273	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	273	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	273	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA404	9	4 Acid Digest AAS Finish for Cu VAN	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Terracad Geoscience Services Ltd.
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC: Email Distribution List

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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All results are considered the confidential property of the client. Acme 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.

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428701	Drill Core	3.59	0.014	0.2	141.0	1.4	36	<0.1	51.5	39.4	1333	6.86	3	0.7	1.1	406	<0.1	0.2	<0.1	279	6.92
1428702	Drill Core	3.88	0.014	5.9	163.5	1.4	38	<0.1	46.1	45.0	1390	6.54	2	0.6	0.9	363	<0.1	0.3	<0.1	205	6.23
1428703	Drill Core	4.59	0.014	2.3	283.9	1.7	42	0.1	41.1	59.8	1641	8.19	3	0.6	1.1	428	<0.1	0.4	<0.1	279	6.50
1428704	Drill Core	4.74	0.013	4.6	123.4	1.9	42	<0.1	38.4	72.3	1717	8.45	2	0.9	1.5	447	<0.1	0.9	<0.1	290	6.23
1428705	Drill Core	4.86	0.034	0.8	425.7	1.6	38	0.2	38.6	56.7	1458	8.09	3	0.8	1.1	371	<0.1	0.3	<0.1	267	6.18
1428706	Drill Core	5.38	0.098	15.6	1399.0	2.2	42	0.3	43.0	90.8	1309	9.18	15	1.0	0.9	276	<0.1	0.4	<0.1	268	6.14
1428707	Drill Core	5.01	0.126	26.1	1099.2	4.0	52	0.5	66.8	159.7	1982	11.55	9	1.2	1.2	250	<0.1	0.6	<0.1	271	5.46
1428708	Drill Core	5.10	0.154	10.7	1190.7	11.2	77	0.5	63.7	107.3	1158	8.12	11	0.6	1.1	389	0.2	0.6	<0.1	266	6.08
1428709	Drill Core	5.08	0.029	4.7	266.3	1.3	35	0.1	59.2	34.2	1257	8.08	3	0.8	1.2	313	<0.1	0.4	<0.1	272	6.33
1428710	Drill Core	4.96	0.029	1.9	255.9	1.1	35	<0.1	61.9	30.1	967	7.75	3	0.7	1.3	317	<0.1	0.3	<0.1	273	6.55
1428711	Drill Core	4.48	0.073	2.8	191.4	3.4	29	<0.1	38.1	30.1	1126	7.57	3	1.0	1.2	381	<0.1	0.3	<0.1	277	5.64
1428712	Drill Core	4.52	0.011	0.6	91.8	1.1	35	<0.1	47.8	27.0	1138	7.32	3	0.6	1.2	374	<0.1	0.2	<0.1	291	6.95
1428713	Drill Core	5.61	0.015	0.4	123.5	1.0	34	<0.1	45.6	27.0	1207	7.95	3	0.7	1.2	380	<0.1	0.3	<0.1	291	6.30
1428714	Drill Core	5.12	0.058	10.8	506.9	2.0	38	0.4	40.1	62.5	1573	10.06	4	1.0	1.3	287	<0.1	0.4	<0.1	277	5.63
1428715	Drill Core	5.25	0.043	19.9	190.8	1.6	45	0.2	47.9	39.6	1280	7.91	3	0.9	1.4	374	<0.1	0.2	<0.1	304	6.13
1428716	Drill Core	5.55	0.008	0.6	76.9	1.0	46	<0.1	53.7	32.1	1358	7.03	3	0.5	1.3	398	<0.1	0.3	<0.1	282	6.79
1428717	Drill Core	5.31	<0.005	0.3	34.4	1.0	47	<0.1	52.3	27.6	1374	6.58	2	0.5	1.3	383	<0.1	0.2	<0.1	249	7.17
1428718	Drill Core	4.53	0.010	0.3	177.5	1.0	49	<0.1	48.9	30.2	1555	7.73	3	0.6	0.8	446	<0.1	0.7	<0.1	275	6.72
1428719	Drill Core	5.07	0.011	0.3	103.9	1.1	40	<0.1	47.7	27.9	1311	7.73	2	0.7	1.4	427	<0.1	0.3	<0.1	284	6.26
1428720	Drill Core	5.32	0.054	2.7	582.8	1.5	48	0.2	45.7	66.4	1275	8.37	6	1.0	1.8	411	<0.1	0.3	<0.1	269	6.45
1428721	Drill Core	5.44	0.297	67.6	2456.8	7.2	138	1.2	51.2	200.4	1515	10.51	7	1.0	1.3	326	0.3	0.5	<0.1	264	4.83
1428722	Drill Core	5.30	0.402	72.4	2607.4	5.0	52	1.2	44.2	329.3	1343	13.05	8	2.6	1.7	332	<0.1	0.8	<0.1	306	5.15
1428723	Drill Core	5.87	2.102	2.7	179.5	1.5	33	2.6	11.5	23.2	1380	8.37	3	2.2	1.6	330	<0.1	0.6	<0.1	338	5.20
1428724	Drill Core	4.67	0.040	2.0	535.3	1.1	36	0.2	33.4	45.6	1379	7.43	3	0.8	1.2	421	<0.1	0.3	<0.1	255	5.24
1428725	Drill Core	5.27	0.012	3.2	367.4	2.3	44	0.2	34.6	48.7	1616	7.62	3	1.0	1.4	399	0.1	0.4	<0.1	278	5.53
1428726	Drill Core	7.05	0.075	6.1	780.2	3.3	44	0.3	33.2	52.0	1871	9.16	4	1.0	1.4	301	0.1	0.4	<0.1	257	5.44
1428727	Drill Core	3.62	0.101	3.2	683.3	4.2	49	0.3	34.0	79.3	1698	9.19	7	1.1	1.3	274	<0.1	0.6	<0.1	248	5.47
1428728	Drill Core	3.86	0.025	1.2	253.9	1.1	33	0.2	43.6	32.6	1237	8.42	4	0.8	1.9	362	<0.1	0.4	<0.1	294	6.34
1428729	Drill Core	5.10	0.027	1.9	230.4	1.2	34	<0.1	31.1	29.2	1314	7.32	3	0.7	0.9	439	<0.1	0.3	<0.1	254	5.88
1428730	Drill Core	5.19	0.026	2.1	240.3	1.5	35	<0.1	42.9	58.7	1171	7.78	4	0.6	1.0	433	<0.1	0.3	<0.1	256	5.95

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428701	Drill Core	0.091	6.2	105	3.55	372	0.438	8.31	2.592	0.94	0.2	18.3	12	0.6	11.6	1.0	<0.1	<1	29	9.6	0.2
1428702	Drill Core	0.066	7.0	135	3.25	322	0.359	8.72	3.417	0.88	0.2	19.7	12	0.5	11.2	0.9	<0.1	<1	27	10.0	0.4
1428703	Drill Core	0.083	9.7	100	3.30	355	0.452	8.22	3.002	0.81	0.2	21.6	16	0.8	12.8	1.0	<0.1	<1	27	10.0	0.3
1428704	Drill Core	0.090	13.9	85	3.08	403	0.497	8.90	2.959	0.83	0.4	24.2	22	1.0	12.9	1.0	<0.1	<1	24	11.0	0.4
1428705	Drill Core	0.094	11.6	88	3.15	412	0.484	8.47	3.062	0.91	0.4	26.1	19	0.9	13.1	1.1	<0.1	<1	27	12.0	0.4
1428706	Drill Core	0.038	17.9	99	3.28	365	0.448	7.88	2.487	0.89	0.4	23.5	23	1.1	11.6	0.8	<0.1	<1	28	13.6	1.3
1428707	Drill Core	0.077	19.0	101	3.22	349	0.401	7.43	2.418	0.73	0.5	29.8	25	1.0	10.7	1.1	<0.1	<1	27	16.2	3.5
1428708	Drill Core	0.085	10.9	105	3.04	425	0.430	8.76	2.383	1.17	0.4	18.0	16	0.7	8.7	1.0	<0.1	<1	21	16.1	1.5
1428709	Drill Core	0.072	9.3	180	4.18	321	0.446	7.57	2.521	0.87	0.3	20.5	15	1.0	12.3	1.0	<0.1	<1	36	12.7	0.4
1428710	Drill Core	0.082	6.2	189	4.25	285	0.439	7.64	2.745	0.83	0.1	23.1	12	0.8	11.9	1.2	<0.1	<1	35	12.4	0.2
1428711	Drill Core	0.088	10.7	120	3.37	269	0.467	7.93	3.163	0.79	0.3	22.9	18	0.8	11.8	1.2	<0.1	<1	27	12.4	0.3
1428712	Drill Core	0.083	6.9	103	3.48	299	0.473	8.03	2.981	0.70	0.2	23.8	14	0.4	13.0	1.0	<0.1	<1	31	11.0	0.2
1428713	Drill Core	0.079	6.4	119	3.63	295	0.485	7.84	2.736	0.74	0.2	25.8	13	0.6	11.9	0.9	<0.1	<1	30	12.3	0.2
1428714	Drill Core	0.059	7.2	108	3.38	821	0.456	7.69	2.313	0.98	0.7	27.7	12	0.8	12.0	0.9	<0.1	1	30	14.2	1.0
1428715	Drill Core	0.083	13.4	117	3.65	801	0.500	8.01	2.706	1.23	0.2	27.9	21	0.8	13.1	1.0	<0.1	<1	31	14.3	0.3
1428716	Drill Core	0.070	6.6	119	3.68	291	0.461	7.89	2.886	0.80	0.2	30.7	13	0.4	13.0	0.9	<0.1	<1	32	10.7	0.1
1428717	Drill Core	0.042	4.7	135	3.90	280	0.439	8.05	2.615	0.82	0.1	24.7	10	0.4	12.2	0.9	<0.1	1	35	10.9	<0.1
1428718	Drill Core	0.038	4.0	120	3.64	270	0.435	7.54	2.585	0.68	0.2	21.1	9	0.5	10.8	0.8	<0.1	<1	31	9.9	0.1
1428719	Drill Core	0.089	6.0	96	3.36	370	0.457	7.98	2.856	0.85	0.2	21.8	13	0.5	12.1	1.0	<0.1	<1	26	10.5	0.1
1428720	Drill Core	0.084	9.0	102	3.19	296	0.475	8.27	3.027	0.64	0.3	30.4	16	0.7	13.0	1.2	<0.1	<1	29	10.6	1.2
1428721	Drill Core	0.102	18.3	87	3.11	466	0.453	7.73	2.589	1.15	0.5	20.1	26	0.9	12.1	1.0	<0.1	<1	25	15.0	2.9
1428722	Drill Core	0.120	6.9	19	2.60	218	0.385	7.47	3.001	0.47	0.4	33.6	18	1.5	12.5	1.2	<0.1	<1	27	9.2	5.1
1428723	Drill Core	0.136	8.2	14	2.73	310	0.429	7.82	3.577	0.69	0.3	37.9	21	1.2	13.3	1.4	<0.1	<1	27	9.9	0.1
1428724	Drill Core	0.078	8.6	68	2.94	287	0.426	8.14	3.445	0.71	0.3	28.6	15	1.0	13.8	1.0	<0.1	<1	23	8.6	0.6
1428725	Drill Core	0.100	9.8	94	3.04	344	0.469	7.96	3.116	0.86	0.3	33.2	18	1.0	14.0	0.9	<0.1	1	27	9.3	0.3
1428726	Drill Core	0.063	4.0	96	3.09	1288	0.432	7.55	1.740	2.29	0.3	33.7	10	0.9	12.5	0.9	<0.1	<1	27	8.4	0.4
1428727	Drill Core	0.058	10.5	116	3.14	386	0.439	7.60	2.320	0.74	0.6	27.9	17	1.1	12.1	0.8	<0.1	<1	29	12.0	0.5
1428728	Drill Core	0.167	11.0	117	3.45	218	0.484	7.72	2.847	0.58	0.3	24.6	21	0.9	14.5	0.9	<0.1	<1	33	10.3	0.2
1428729	Drill Core	0.104	5.7	63	2.74	336	0.453	8.24	3.350	0.77	0.3	21.8	12	0.6	12.5	1.0	<0.1	<1	21	9.6	0.2
1428730	Drill Core	0.065	5.1	98	3.10	330	0.439	8.08	3.007	0.92	0.2	23.4	10	0.6	11.5	0.9	<0.1	<1	27	11.8	0.4

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428701	Drill Core	16.4	0.7	0.06	<0.005	<1	1.0	<0.5	
1428702	Drill Core	14.1	0.8	0.07	0.013	<1	1.3	<0.5	
1428703	Drill Core	14.4	0.9	0.07	0.013	<1	1.4	<0.5	
1428704	Drill Core	18.3	0.9	0.12	0.032	<1	1.0	<0.5	
1428705	Drill Core	17.5	1.0	0.10	<0.005	<1	0.5	<0.5	
1428706	Drill Core	19.5	1.0	0.18	0.053	<1	0.9	<0.5	
1428707	Drill Core	17.5	1.0	0.09	0.077	1	1.6	<0.5	
1428708	Drill Core	18.5	0.6	0.11	0.159	<1	0.9	<0.5	
1428709	Drill Core	21.2	0.8	0.12	0.007	<1	1.2	<0.5	
1428710	Drill Core	18.7	0.9	0.11	0.007	<1	1.3	<0.5	
1428711	Drill Core	10.9	0.8	0.14	0.005	<1	1.3	<0.5	
1428712	Drill Core	14.8	0.9	0.09	<0.005	<1	1.3	<0.5	
1428713	Drill Core	10.5	0.9	0.14	<0.005	<1	1.2	<0.5	
1428714	Drill Core	22.5	1.0	0.10	0.032	<1	1.0	<0.5	
1428715	Drill Core	22.5	1.1	0.08	0.020	<1	1.6	<0.5	
1428716	Drill Core	15.9	1.2	0.08	<0.005	<1	2.1	<0.5	
1428717	Drill Core	21.3	0.9	<0.05	<0.005	<1	1.7	<0.5	
1428718	Drill Core	11.9	0.8	0.06	<0.005	<1	0.9	<0.5	
1428719	Drill Core	12.4	0.9	0.08	<0.005	<1	0.8	<0.5	
1428720	Drill Core	14.1	1.2	0.11	0.009	<1	1.1	<0.5	
1428721	Drill Core	24.3	0.8	0.15	0.187	2	0.7	<0.5	
1428722	Drill Core	10.8	1.2	0.13	0.249	2	0.7	<0.5	
1428723	Drill Core	11.0	1.3	0.07	0.006	<1	0.5	<0.5	
1428724	Drill Core	13.0	1.1	0.05	0.005	<1	1.0	<0.5	
1428725	Drill Core	12.7	1.2	0.12	0.007	<1	0.6	<0.5	
1428726	Drill Core	33.6	1.2	0.05	0.024	<1	0.7	<0.5	
1428727	Drill Core	18.6	0.9	0.13	0.011	<1	0.5	<0.5	
1428728	Drill Core	12.0	0.9	0.11	<0.005	<1	0.8	<0.5	
1428729	Drill Core	13.4	0.9	0.06	0.006	<1	0.9	<0.5	
1428730	Drill Core	19.0	0.9	0.08	0.006	<1	0.7	<0.5	

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Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428731	Drill Core	4.96	0.077	4.9	1116.4	4.3	53	0.4	55.3	130.9	1041	9.31	4	0.8	1.4	330	0.2	0.3	<0.1	274	5.27
1428732	Drill Core	5.39	0.059	1.7	756.6	1.8	47	0.3	42.6	82.5	1487	8.62	4	0.7	0.9	373	<0.1	0.3	<0.1	283	5.88
1428733	Drill Core	4.08	0.079	0.6	613.5	1.6	45	0.4	41.9	40.9	1115	7.90	3	0.7	1.3	358	<0.1	0.2	<0.1	294	5.69
1428734	Drill Core	2.78	0.226	0.8	2408.1	3.3	92	0.7	41.9	91.8	1306	7.46	14	1.0	1.4	246	0.3	0.3	<0.1	248	6.46
1428735	Drill Core	3.46	0.528	3.2	4057.4	4.1	72	1.4	57.0	174.3	1091	8.20	11	1.1	1.4	312	0.4	0.5	0.2	266	5.31
1428736	Drill Core	3.13	0.345	12.9	2089.2	7.3	132	1.0	44.2	124.6	1810	7.61	8	1.2	1.2	255	0.6	0.6	0.1	252	7.89
1428737	Drill Core	5.57	0.049	0.6	432.9	1.4	51	0.1	54.9	33.9	1220	7.44	3	0.5	1.0	400	0.2	0.2	<0.1	296	6.45
1428738	Drill Core	3.65	0.034	0.7	925.2	3.6	63	0.4	52.0	53.1	1680	7.97	5	0.4	0.9	349	<0.1	0.4	<0.1	281	5.62
1428739	Drill Core	5.69	0.074	0.5	480.9	1.5	53	0.2	56.3	43.9	1236	7.26	4	0.4	0.9	376	0.2	0.2	<0.1	269	6.27
1428740	Drill Core	2.92	0.127	6.8	2157.8	2.8	85	0.7	46.6	94.2	2796	9.49	8	1.0	1.0	241	0.3	0.8	<0.1	256	7.51
1428741	Drill Core	4.41	0.393	7.2	4291.7	2.7	142	1.1	53.1	68.1	1917	9.82	6	0.6	0.7	316	0.4	0.5	<0.1	275	5.95
1428742	Drill Core	5.98	0.039	2.5	924.7	1.4	57	0.3	44.2	58.7	1639	8.07	5	0.8	0.9	384	0.3	0.6	<0.1	274	5.75
1428743	Drill Core	5.28	0.470	1.4	2877.6	3.9	128	0.7	56.7	64.7	1447	8.57	5	0.6	0.9	358	0.4	0.3	<0.1	308	6.44
1428744	Drill Core	5.54	0.045	0.9	317.8	0.9	30	<0.1	49.2	32.3	860	8.71	2	0.8	0.6	319	<0.1	0.2	<0.1	296	5.83
1428745	Drill Core	5.00	0.132	1.6	879.3	1.1	33	0.2	45.1	39.5	944	8.95	2	0.7	0.9	323	<0.1	0.2	<0.1	296	5.89
1428746	Drill Core	5.19	0.064	0.3	387.4	1.1	42	<0.1	49.1	42.9	1154	7.66	1	0.4	1.0	346	<0.1	0.3	<0.1	308	6.41
1428747	Drill Core	5.62	0.059	0.6	403.9	1.1	35	0.1	62.1	35.9	1036	7.84	2	0.7	0.8	416	<0.1	0.3	<0.1	338	6.73
1428748	Drill Core	4.87	0.010	0.2	74.8	0.7	29	<0.1	394.5	50.8	944	9.27	10	0.6	1.2	241	<0.1	0.4	<0.1	317	5.25
1428749	Drill Core	2.29	<0.005	0.2	24.4	0.2	26	<0.1	738.4	43.8	697	9.60	8	0.5	0.9	33	<0.1	0.2	<0.1	291	3.71
1428750	Drill Core	2.53	0.005	0.1	37.3	0.3	27	<0.1	733.1	46.6	694	9.70	8	0.4	1.0	33	<0.1	0.3	<0.1	291	3.72
1428751	Drill Core	5.36	0.006	1.1	47.9	0.9	30	<0.1	281.3	37.0	845	7.86	2	1.0	1.2	229	0.1	0.4	<0.1	283	4.86
1428752	Drill Core	3.26	0.064	0.4	555.8	1.2	37	0.1	95.4	94.5	994	8.93	4	0.9	1.0	397	<0.1	0.4	<0.1	278	5.17
1428753	Drill Core	6.14	0.032	2.5	296.1	1.4	33	<0.1	17.2	27.5	844	7.33	3	1.6	1.5	356	<0.1	0.4	<0.1	300	5.19
1428754	Drill Core	4.03	0.122	3.3	4520.5	1.8	516	1.8	115.0	111.8	1466	9.60	4	0.6	1.1	241	2.2	0.9	<0.1	264	5.28
1428755	Drill Core	4.68	0.026	1.0	411.2	1.1	34	<0.1	48.9	45.7	1011	7.21	2	0.8	1.2	343	<0.1	0.3	<0.1	268	5.18
1428756	Drill Core	5.24	0.124	2.3	1284.7	1.4	44	0.3	64.1	71.4	1079	7.93	3	0.7	1.2	350	0.1	0.2	<0.1	268	5.26
1428757	Drill Core	5.51	0.041	1.2	851.3	1.1	45	0.2	57.2	136.0	1136	9.56	3	0.8	1.0	264	<0.1	0.4	<0.1	273	5.26
1428758	Drill Core	4.98	0.038	3.0	1523.3	1.3	47	0.3	35.5	90.0	1167	6.51	4	1.0	1.5	428	0.2	0.6	<0.1	214	5.12
1428759	Drill Core	5.38	0.049	4.2	1012.5	1.8	54	0.2	40.6	105.7	1328	8.36	4	1.0	1.2	320	<0.1	0.4	<0.1	292	5.47
1428760	Drill Core	5.60	0.019	4.7	769.5	1.4	47	0.2	38.6	51.9	1420	7.83	2	0.8	0.8	482	0.2	1.3	<0.1	245	5.47

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428731	Drill Core	0.110	14.0	140	3.59	301	0.425	7.64	2.477	0.78	0.3	24.2	20	1.1	12.5	1.1	<0.1	<1	29	14.6	1.4
1428732	Drill Core	0.089	6.3	103	3.56	773	0.484	7.84	2.351	1.27	0.4	23.0	12	0.9	11.1	1.0	<0.1	<1	30	11.5	0.5
1428733	Drill Core	0.089	7.7	111	3.14	398	0.495	8.27	2.842	0.87	0.4	21.7	14	0.7	11.7	1.0	<0.1	<1	32	12.7	0.3
1428734	Drill Core	0.075	7.2	99	2.25	230	0.449	7.75	2.501	0.73	0.7	24.8	14	0.8	10.8	0.9	<0.1	<1	29	8.8	0.9
1428735	Drill Core	0.074	12.3	91	3.12	252	0.468	7.98	2.918	0.71	0.4	21.4	20	1.4	13.2	0.7	<0.1	<1	30	10.9	2.3
1428736	Drill Core	0.109	12.3	66	2.53	230	0.459	8.13	2.479	0.57	0.7	21.4	21	0.9	13.2	0.9	<0.1	<1	28	8.9	0.9
1428737	Drill Core	0.075	5.4	140	4.00	384	0.476	8.11	2.522	0.75	0.2	25.7	12	0.5	11.6	0.7	<0.1	<1	34	12.5	0.2
1428738	Drill Core	0.068	5.2	157	3.83	320	0.467	7.95	2.737	0.66	0.4	28.8	11	0.7	11.2	0.7	<0.1	<1	35	14.6	0.3
1428739	Drill Core	0.050	5.2	165	3.80	279	0.474	8.09	2.753	0.72	0.2	30.0	11	0.6	12.2	0.6	<0.1	<1	31	14.2	0.2
1428740	Drill Core	0.067	5.6	156	3.81	374	0.428	7.73	1.771	0.77	0.8	26.9	11	1.2	12.0	0.8	<0.1	<1	33	15.4	0.6
1428741	Drill Core	0.078	3.4	181	3.92	489	0.458	8.26	2.582	0.74	0.4	24.6	8	0.6	11.2	0.8	<0.1	<1	32	14.6	0.6
1428742	Drill Core	0.070	6.2	137	3.87	313	0.473	8.40	3.158	0.66	0.4	28.1	12	0.9	13.0	0.8	<0.1	1	31	12.3	0.3
1428743	Drill Core	0.069	4.5	192	4.32	435	0.486	8.15	2.512	0.72	0.3	26.6	9	0.7	11.8	0.9	<0.1	<1	37	15.3	0.5
1428744	Drill Core	0.060	3.8	206	4.24	246	0.432	6.95	2.454	0.56	0.2	16.3	8	0.8	11.2	0.8	<0.1	<1	36	14.6	0.2
1428745	Drill Core	0.069	4.6	149	3.76	385	0.463	7.91	2.671	0.72	0.2	28.0	9	0.8	10.8	1.0	<0.1	<1	31	11.8	0.3
1428746	Drill Core	0.071	6.2	149	4.07	346	0.475	8.12	2.549	0.81	0.1	25.5	13	0.6	12.4	0.9	<0.1	1	34	11.1	0.2
1428747	Drill Core	0.093	6.2	151	4.53	417	0.516	8.47	2.658	0.85	0.1	15.2	13	0.7	13.8	0.9	<0.1	<1	35	14.4	0.2
1428748	Drill Core	0.077	8.2	596	8.93	218	0.437	7.17	1.249	1.14	0.3	20.6	16	0.6	10.2	0.8	<0.1	<1	38	16.3	0.1
1428749	Drill Core	0.074	4.3	1301	12.87	39	0.319	5.19	0.133	1.10	0.3	11.0	10	0.4	6.1	0.6	<0.1	1	35	27.8	<0.1
1428750	Drill Core	0.077	5.0	1211	12.98	43	0.330	5.56	0.135	1.24	0.2	11.8	12	0.5	6.1	0.5	<0.1	<1	39	30.0	<0.1
1428751	Drill Core	0.085	8.2	434	6.64	337	0.396	6.57	1.659	0.75	0.3	26.1	18	1.1	11.1	0.9	<0.1	<1	26	19.1	<0.1
1428752	Drill Core	0.081	6.4	134	3.85	338	0.428	7.77	2.786	0.72	4.0	23.4	14	1.6	11.3	1.0	<0.1	<1	27	10.2	1.2
1428753	Drill Core	0.136	7.3	37	2.82	115	0.436	8.87	4.393	0.38	0.4	47.5	18	1.1	14.8	1.6	<0.1	1	23	12.8	0.1
1428754	Drill Core	0.068	5.1	370	5.36	196	0.378	6.69	1.490	0.47	0.4	22.9	9	1.2	9.9	0.9	<0.1	<1	30	14.5	1.1
1428755	Drill Core	0.088	6.1	113	3.46	215	0.470	8.15	3.199	0.61	0.9	23.3	12	0.9	12.0	1.1	0.1	<1	25	14.6	0.3
1428756	Drill Core	0.053	5.7	177	4.20	198	0.445	7.80	3.036	0.64	0.3	24.8	12	1.1	11.5	1.2	<0.1	1	31	13.5	0.6
1428757	Drill Core	0.059	6.6	181	4.44	187	0.407	6.93	2.401	0.65	0.3	28.2	12	1.1	11.7	0.9	<0.1	<1	38	11.0	1.5
1428758	Drill Core	0.099	6.7	72	3.21	940	0.414	9.18	3.567	1.08	0.3	25.7	13	1.4	13.5	1.2	<0.1	<1	22	10.6	0.9
1428759	Drill Core	0.084	5.6	141	4.10	221	0.477	8.20	3.172	0.76	0.5	29.6	12	1.3	13.4	0.9	<0.1	<1	31	12.3	0.7
1428760	Drill Core	0.066	4.9	163	3.80	363	0.419	7.46	2.505	0.62	0.5	23.3	11	1.3	12.6	1.2	<0.1	<1	31	10.1	0.4

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428731	Drill Core	24.0	0.9	0.12	0.018	1	0.9	<0.5	
1428732	Drill Core	24.2	0.9	<0.05	0.013	<1	0.8	<0.5	
1428733	Drill Core	23.4	0.8	0.08	<0.005	<1	0.6	<0.5	
1428734	Drill Core	24.3	0.9	0.10	0.014	3	0.6	<0.5	
1428735	Drill Core	23.5	0.9	0.11	0.029	2	0.5	<0.5	
1428736	Drill Core	20.9	0.9	0.09	0.041	<1	<0.5	<0.5	
1428737	Drill Core	17.6	0.7	<0.05	<0.005	<1	<0.5	<0.5	
1428738	Drill Core	18.7	0.9	0.14	0.007	<1	<0.5	<0.5	
1428739	Drill Core	17.3	0.9	0.07	<0.005	<1	<0.5	<0.5	
1428740	Drill Core	18.2	0.8	0.10	0.041	<1	<0.5	<0.5	
1428741	Drill Core	20.6	0.8	0.17	0.020	<1	<0.5	<0.5	
1428742	Drill Core	14.7	1.1	0.15	0.020	<1	<0.5	<0.5	
1428743	Drill Core	21.4	1.0	0.14	0.022	<1	<0.5	<0.5	
1428744	Drill Core	15.9	0.5	0.05	<0.005	<1	<0.5	<0.5	
1428745	Drill Core	19.9	1.0	0.11	<0.005	<1	<0.5	<0.5	
1428746	Drill Core	21.3	0.9	<0.05	0.009	<1	<0.5	<0.5	
1428747	Drill Core	25.0	0.7	0.08	<0.005	<1	<0.5	<0.5	
1428748	Drill Core	42.9	0.7	<0.05	<0.005	<1	<0.5	<0.5	
1428749	Drill Core	45.5	0.4	0.09	<0.005	<1	<0.5	<0.5	
1428750	Drill Core	52.1	0.5	<0.05	<0.005	<1	<0.5	<0.5	
1428751	Drill Core	23.7	0.9	0.08	<0.005	<1	<0.5	<0.5	
1428752	Drill Core	15.2	0.8	0.06	0.016	<1	<0.5	<0.5	
1428753	Drill Core	8.0	1.7	0.06	<0.005	<1	<0.5	<0.5	
1428754	Drill Core	14.7	0.7	0.12	0.012	<1	<0.5	<0.5	
1428755	Drill Core	16.6	0.8	0.11	0.007	<1	<0.5	<0.5	
1428756	Drill Core	16.8	0.8	0.08	0.017	<1	<0.5	<0.5	
1428757	Drill Core	19.2	1.0	0.10	0.009	<1	<0.5	<0.5	
1428758	Drill Core	26.3	0.9	0.07	0.023	<1	<0.5	<0.5	
1428759	Drill Core	18.5	1.1	0.07	0.035	<1	<0.5	<0.5	
1428760	Drill Core	19.8	0.9	0.10	0.026	<1	<0.5	<0.5	

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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428761	Drill Core	4.63	0.389	9.5	4938.8	2.4	114	1.2	57.2	191.7	1931	10.48	7	1.1	0.9	312	0.6	0.9	0.2	288	5.24
1428762	Drill Core	4.76	0.110	32.1	3253.9	3.4	46	0.7	49.0	131.4	1160	33.42	9	0.6	0.8	185	0.1	0.8	0.2	493	4.45
1428763	Drill Core	5.44	0.254	1.9	3371.3	10.5	48	0.8	67.9	176.5	1010	13.52	4	0.8	1.1	328	0.2	0.5	0.1	301	5.51
1428764	Drill Core	5.71	0.357	1.5	4678.5	1.7	43	0.7	58.3	262.9	910	12.23	5	0.8	1.0	323	0.2	0.4	0.1	299	5.98
1428765	Drill Core	5.22	0.061	1.3	382.5	1.3	31	<0.1	44.1	52.1	951	9.12	3	0.8	0.9	438	<0.1	0.3	<0.1	318	6.62
1428766	Drill Core	5.16	0.068	137.1	822.8	1.7	33	0.1	49.3	196.7	974	9.10	5	1.2	1.0	348	<0.1	0.4	0.1	288	5.40
1428767	Drill Core	5.64	0.414	21.6	6004.8	3.2	44	0.8	67.7	340.8	993	14.74	12	1.0	1.1	252	<0.1	0.4	0.2	287	4.57
1428768	Drill Core	4.77	0.047	1.7	785.2	5.5	56	0.1	68.0	105.0	1119	7.45	5	1.0	1.5	628	<0.1	0.3	<0.1	278	8.06
1428769	Drill Core	4.68	0.088	6.9	1362.5	3.5	43	0.2	74.3	110.3	1047	8.13	2	0.8	1.2	431	0.1	0.3	<0.1	276	7.00
1428770	Drill Core	4.67	0.124	2.1	566.2	1.0	42	<0.1	44.4	55.8	1150	11.87	5	0.7	0.8	392	0.2	0.3	<0.1	317	5.06
1428771	Drill Core	5.14	0.027	1.2	388.1	1.1	26	<0.1	43.4	43.1	790	8.96	<1	0.7	0.6	379	<0.1	0.3	<0.1	272	5.25
1428772	Drill Core	5.41	0.038	4.3	650.2	1.0	26	<0.1	37.9	69.1	786	9.27	2	0.9	0.9	358	<0.1	0.3	<0.1	290	5.45
1428773	Drill Core	4.49	0.034	2.1	589.9	1.3	23	<0.1	25.7	69.1	848	14.65	3	1.0	1.3	414	<0.1	1.6	<0.1	344	5.47
1428774	Drill Core	4.49	0.059	18.0	726.1	1.4	33	<0.1	39.7	72.1	1217	16.64	2	0.5	0.7	357	<0.1	1.7	<0.1	340	5.96
1428775	Drill Core	4.83	0.143	74.9	2565.6	0.9	39	0.2	80.8	207.4	1283	12.88	1	0.7	0.9	279	<0.1	0.5	<0.1	269	4.26
1428776	Drill Core	5.41	0.014	10.5	359.0	0.9	30	<0.1	31.3	72.6	1100	12.22	5	1.1	1.2	392	<0.1	1.1	<0.1	374	5.10
1428777	Drill Core	4.33	0.063	2.2	991.5	0.8	35	<0.1	32.4	53.6	1017	11.66	5	1.0	1.2	446	0.2	0.5	<0.1	363	5.21
1428778	Drill Core	5.18	0.017	0.9	301.9	0.8	27	<0.1	53.1	94.9	831	11.60	5	0.6	1.0	330	<0.1	0.2	<0.1	346	5.35
1428779	Drill Core	5.07	0.069	15.3	1183.9	0.6	28	<0.1	73.7	124.4	924	12.77	5	0.6	0.8	226	0.2	0.2	<0.1	340	5.57
1428780	Drill Core	5.59	0.104	2.3	2155.1	0.9	40	0.2	44.0	77.2	1162	14.28	4	0.8	0.8	181	<0.1	0.4	<0.1	325	5.55
1428781	Drill Core	2.74	0.058	14.1	2080.6	2.1	39	0.2	40.3	147.9	1342	13.26	6	0.8	0.9	488	<0.1	1.7	<0.1	311	7.16
1428782	Drill Core	4.41	0.080	0.7	734.8	0.8	38	<0.1	62.8	40.9	1516	8.36	3	0.8	0.9	375	<0.1	0.8	<0.1	290	5.71
1428783	Drill Core	5.11	0.010	0.8	150.6	0.8	44	<0.1	90.4	40.4	1426	8.34	4	0.5	0.9	391	<0.1	0.5	<0.1	318	6.06
1428784	Drill Core	5.03	0.013	0.6	164.0	0.9	33	<0.1	54.3	37.7	1075	7.80	4	0.8	1.0	443	<0.1	0.3	<0.1	307	6.19
1428785	Drill Core	4.23	0.102	0.8	1643.1	1.0	28	0.1	40.1	68.9	1008	8.18	5	1.3	1.3	602	<0.1	1.4	<0.1	242	4.98
1428786	Drill Core	3.38	0.045	0.2	597.1	0.9	38	0.1	56.2	46.6	1315	8.20	3	0.7	1.1	476	<0.1	0.8	<0.1	298	5.22
1428787	Drill Core	5.95	0.106	0.8	768.2	0.8	34	<0.1	53.3	49.9	1466	7.62	3	0.8	1.1	553	<0.1	1.9	<0.1	260	5.15
1428788	Drill Core	5.50	0.674	1.5	1831.0	1.1	33	0.2	42.6	85.6	1350	10.40	7	1.2	1.1	582	<0.1	2.4	<0.1	325	5.54
1428789	Drill Core	4.36	0.144	1.4	850.5	1.2	30	<0.1	24.3	56.5	1359	11.83	2	1.5	1.2	591	<0.1	2.3	<0.1	392	5.66
1428790	Drill Core	5.20	0.108	0.4	581.5	0.9	32	0.1	27.6	120.9	1298	11.77	2	1.5	1.4	508	<0.1	2.3	<0.1	378	5.37

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428761	Drill Core	0.071	8.5	112	3.87	629	0.457	7.71	1.879	0.96	0.9	21.1	15	1.4	15.2	1.4	<0.1	<1	33	17.1	1.6
1428762	Drill Core	0.051	2.9	170	3.04	560	0.284	5.26	0.709	0.73	14.4	15.8	6	1.0	6.8	0.7	<0.1	<1	22	16.8	1.4
1428763	Drill Core	0.072	4.5	150	4.21	526	0.446	8.03	1.848	1.44	0.8	23.9	9	1.2	10.9	0.9	<0.1	1	31	15.3	2.2
1428764	Drill Core	0.074	3.8	142	4.41	333	0.476	8.09	2.213	0.83	0.9	25.5	9	1.2	11.7	1.0	<0.1	<1	34	16.1	2.3
1428765	Drill Core	0.090	4.0	138	4.62	310	0.528	8.79	2.723	0.79	0.7	24.5	10	0.9	13.4	1.1	<0.1	<1	36	15.5	0.5
1428766	Drill Core	0.080	49.5	132	4.04	211	0.467	7.88	2.715	0.70	0.3	20.6	54	0.9	12.7	0.9	<0.1	<1	32	15.3	2.1
1428767	Drill Core	0.079	22.6	140	4.37	219	0.457	7.44	2.199	0.68	1.4	26.8	28	1.0	10.6	0.9	<0.1	<1	32	23.2	4.0
1428768	Drill Core	0.192	9.3	239	4.76	1224	0.644	7.24	1.821	1.91	0.7	41.5	18	1.0	13.3	3.9	0.2	1	39	13.1	0.6
1428769	Drill Core	0.131	8.8	204	4.34	835	0.527	7.34	1.759	1.61	0.3	32.2	16	0.9	13.3	2.3	0.1	<1	34	14.6	0.7
1428770	Drill Core	0.081	3.1	209	4.88	1198	0.477	8.45	1.777	1.44	0.6	22.5	8	0.8	9.6	1.1	<0.1	<1	39	18.1	0.5
1428771	Drill Core	0.075	3.9	159	3.92	713	0.471	7.43	1.953	1.33	0.3	21.5	8	1.1	10.3	0.8	<0.1	<1	30	11.3	0.3
1428772	Drill Core	0.077	4.1	133	3.76	273	0.434	7.46	2.638	0.84	0.2	24.4	10	1.0	11.3	0.8	<0.1	<1	33	11.1	0.5
1428773	Drill Core	0.115	4.3	80	3.28	490	0.401	7.00	1.815	1.82	0.2	27.5	12	0.8	11.7	1.1	<0.1	<1	34	8.8	0.6
1428774	Drill Core	0.065	2.2	199	4.46	198	0.343	5.80	1.443	0.53	0.5	22.6	6	1.1	8.6	0.6	<0.1	<1	42	11.9	0.5
1428775	Drill Core	0.079	15.3	175	4.22	422	0.401	6.94	2.352	0.84	0.5	24.2	20	0.8	10.2	0.8	<0.1	<1	33	14.3	2.0
1428776	Drill Core	0.112	5.3	88	3.84	377	0.442	7.90	2.858	0.76	0.2	26.2	15	1.1	12.6	1.1	<0.1	1	39	10.8	0.7
1428777	Drill Core	0.116	6.4	126	4.01	1187	0.461	8.12	2.734	1.01	0.2	29.6	15	0.9	11.4	0.9	<0.1	<1	37	15.3	0.4
1428778	Drill Core	0.105	3.9	202	4.83	486	0.438	8.15	2.493	0.77	0.3	24.8	10	1.0	9.9	1.0	<0.1	<1	36	17.8	0.6
1428779	Drill Core	0.088	3.3	268	5.74	684	0.423	7.02	1.900	0.76	0.3	19.2	8	1.5	9.9	0.8	<0.1	<1	42	18.1	1.2
1428780	Drill Core	0.061	2.0	264	5.07	1590	0.351	6.22	0.747	2.21	0.4	21.1	7	1.2	10.3	0.7	<0.1	<1	47	14.4	0.6
1428781	Drill Core	0.087	2.4	184	4.27	839	0.376	7.07	0.592	0.98	0.8	24.2	8	1.1	11.3	0.7	<0.1	1	37	13.6	1.0
1428782	Drill Core	0.108	5.5	183	4.33	198	0.488	8.41	3.443	0.69	0.8	24.3	13	0.6	13.5	1.1	<0.1	<1	37	11.6	0.2
1428783	Drill Core	0.096	5.3	223	5.27	353	0.474	8.25	2.672	0.83	0.6	19.1	12	0.6	11.4	1.1	<0.1	<1	38	14.3	0.1
1428784	Drill Core	0.091	6.0	173	4.34	498	0.477	8.39	3.011	0.99	0.2	27.2	13	0.6	12.9	1.1	<0.1	<1	32	11.9	0.1
1428785	Drill Core	0.094	5.5	61	2.92	489	0.451	9.49	3.787	1.08	1.0	31.1	14	0.8	14.5	1.4	0.1	<1	22	9.5	0.7
1428786	Drill Core	0.107	6.1	119	3.69	248	0.483	8.63	3.481	0.73	1.0	24.7	14	0.6	12.3	1.1	<0.1	1	26	10.2	0.2
1428787	Drill Core	0.111	6.7	108	3.18	118	0.466	8.94	4.079	0.41	1.5	26.8	16	0.5	14.4	1.3	<0.1	<1	23	10.8	0.5
1428788	Drill Core	0.095	6.9	138	4.07	134	0.449	7.82	3.166	0.33	0.8	16.5	15	0.8	12.2	1.1	<0.1	<1	34	8.2	0.6
1428789	Drill Core	0.121	5.9	87	4.02	138	0.468	8.50	3.487	0.30	0.5	23.8	16	1.0	12.3	1.2	<0.1	<1	37	9.8	0.5
1428790	Drill Core	0.107	6.3	80	3.76	158	0.438	8.18	3.342	0.34	0.3	27.6	15	0.8	12.1	1.1	<0.1	<1	38	11.2	0.8

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428761	Drill Core	30.3	0.7	0.10	0.097	<1	<0.5	<0.5	
1428762	Drill Core	25.3	0.6	0.13	0.224	<1	<0.5	<0.5	
1428763	Drill Core	31.3	0.8	0.12	0.207	2	<0.5	<0.5	
1428764	Drill Core	21.7	0.9	0.08	0.142	<1	<0.5	<0.5	
1428765	Drill Core	20.8	0.9	0.06	0.042	<1	<0.5	<0.5	
1428766	Drill Core	22.5	0.8	0.06	0.426	<1	<0.5	<0.5	
1428767	Drill Core	19.4	1.0	0.17	0.325	2	<0.5	<0.5	
1428768	Drill Core	44.5	1.6	0.07	0.017	<1	<0.5	<0.5	
1428769	Drill Core	41.4	1.2	0.08	0.312	<1	<0.5	<0.5	
1428770	Drill Core	39.0	0.8	0.07	0.027	<1	0.5	<0.5	
1428771	Drill Core	26.8	0.8	0.10	0.011	<1	<0.5	<0.5	
1428772	Drill Core	19.7	0.8	0.08	0.043	<1	<0.5	<0.5	
1428773	Drill Core	38.3	0.8	0.07	0.046	<1	<0.5	<0.5	
1428774	Drill Core	13.6	0.8	0.07	0.194	<1	<0.5	<0.5	
1428775	Drill Core	23.9	0.8	0.17	0.338	<1	<0.5	<0.5	
1428776	Drill Core	21.5	0.8	<0.05	0.157	<1	<0.5	<0.5	
1428777	Drill Core	21.4	0.9	0.07	0.024	<1	<0.5	<0.5	
1428778	Drill Core	24.3	0.8	0.09	0.025	<1	<0.5	<0.5	
1428779	Drill Core	24.1	0.5	0.16	0.408	<1	<0.5	<0.5	
1428780	Drill Core	56.2	0.7	<0.05	0.086	2	<0.5	0.5	
1428781	Drill Core	25.5	0.7	0.09	0.163	1	<0.5	<0.5	
1428782	Drill Core	21.6	0.8	0.06	0.005	<1	<0.5	<0.5	
1428783	Drill Core	23.1	0.7	0.07	0.010	<1	<0.5	<0.5	
1428784	Drill Core	21.8	0.9	<0.05	0.019	<1	<0.5	<0.5	
1428785	Drill Core	18.5	1.1	0.06	0.046	<1	<0.5	<0.5	
1428786	Drill Core	12.3	1.0	0.10	0.006	<1	<0.5	<0.5	
1428787	Drill Core	4.7	0.9	0.05	0.012	2	<0.5	<0.5	
1428788	Drill Core	6.3	0.5	0.06	0.080	1	<0.5	<0.5	
1428789	Drill Core	4.0	0.7	<0.05	0.103	<1	<0.5	<0.5	
1428790	Drill Core	7.3	0.9	0.07	0.016	1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428791	Drill Core	5.18	0.138	3.7	934.4	0.9	27	<0.1	32.4	80.1	1335	10.99	5	1.3	1.3	536	0.1	1.9	<0.1	352	5.48
1428792	Drill Core	5.48	0.130	27.5	1096.9	0.8	30	0.1	47.3	243.9	1260	11.86	1	1.3	0.9	377	<0.1	1.6	<0.1	289	5.33
1428793	Drill Core	5.22	0.119	1.1	688.7	0.9	33	<0.1	49.6	167.4	1171	10.36	4	1.3	1.0	367	<0.1	1.3	<0.1	271	5.03
1428794	Drill Core	5.58	0.082	1.5	669.7	0.6	41	<0.1	54.6	112.3	1485	11.48	3	1.0	1.0	293	<0.1	0.9	<0.1	273	5.48
1428795	Drill Core	4.70	0.150	2.1	1494.9	0.8	39	0.1	61.8	50.9	1387	9.35	1	0.6	1.0	360	<0.1	1.0	<0.1	256	5.39
1428796	Drill Core	5.32	0.085	0.8	1504.4	0.6	30	<0.1	47.4	85.9	1088	10.67	<1	1.0	1.1	255	<0.1	0.5	<0.1	274	5.15
1428797	Drill Core	4.94	0.076	1.2	665.4	0.4	33	<0.1	44.3	74.8	974	11.17	<1	0.8	0.8	145	<0.1	0.4	<0.1	295	5.15
1428798	Drill Core	3.24	8.297	0.6	>10000	5.0	40	2.6	57.0	92.2	1505	11.55	8	1.1	1.3	1228	0.2	4.3	0.1	242	7.69
1428799	Drill Core	3.07	1.450	0.6	6104.9	0.7	15	0.5	21.8	49.4	724	4.77	2	0.6	0.9	354	<0.1	1.2	<0.1	143	3.50
1428800	Drill Core	5.20	0.470	1.0	2258.7	0.9	19	0.3	25.4	45.5	812	5.20	2	0.6	0.8	480	<0.1	1.3	<0.1	161	4.39
1428801	Drill Core	6.34	0.499	0.4	705.8	0.7	32	<0.1	53.9	50.5	1296	7.73	<1	0.8	1.2	521	<0.1	1.9	<0.1	205	5.63
1428802	Drill Core	2.57	0.048	0.4	147.4	0.7	36	<0.1	62.1	34.1	981	6.89	<1	0.6	1.0	369	<0.1	0.4	<0.1	228	4.98
1428803	Drill Core	2.80	0.126	<0.1	292.5	0.7	36	<0.1	61.8	34.9	997	6.98	<1	0.7	1.0	386	<0.1	0.4	<0.1	225	5.37
1428804	Drill Core	3.95	0.382	0.3	638.2	0.8	26	<0.1	44.8	40.5	800	5.18	<1	0.6	1.0	410	<0.1	0.2	<0.1	165	6.18
1428805	Drill Core	5.30	0.193	1.3	179.8	1.0	27	<0.1	43.5	41.1	892	5.88	2	1.0	1.1	468	<0.1	0.5	<0.1	172	5.83
1428806	Drill Core	5.52	0.032	0.5	164.0	1.1	33	<0.1	52.4	27.1	923	5.07	1	0.9	1.2	431	<0.1	0.3	<0.1	190	6.36
1428807	Drill Core	5.44	0.040	4.5	119.2	1.0	43	<0.1	71.0	39.5	1178	6.92	2	0.9	1.2	373	<0.1	0.5	<0.1	255	6.84
1428808	Drill Core	6.02	0.074	0.6	478.8	1.0	55	<0.1	91.7	44.7	1438	8.37	2	0.9	1.7	336	<0.1	0.4	<0.1	335	6.92
1428809	Drill Core	5.92	0.200	0.8	1367.6	1.3	54	0.2	93.6	71.3	1589	11.56	12	1.1	3.1	301	<0.1	0.8	<0.1	408	6.82
1428810	Drill Core	5.57	0.011	1.1	425.3	0.8	48	<0.1	94.0	45.1	1506	9.13	3	0.8	1.1	489	<0.1	1.0	<0.1	301	6.87
1428811	Drill Core	6.01	0.026	2.9	434.5	1.6	46	<0.1	89.9	55.9	1369	8.64	2	0.7	1.3	469	<0.1	0.6	<0.1	305	6.87
1428812	Drill Core	5.29	0.210	2.7	841.6	1.3	59	0.1	100.3	65.9	1596	8.50	2	1.2	2.0	502	<0.1	1.1	<0.1	311	7.30
1428813	Drill Core	5.26	0.152	25.0	857.2	1.2	42	<0.1	64.6	39.9	1256	7.94	2	1.1	1.1	440	<0.1	1.3	<0.1	283	6.93
1428814	Drill Core	4.70	0.124	9.2	1751.8	0.9	34	0.1	23.9	67.7	927	8.33	4	1.0	1.1	395	<0.1	1.0	<0.1	233	4.92
1428815	Drill Core	4.05	0.652	8.6	5053.7	1.4	38	0.4	45.5	101.8	1014	8.95	4	0.8	1.1	443	<0.1	0.6	<0.1	231	4.42
1428816	Drill Core	5.38	0.438	1.1	2229.8	1.2	57	0.2	98.8	80.8	1653	9.19	4	0.7	1.1	418	<0.1	1.2	<0.1	298	6.30
1428817	Drill Core	3.73	1.710	2.6	>10000	2.9	40	0.8	91.8	148.8	1434	11.20	6	1.2	1.1	589	<0.1	1.8	<0.1	291	6.52
1428818	Drill Core	4.08	0.130	3.0	1069.8	1.3	39	<0.1	75.8	84.3	1181	8.73	2	0.9	1.5	394	<0.1	0.5	<0.1	302	6.86
1428819	Drill Core	3.74	0.013	1.6	163.3	1.3	43	<0.1	89.8	38.3	1178	7.71	2	0.7	1.4	458	<0.1	0.2	<0.1	302	6.70
1428820	Drill Core	4.87	0.046	4.3	692.1	1.0	47	<0.1	89.7	136.2	1229	8.89	3	0.8	1.4	456	<0.1	0.2	<0.1	302	5.86

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428791	Drill Core	0.111	6.4	110	4.04	80	0.455	8.10	3.371	0.24	0.6	28.2	16	1.2	12.2	1.0	<0.1	1	37	11.7	0.5
1428792	Drill Core	0.074	9.6	205	4.57	13	0.372	6.73	3.122	0.09	0.8	15.9	17	1.6	11.5	0.8	<0.1	<1	43	5.8	1.5
1428793	Drill Core	0.087	4.4	172	4.22	123	0.399	7.98	3.845	0.30	0.8	28.8	11	1.7	14.7	1.0	<0.1	<1	36	8.6	1.3
1428794	Drill Core	0.066	8.7	202	4.90	192	0.431	6.69	1.891	0.62	0.6	26.2	15	1.9	12.8	0.9	<0.1	<1	40	13.3	0.9
1428795	Drill Core	0.073	9.8	215	4.63	206	0.427	7.07	2.502	0.48	0.6	24.6	15	1.0	11.4	1.3	<0.1	1	36	13.5	0.4
1428796	Drill Core	0.073	3.8	208	4.69	426	0.392	6.56	2.520	0.64	0.6	23.0	9	1.5	11.8	0.9	<0.1	<1	41	11.6	0.6
1428797	Drill Core	0.067	3.1	216	5.05	72	0.386	6.31	2.873	0.26	0.4	25.5	8	1.1	10.3	0.8	<0.1	1	47	12.8	0.4
1428798	Drill Core	0.088	6.2	86	2.63	159	0.360	8.30	1.568	0.44	1.4	25.1	13	1.3	11.5	0.8	<0.1	<1	29	9.6	2.3
1428799	Drill Core	0.093	3.0	21	1.52	123	0.343	7.63	5.924	0.32	0.6	18.3	7	0.6	9.6	1.2	<0.1	<1	12	3.0	0.9
1428800	Drill Core	0.093	3.6	30	1.82	457	0.380	7.97	5.052	0.79	0.6	18.3	8	1.1	12.1	1.1	<0.1	<1	14	4.6	0.5
1428801	Drill Core	0.065	5.0	144	3.23	77	0.383	7.84	3.530	0.34	1.0	21.0	10	1.1	10.5	1.1	<0.1	<1	28	8.3	0.3
1428802	Drill Core	0.084	5.1	151	3.46	247	0.404	7.44	3.569	0.71	2.5	19.5	11	0.7	9.3	1.1	<0.1	<1	25	12.7	0.1
1428803	Drill Core	0.083	5.3	149	3.55	280	0.406	7.94	3.623	0.79	2.6	20.7	11	0.7	10.9	1.3	<0.1	1	27	13.2	0.1
1428804	Drill Core	0.062	4.4	120	2.92	201	0.364	8.08	4.321	0.50	0.3	20.7	9	0.4	10.8	1.3	<0.1	<1	23	7.0	0.2
1428805	Drill Core	0.063	4.9	119	3.13	308	0.370	9.08	4.649	0.60	0.4	22.1	11	0.8	12.3	1.3	<0.1	<1	24	8.5	0.3
1428806	Drill Core	0.099	6.1	122	3.22	247	0.396	9.55	5.043	0.65	0.3	25.0	14	0.6	12.5	1.3	<0.1	<1	24	11.5	<0.1
1428807	Drill Core	0.103	7.2	166	4.10	190	0.436	8.46	3.885	0.56	0.4	24.5	15	0.9	13.3	1.3	<0.1	<1	31	13.1	0.1
1428808	Drill Core	0.149	9.7	208	5.14	225	0.453	8.05	3.217	0.74	0.4	19.9	21	0.7	14.9	1.4	<0.1	<1	38	18.1	0.1
1428809	Drill Core	0.239	14.7	224	5.21	107	0.434	7.29	3.021	0.43	0.9	35.0	31	1.6	18.5	2.0	<0.1	<1	36	14.2	0.6
1428810	Drill Core	0.117	10.5	248	5.23	282	0.465	7.67	2.685	0.60	0.9	18.1	20	0.9	13.7	1.3	<0.1	<1	38	13.9	0.1
1428811	Drill Core	0.096	6.6	234	5.15	329	0.466	8.26	2.966	0.67	0.5	19.6	13	0.7	12.8	1.3	<0.1	<1	37	16.7	0.2
1428812	Drill Core	0.097	10.9	222	4.89	275	0.482	8.82	3.171	0.81	0.5	32.3	21	0.7	16.1	1.4	<0.1	<1	35	16.3	0.4
1428813	Drill Core	0.092	6.5	163	4.19	219	0.464	8.56	3.469	0.46	0.5	14.6	15	0.9	15.6	1.4	<0.1	<1	31	12.4	0.2
1428814	Drill Core	0.124	12.5	9	2.32	267	0.457	10.07	6.043	0.51	0.7	43.5	21	0.9	16.3	1.9	0.1	<1	16	14.0	0.6
1428815	Drill Core	0.128	4.3	11	2.47	479	0.448	9.61	5.555	0.91	0.6	45.9	12	0.9	14.8	1.9	<0.1	<1	16	13.5	1.3
1428816	Drill Core	0.102	6.8	241	4.83	237	0.485	8.41	3.489	0.73	0.8	29.1	16	0.9	14.6	1.6	<0.1	<1	31	14.9	0.6
1428817	Drill Core	0.107	8.5	166	4.04	388	0.418	8.63	3.066	0.73	0.8	20.5	17	1.3	14.8	1.2	<0.1	<1	27	11.9	2.1
1428818	Drill Core	0.122	6.6	153	4.32	341	0.494	9.22	3.590	0.88	0.5	24.5	14	0.7	13.8	1.4	<0.1	<1	30	14.3	0.5
1428819	Drill Core	0.096	6.7	171	4.28	265	0.443	9.03	3.737	0.98	0.2	26.3	15	0.6	13.7	1.6	<0.1	<1	27	16.3	0.1
1428820	Drill Core	0.104	5.3	224	4.99	845	0.485	8.60	3.240	1.20	0.4	34.2	13	0.9	14.4	1.7	<0.1	<1	30	16.3	0.6

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428791	Drill Core	3.4	1.1	0.12	0.061	<1	<0.5	<0.5	
1428792	Drill Core	1.2	0.5	0.16	0.288	2	<0.5	<0.5	
1428793	Drill Core	7.5	1.0	0.19	0.090	2	<0.5	<0.5	
1428794	Drill Core	15.5	0.8	0.12	0.090	<1	<0.5	<0.5	
1428795	Drill Core	14.2	0.9	0.11	0.061	<1	<0.5	<0.5	
1428796	Drill Core	14.7	0.9	0.13	0.063	<1	<0.5	<0.5	
1428797	Drill Core	6.4	1.0	<0.05	0.061	<1	<0.5	<0.5	
1428798	Drill Core	8.6	0.8	0.17	0.009	1	<0.5	<0.5	2.26
1428799	Drill Core	4.0	0.7	0.10	0.010	<1	<0.5	<0.5	
1428800	Drill Core	10.5	0.7	0.07	0.015	<1	<0.5	<0.5	
1428801	Drill Core	8.5	0.7	0.24	0.008	<1	<0.5	<0.5	
1428802	Drill Core	12.2	0.8	0.09	<0.005	<1	<0.5	<0.5	
1428803	Drill Core	14.7	0.8	0.13	0.007	<1	<0.5	<0.5	
1428804	Drill Core	9.1	0.8	0.08	<0.005	<1	<0.5	<0.5	
1428805	Drill Core	15.6	0.8	0.06	0.013	<1	<0.5	<0.5	
1428806	Drill Core	14.6	0.9	<0.05	0.005	<1	0.8	<0.5	
1428807	Drill Core	15.0	0.8	0.05	0.032	<1	0.8	<0.5	
1428808	Drill Core	21.5	0.6	0.13	0.009	<1	0.7	<0.5	
1428809	Drill Core	12.5	1.1	0.18	0.026	<1	<0.5	<0.5	
1428810	Drill Core	20.1	0.6	<0.05	0.050	<1	1.5	<0.5	
1428811	Drill Core	23.0	0.6	<0.05	0.031	<1	<0.5	<0.5	
1428812	Drill Core	27.7	1.2	0.07	0.016	<1	<0.5	<0.5	
1428813	Drill Core	15.3	0.4	0.11	0.111	<1	<0.5	<0.5	
1428814	Drill Core	5.5	1.4	<0.05	0.184	<1	<0.5	<0.5	
1428815	Drill Core	13.1	1.4	<0.05	0.177	1	<0.5	<0.5	
1428816	Drill Core	20.3	1.0	0.17	0.017	<1	<0.5	<0.5	
1428817	Drill Core	22.2	0.7	0.18	0.053	2	<0.5	<0.5	1.02
1428818	Drill Core	22.6	0.9	0.11	0.036	<1	<0.5	<0.5	
1428819	Drill Core	23.5	1.1	0.07	<0.005	<1	1.3	<0.5	
1428820	Drill Core	31.3	1.2	0.08	0.065	<1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428821	Drill Core	3.13	0.340	13.1	4462.8	2.0	42	0.3	80.5	120.4	1368	11.03	8	1.0	1.9	541	<0.1	1.6	<0.1	276	6.13
1428822	Drill Core	4.56	0.007	1.3	125.3	1.1	51	<0.1	94.9	44.6	1364	8.49	1	0.8	2.0	446	<0.1	0.2	<0.1	317	7.06
1428823	Drill Core	5.53	0.056	2.3	1005.3	1.2	52	<0.1	94.8	65.5	1349	7.98	2	0.7	1.2	483	<0.1	0.3	<0.1	276	6.85
1428824	Drill Core	3.15	0.249	7.9	4584.9	1.5	38	0.4	86.6	248.8	995	10.60	2	0.7	0.9	255	<0.1	0.3	0.1	265	6.10
1428825	Drill Core	5.06	0.029	1.6	527.3	1.1	47	<0.1	81.8	53.1	1317	8.41	2	0.7	1.2	393	<0.1	0.4	<0.1	305	6.92
1428826	Drill Core	5.27	0.018	1.0	406.3	1.0	42	<0.1	53.3	41.3	1226	7.57	2	1.0	1.6	474	<0.1	0.5	<0.1	289	6.73
1428827	Drill Core	5.20	0.015	0.3	468.0	1.1	51	<0.1	67.8	43.5	1574	8.39	2	0.7	1.3	383	<0.1	0.9	<0.1	324	6.72
1428828	Drill Core	5.00	0.018	0.1	149.5	0.9	51	<0.1	64.0	39.4	1347	7.30	<1	0.7	1.4	397	<0.1	0.1	<0.1	320	7.09
1428829	Drill Core	4.99	0.115	0.9	801.1	0.9	35	<0.1	32.3	55.6	1054	6.99	3	0.9	1.2	405	<0.1	0.6	<0.1	257	6.04
1428830	Drill Core	5.62	0.035	0.5	207.6	1.1	36	<0.1	45.7	47.3	1079	7.04	7	1.0	1.4	631	<0.1	0.5	<0.1	276	6.77
1428831	Drill Core	5.12	0.029	0.4	476.5	1.3	47	<0.1	53.6	43.0	1568	7.91	5	0.8	1.5	492	<0.1	1.5	<0.1	295	6.22
1428832	Drill Core	4.66	0.055	0.4	291.0	1.0	46	<0.1	57.9	40.4	1502	8.21	3	0.7	1.1	475	<0.1	0.8	<0.1	290	6.38
1428833	Drill Core	4.82	0.212	0.4	1597.8	1.4	37	0.2	53.2	105.3	995	6.85	10	0.8	1.4	431	<0.1	0.6	<0.1	230	6.21
1428834	Drill Core	4.90	0.059	0.4	739.7	1.3	27	<0.1	26.7	62.7	660	5.50	2	0.7	1.4	364	<0.1	0.3	<0.1	184	4.96
1428835	Drill Core	4.25	0.277	0.4	1048.7	1.1	32	0.1	43.6	44.6	858	6.27	3	0.9	1.4	387	<0.1	0.5	<0.1	224	6.51
1428836	Drill Core	4.87	0.053	0.3	586.6	1.2	24	<0.1	27.4	68.2	583	5.96	4	0.9	1.4	350	<0.1	0.4	<0.1	200	4.76
1428837	Drill Core	4.61	0.048	0.8	708.4	1.1	28	<0.1	35.7	51.8	810	6.91	3	1.2	1.3	417	<0.1	0.4	<0.1	255	6.57
1428838	Drill Core	4.85	0.046	1.1	454.8	1.3	32	<0.1	35.1	57.1	915	7.15	2	1.2	1.2	552	<0.1	0.3	<0.1	275	6.27
1428839	Drill Core	5.34	0.050	2.2	611.1	1.2	25	<0.1	29.7	46.0	698	6.90	3	1.4	1.3	496	<0.1	0.1	<0.1	248	6.01
1428840	Drill Core	4.60	0.199	9.6	1206.7	1.3	24	0.1	27.6	57.9	645	5.99	3	1.0	1.3	351	<0.1	0.4	0.1	201	5.24
1428841	Drill Core	4.88	0.055	1.7	375.8	1.1	34	<0.1	41.2	40.1	875	6.30	5	1.2	1.5	391	<0.1	0.3	<0.1	278	6.14
1428842	Drill Core	4.89	0.053	1.3	473.1	1.2	27	<0.1	30.6	40.3	730	5.85	3	1.6	2.5	413	<0.1	0.2	<0.1	240	5.61
1428843	Drill Core	3.77	0.037	0.3	442.7	1.1	22	<0.1	28.2	45.4	536	5.08	3	1.4	2.5	480	<0.1	0.2	<0.1	180	4.99
1428844	Drill Core	4.01	0.073	0.3	710.7	1.7	23	<0.1	35.2	47.2	686	5.46	3	1.4	2.2	454	<0.1	0.8	<0.1	190	6.84
1428845	Drill Core	3.92	0.051	0.2	539.6	1.1	37	<0.1	48.0	33.4	984	7.20	<1	0.6	0.9	363	<0.1	0.1	<0.1	277	6.88
1428846	Drill Core	4.56	0.283	0.2	1860.7	1.2	16	0.2	20.6	37.4	453	6.84	3	0.9	1.1	300	<0.1	0.5	<0.1	214	5.95
1428847	Drill Core	3.11	0.118	0.3	907.8	0.4	24	<0.1	40.7	29.3	629	9.09	3	0.7	0.8	191	<0.1	0.1	<0.1	292	6.27
1428848	Drill Core	3.70	0.039	5.9	471.1	0.4	20	<0.1	42.1	45.1	621	9.06	3	0.6	0.7	252	<0.1	<0.1	<0.1	294	7.65
1428849	Drill Core	2.49	0.134	5.3	1709.7	0.6	16	<0.1	36.9	87.8	518	9.25	2	0.8	1.0	340	<0.1	0.2	<0.1	208	5.65
1428850	Drill Core	2.41	0.189	4.6	1715.1	0.8	14	0.2	41.5	136.7	489	9.39	<1	0.9	1.0	429	<0.1	0.3	<0.1	194	6.24

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Project: Hat
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CERTIFICATE OF ANALYSIS SMI14000603.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428821	Drill Core		0.119	6.4	164	4.01	879	0.483	8.52	2.983	1.05	0.4	46.4	15	1.0	14.9	1.8	<0.1	<1	24	12.4	1.3
1428822	Drill Core		0.134	7.5	227	5.10	409	0.510	8.74	3.473	0.84	0.1	35.9	17	0.7	16.2	2.0	<0.1	<1	32	13.0	<0.1
1428823	Drill Core		0.082	6.5	251	4.97	458	0.473	8.52	3.348	0.77	0.2	26.6	14	0.9	16.0	1.8	<0.1	<1	31	14.6	0.2
1428824	Drill Core		0.083	4.0	213	4.81	232	0.416	8.01	1.836	2.36	0.2	30.2	11	1.1	13.2	1.6	<0.1	<1	29	12.7	1.9
1428825	Drill Core		0.102	6.1	216	4.77	330	0.490	8.74	3.277	0.94	0.3	25.0	15	0.9	15.8	1.4	<0.1	<1	33	14.8	0.2
1428826	Drill Core		0.115	6.4	125	3.76	295	0.483	9.47	4.035	0.90	0.2	32.3	15	0.7	15.1	1.3	<0.1	<1	27	12.6	0.2
1428827	Drill Core		0.076	5.8	197	4.63	214	0.511	8.72	3.493	0.73	0.5	28.6	13	0.6	14.5	1.3	<0.1	<1	36	15.8	0.2
1428828	Drill Core		0.085	5.8	162	4.32	344	0.485	8.59	3.376	0.89	0.1	26.7	13	0.5	13.8	1.2	<0.1	<1	35	16.8	<0.1
1428829	Drill Core		0.108	6.6	64	3.16	438	0.462	9.38	4.002	0.98	0.4	34.8	16	0.8	16.1	1.3	<0.1	<1	23	13.1	0.4
1428830	Drill Core		0.108	6.5	78	3.25	470	0.482	9.21	3.308	1.10	0.4	34.5	15	0.8	14.9	1.3	<0.1	<1	25	12.6	0.3
1428831	Drill Core		0.133	7.2	101	3.42	584	0.472	9.22	3.651	0.72	0.7	22.7	17	0.8	11.6	1.1	<0.1	<1	26	17.0	0.2
1428832	Drill Core		0.121	6.6	121	3.80	536	0.470	9.01	3.763	0.56	0.6	30.0	15	0.6	12.2	1.2	<0.1	<1	28	14.1	0.2
1428833	Drill Core		0.110	8.2	99	3.13	266	0.428	9.64	4.899	0.65	0.3	39.1	18	0.7	15.7	1.3	<0.1	<1	25	11.0	0.9
1428834	Drill Core		0.120	4.9	52	2.36	194	0.466	9.58	6.418	0.53	0.3	36.4	13	0.6	15.1	1.6	<0.1	<1	17	6.8	0.6
1428835	Drill Core		0.113	7.5	101	3.02	144	0.468	10.01	5.859	0.42	0.3	33.3	17	0.6	15.7	1.2	<0.1	<1	25	10.2	0.5
1428836	Drill Core		0.116	5.6	38	2.21	161	0.470	9.65	6.595	0.46	0.5	32.4	14	0.8	13.2	1.0	<0.1	<1	17	7.6	0.9
1428837	Drill Core		0.170	9.1	80	3.22	257	0.487	10.04	5.304	0.62	0.4	24.1	21	0.8	18.8	1.1	<0.1	<1	25	7.8	0.5
1428838	Drill Core		0.133	9.9	78	3.25	353	0.495	9.98	4.471	0.81	0.4	33.3	21	0.9	17.8	1.2	<0.1	<1	25	9.2	0.5
1428839	Drill Core		0.153	9.4	76	2.99	313	0.475	9.90	5.213	0.64	0.3	30.3	21	1.0	17.5	0.9	<0.1	<1	24	7.4	0.4
1428840	Drill Core		0.136	5.9	43	2.13	219	0.355	8.36	4.340	0.51	0.2	24.9	14	0.7	10.9	0.8	<0.1	<1	16	7.2	0.6
1428841	Drill Core		0.130	7.0	93	3.20	225	0.475	8.46	3.802	0.61	0.2	31.5	16	0.8	16.5	1.0	<0.1	<1	27	7.5	0.3
1428842	Drill Core		0.126	6.1	70	2.72	236	0.390	8.56	3.951	0.63	0.2	38.3	15	0.7	13.7	1.0	<0.1	<1	24	7.7	0.3
1428843	Drill Core		0.146	4.5	39	2.09	238	0.382	8.25	4.194	0.74	0.1	35.6	12	0.6	11.3	0.7	<0.1	<1	19	6.3	0.4
1428844	Drill Core		0.149	6.3	33	2.15	63	0.389	8.84	3.926	0.25	0.3	31.1	15	0.6	13.2	1.0	<0.1	<1	19	10.3	0.5
1428845	Drill Core		0.072	4.5	131	3.83	167	0.463	8.12	3.222	0.67	0.1	23.4	11	0.6	13.1	1.0	<0.1	<1	33	14.7	0.1
1428846	Drill Core		0.111	4.2	19	2.09	154	0.419	8.77	3.931	0.60	0.2	32.0	12	0.9	13.5	1.5	<0.1	<1	16	9.7	0.4
1428847	Drill Core		0.065	3.5	212	4.72	81	0.411	6.51	2.646	0.46	<0.1	23.3	11	1.1	12.2	0.9	<0.1	<1	44	8.8	0.1
1428848	Drill Core		0.051	2.6	294	5.67	136	0.372	5.47	1.627	0.42	<0.1	19.5	8	1.0	10.8	0.7	<0.1	<1	56	9.1	0.1
1428849	Drill Core		0.079	3.1	130	3.32	436	0.412	7.44	2.899	0.67	<0.1	20.3	10	1.0	11.9	1.1	<0.1	<1	29	8.4	0.6
1428850	Drill Core		0.082	3.3	95	2.78	397	0.393	8.04	3.456	0.63	<0.1	18.8	10	1.1	11.7	1.0	<0.1	<1	25	8.7	0.9

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428821	Drill Core	26.2	1.5	0.06	0.211	<1	<0.5	<0.5	
1428822	Drill Core	24.0	1.1	0.06	0.007	<1	0.9	<0.5	
1428823	Drill Core	23.9	0.9	0.05	0.016	<1	0.7	<0.5	
1428824	Drill Core	51.3	1.1	0.07	0.214	2	<0.5	<0.5	
1428825	Drill Core	28.3	0.8	0.09	0.014	<1	<0.5	<0.5	
1428826	Drill Core	21.6	1.1	<0.05	0.010	<1	1.0	<0.5	
1428827	Drill Core	22.3	1.0	0.08	<0.005	<1	<0.5	<0.5	
1428828	Drill Core	31.5	0.9	<0.05	<0.005	<1	2.0	<0.5	
1428829	Drill Core	32.4	1.0	0.08	0.009	<1	<0.5	<0.5	
1428830	Drill Core	32.7	1.1	<0.05	0.009	<1	0.8	<0.5	
1428831	Drill Core	17.8	0.8	0.06	0.006	<1	<0.5	<0.5	
1428832	Drill Core	16.1	0.8	0.07	<0.005	<1	<0.5	<0.5	
1428833	Drill Core	24.0	1.2	<0.05	0.014	1	0.6	<0.5	
1428834	Drill Core	9.0	1.1	<0.05	0.006	<1	<0.5	<0.5	
1428835	Drill Core	14.9	1.0	<0.05	0.008	<1	0.6	<0.5	
1428836	Drill Core	7.8	1.0	<0.05	0.013	<1	<0.5	<0.5	
1428837	Drill Core	22.8	0.7	0.06	0.009	<1	<0.5	<0.5	
1428838	Drill Core	25.3	1.0	0.07	<0.005	<1	0.6	<0.5	
1428839	Drill Core	18.5	1.0	0.09	0.017	<1	<0.5	<0.5	
1428840	Drill Core	12.2	0.9	0.09	0.032	<1	<0.5	<0.5	
1428841	Drill Core	17.8	1.3	<0.05	<0.005	1	<0.5	<0.5	
1428842	Drill Core	19.1	1.2	0.09	0.009	2	<0.5	<0.5	
1428843	Drill Core	15.3	1.2	<0.05	<0.005	1	<0.5	<0.5	
1428844	Drill Core	8.6	1.2	<0.05	0.011	<1	<0.5	<0.5	
1428845	Drill Core	23.7	0.9	0.11	0.010	<1	<0.5	<0.5	
1428846	Drill Core	17.3	1.1	0.12	0.137	2	<0.5	<0.5	
1428847	Drill Core	17.2	0.8	<0.05	0.093	<1	<0.5	<0.5	
1428848	Drill Core	14.1	0.7	0.06	0.064	<1	<0.5	<0.5	
1428849	Drill Core	15.8	0.8	<0.05	0.257	2	<0.5	<0.5	
1428850	Drill Core	14.6	0.7	0.06	0.099	2	<0.5	<0.5	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428851	Drill Core	3.88	0.138	11.4	1462.2	0.7	29	0.2	56.4	132.2	682	13.86	3	0.8	1.0	282	<0.1	<0.1	<0.1	283	5.47
1428852	Drill Core	4.29	0.124	0.2	1455.1	0.7	20	0.1	39.3	37.8	648	7.79	1	1.0	1.4	406	<0.1	0.2	<0.1	247	5.95
1428853	Drill Core	4.53	0.144	3.4	1834.9	0.6	23	0.2	54.9	86.9	723	11.52	2	0.4	0.6	192	<0.1	0.2	<0.1	310	7.21
1428854	Drill Core	3.86	0.107	36.1	1777.7	0.6	22	0.2	47.5	98.2	639	10.81	2	0.8	1.1	331	<0.1	0.2	<0.1	237	5.39
1428855	Drill Core	4.74	0.372	11.7	3267.3	0.6	20	0.2	45.8	100.6	578	9.60	3	0.8	1.2	434	<0.1	0.2	<0.1	196	4.49
1428856	Drill Core	5.54	1.217	7.5	6091.7	1.5	33	0.6	71.4	183.9	858	15.94	7	0.6	0.8	293	<0.1	0.6	<0.1	286	5.67
1428857	Drill Core	4.87	0.195	6.4	2972.6	0.7	27	0.3	59.4	122.1	674	12.38	4	0.9	1.2	347	<0.1	0.3	<0.1	257	5.27
1428858	Drill Core	4.48	0.372	55.0	5381.0	1.3	39	0.4	113.2	401.5	773	21.20	4	0.6	1.0	221	<0.1	0.2	<0.1	329	4.06
1428859	Drill Core	4.32	7.774	19.1	>10000	11.8	49	7.6	150.6	688.2	1109	21.49	10	0.8	0.8	789	0.4	4.7	0.3	174	7.60
1428860	Drill Core	4.54	2.765	76.6	>10000	6.8	64	3.8	98.3	337.3	1389	19.48	12	0.5	0.5	855	<0.1	4.9	0.1	237	7.93
1428861	Drill Core	3.42	0.340	3.7	4487.3	0.7	59	0.5	67.4	140.3	913	14.21	10	0.7	1.1	278	<0.1	0.2	<0.1	276	5.28
1428862	Drill Core	3.38	1.753	97.7	4953.1	11.6	50	0.9	294.3	1559.5	1438	21.16	66	0.5	0.5	568	<0.1	3.0	0.2	227	5.87
1428863	Drill Core	4.12	0.237	0.3	2186.9	3.0	45	0.4	77.6	139.0	1123	10.29	16	0.6	0.8	416	<0.1	0.9	<0.1	279	5.95
1428864	Drill Core	4.35	0.242	<0.1	2101.8	0.9	32	0.2	59.4	60.6	968	10.60	7	0.6	0.5	308	<0.1	1.7	<0.1	303	7.88
1428865	Drill Core	3.66	0.172	0.2	2814.6	1.4	34	0.3	64.8	73.8	943	10.68	8	0.5	0.6	311	<0.1	1.4	<0.1	307	7.79
1428866	Drill Core	2.81	1.318	0.4	>10000	7.7	59	6.2	109.8	114.6	1177	17.05	6	0.5	0.4	700	0.2	3.9	<0.1	255	8.88
1428867	Drill Core	3.59	0.123	1.7	2120.3	1.0	37	0.3	64.8	73.3	988	12.81	6	0.7	0.8	217	<0.1	0.8	<0.1	323	6.32
1428868	Drill Core	3.68	0.780	27.8	8963.3	3.7	59	0.9	138.5	237.8	1714	23.74	40	0.8	0.7	537	<0.1	3.4	<0.1	429	7.84
1428869	Drill Core	3.83	0.337	2.7	3212.2	2.8	41	0.4	85.5	155.1	1322	16.94	22	0.5	0.6	352	<0.1	1.9	<0.1	367	7.17
1428870	Drill Core	3.26	0.296	5.0	3667.5	4.1	35	0.4	78.6	184.1	1353	18.55	18	0.5	0.6	328	<0.1	1.7	<0.1	397	6.90
1428871	Drill Core	3.47	0.679	4.1	4653.5	121.5	103	0.6	106.4	299.7	1852	24.12	23	0.6	0.7	460	0.2	2.7	<0.1	507	8.28
1428872	Drill Core	4.81	0.133	2.8	1633.2	1.2	36	0.1	46.8	100.8	900	8.45	3	1.1	1.1	357	<0.1	1.0	<0.1	248	5.58
1428873	Drill Core	4.59	0.527	0.8	8285.7	4.3	44	0.7	77.3	167.7	991	10.53	5	0.9	0.9	421	<0.1	2.0	<0.1	260	6.74
1428874	Drill Core	4.40	0.140	1.3	2292.3	4.2	43	0.3	46.4	42.3	740	6.25	1	1.0	1.2	279	<0.1	0.3	<0.1	210	5.32
1428875	Drill Core	4.85	0.328	2.5	5637.3	5.3	48	0.8	82.6	121.7	924	10.17	4	0.9	1.2	253	<0.1	0.4	<0.1	294	5.55
1428876	Drill Core	5.24	0.223	10.9	3999.2	3.8	71	0.6	57.0	87.2	759	8.28	4	0.9	1.3	218	<0.1	0.2	<0.1	234	5.69
1428877	Drill Core	4.92	0.112	93.3	1363.5	2.4	55	0.2	51.1	56.2	1048	8.77	5	0.9	0.9	342	<0.1	0.4	<0.1	283	5.38
1428878	Drill Core	4.56	0.074	2.0	1112.8	4.3	77	0.3	57.8	58.7	1182	9.52	4	0.7	1.1	314	<0.1	0.8	<0.1	335	6.03
1428879	Drill Core	5.56	0.060	7.6	1778.6	4.9	65	0.3	76.1	105.0	1175	12.49	7	0.7	0.9	355	<0.1	1.7	<0.1	433	6.77
1428880	Drill Core	4.13	0.289	6.3	2377.2	2.1	82	0.4	123.1	96.8	940	22.86	4	0.9	0.9	256	<0.1	0.5	0.1	596	5.57

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Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428851	Drill Core	0.086	3.0	185	3.55	276	0.386	6.40	2.668	0.69	0.1	19.5	9	1.1	11.9	0.9	<0.1	<1	33	8.0	0.7
1428852	Drill Core	0.073	4.6	178	3.91	122	0.414	7.31	3.385	0.57	<0.1	25.1	12	0.7	13.5	1.1	<0.1	<1	35	5.1	0.3
1428853	Drill Core	0.052	2.3	295	6.21	136	0.345	5.08	1.531	0.46	<0.1	16.8	7	0.8	9.4	0.5	<0.1	1	61	4.3	0.6
1428854	Drill Core	0.081	3.6	137	3.63	449	0.383	7.27	3.286	0.93	0.1	21.4	10	0.9	11.3	0.9	<0.1	<1	33	6.7	0.6
1428855	Drill Core	0.097	3.6	61	2.46	804	0.370	8.01	3.794	1.31	<0.1	17.7	11	1.0	11.7	1.1	<0.1	<1	19	6.9	0.9
1428856	Drill Core	0.066	2.1	217	4.57	504	0.356	5.87	1.361	1.65	<0.1	17.5	7	1.0	11.5	0.8	<0.1	<1	41	9.7	1.7
1428857	Drill Core	0.081	3.0	153	3.54	1573	0.437	6.74	1.952	1.75	0.1	21.8	10	1.2	13.2	1.1	<0.1	<1	32	9.3	1.0
1428858	Drill Core	0.087	2.2	140	3.34	266	0.396	6.04	1.539	1.87	<0.1	18.3	8	0.8	11.7	0.9	<0.1	<1	31	12.4	2.7
1428859	Drill Core	0.064	5.4	73	2.62	8	0.250	5.28	0.607	0.05	0.2	23.6	11	0.7	9.1	0.8	<0.1	<1	23	4.6	>10
1428860	Drill Core	0.054	2.0	114	2.82	20	0.264	5.30	0.437	0.10	0.2	14.0	6	0.8	7.5	0.5	<0.1	<1	25	8.9	6.3
1428861	Drill Core	0.070	3.1	179	3.83	1079	0.401	6.65	2.405	1.62	0.1	21.0	10	0.9	12.6	0.9	<0.1	<1	36	14.3	1.3
1428862	Drill Core	0.068	2.1	91	2.96	121	0.312	5.54	1.324	0.61	0.4	14.4	7	0.7	8.7	0.6	<0.1	<1	22	13.8	>10
1428863	Drill Core	0.070	4.6	190	4.37	332	0.420	6.81	2.379	0.78	0.2	18.8	10	1.2	12.3	0.8	<0.1	<1	38	10.6	1.1
1428864	Drill Core	0.049	2.7	274	5.94	20	0.338	4.85	1.483	0.15	<0.1	18.0	7	1.1	8.9	0.6	<0.1	<1	60	3.8	0.5
1428865	Drill Core	0.049	2.2	285	5.91	23	0.352	4.93	1.656	0.16	0.1	19.6	7	1.1	9.5	0.5	<0.1	<1	60	4.7	0.7
1428866	Drill Core	0.053	1.8	153	3.82	7	0.233	5.41	0.668	0.04	0.2	12.5	5	0.9	6.6	0.4	<0.1	1	39	6.8	5.2
1428867	Drill Core	0.071	3.2	264	5.69	73	0.387	5.14	2.486	0.29	0.2	24.0	9	1.3	11.5	0.8	<0.1	<1	54	7.7	0.6
1428868	Drill Core	0.095	2.3	187	4.36	5	0.326	5.00	0.586	0.06	0.2	19.6	7	1.1	10.4	0.6	<0.1	<1	39	8.3	3.1
1428869	Drill Core	0.068	2.1	271	5.82	39	0.352	4.79	1.279	0.20	0.2	17.5	6	0.8	9.9	0.5	<0.1	<1	54	6.3	1.4
1428870	Drill Core	0.061	2.1	248	5.25	62	0.315	4.12	0.906	0.19	<0.1	16.8	6	0.9	9.4	0.4	<0.1	<1	52	5.9	1.6
1428871	Drill Core	0.158	8.2	124	3.60	25	0.322	5.24	0.740	0.12	0.2	15.5	13	1.1	9.2	0.7	<0.1	<1	30	12.2	2.6
1428872	Drill Core	0.085	13.0	114	3.02	374	0.423	7.75	3.511	0.79	0.2	24.3	22	1.0	13.1	1.2	<0.1	<1	24	11.7	0.6
1428873	Drill Core	0.064	19.5	173	3.38	231	0.388	6.54	1.965	0.50	0.2	20.2	28	0.9	12.1	1.0	<0.1	<1	27	11.6	2.3
1428874	Drill Core	0.093	4.8	90	2.93	215	0.429	8.14	3.994	0.63	0.1	29.2	13	1.0	11.9	1.3	<0.1	2	21	8.4	0.4
1428875	Drill Core	0.100	6.2	112	3.40	237	0.420	8.65	3.661	0.72	0.1	27.1	15	0.8	13.9	1.1	<0.1	<1	27	10.4	1.2
1428876	Drill Core	0.107	4.8	45	2.47	386	0.440	9.24	3.876	1.05	0.2	24.7	13	0.8	13.8	1.1	<0.1	<1	20	11.2	1.0
1428877	Drill Core	0.120	4.6	78	2.92	725	0.481	8.95	3.489	1.62	0.2	27.1	13	1.0	14.7	1.1	<0.1	<1	26	11.1	0.5
1428878	Drill Core	0.124	6.1	136	3.64	217	0.493	8.61	3.623	0.64	0.2	28.0	14	0.8	14.8	1.0	<0.1	<1	31	9.5	0.4
1428879	Drill Core	0.159	5.9	113	3.81	99	0.455	8.18	3.339	0.42	0.2	28.0	15	1.0	15.1	1.2	<0.1	<1	31	7.4	0.8
1428880	Drill Core	0.108	3.3	93	3.26	166	0.363	6.66	2.571	0.52	0.1	22.8	10	1.0	12.9	1.0	<0.1	<1	24	8.9	0.8

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428851	Drill Core	16.7	0.7	<0.05	0.066	3	<0.5	<0.5	
1428852	Drill Core	17.6	0.9	0.06	0.010	<1	<0.5	<0.5	
1428853	Drill Core	11.9	0.6	<0.05	0.017	1	<0.5	<0.5	
1428854	Drill Core	22.5	0.7	<0.05	0.179	2	<0.5	<0.5	
1428855	Drill Core	31.3	0.7	<0.05	0.053	2	<0.5	<0.5	
1428856	Drill Core	44.4	0.6	<0.05	0.044	4	<0.5	<0.5	
1428857	Drill Core	45.5	0.9	0.08	0.026	3	<0.5	<0.5	
1428858	Drill Core	52.8	0.8	0.06	0.143	9	<0.5	<0.5	
1428859	Drill Core	0.8	0.8	0.17	0.095	31	<0.5	<0.5	5.79
1428860	Drill Core	1.5	0.5	0.18	0.315	15	<0.5	<0.5	4.64
1428861	Drill Core	42.7	0.7	0.08	0.102	2	<0.5	<0.5	
1428862	Drill Core	8.5	0.5	0.14	0.552	25	0.9	<0.5	
1428863	Drill Core	24.4	0.7	0.14	0.014	3	<0.5	<0.5	
1428864	Drill Core	2.9	0.7	0.16	0.006	<1	<0.5	<0.5	
1428865	Drill Core	3.4	0.6	0.09	<0.005	1	0.5	<0.5	
1428866	Drill Core	0.3	0.5	0.18	<0.005	21	<0.5	<0.5	5.38
1428867	Drill Core	8.9	0.9	0.09	0.012	<1	<0.5	<0.5	
1428868	Drill Core	0.9	0.8	0.16	0.133	6	0.5	<0.5	
1428869	Drill Core	4.3	0.7	0.13	0.022	2	<0.5	<0.5	
1428870	Drill Core	4.1	0.6	0.17	0.045	2	0.6	<0.5	
1428871	Drill Core	2.7	0.6	0.11	0.029	4	0.8	<0.5	
1428872	Drill Core	26.6	1.0	<0.05	0.013	<1	<0.5	<0.5	
1428873	Drill Core	15.4	0.8	0.08	0.011	5	<0.5	<0.5	
1428874	Drill Core	15.8	1.0	<0.05	0.006	<1	<0.5	<0.5	
1428875	Drill Core	21.2	0.9	0.06	0.017	5	0.8	<0.5	
1428876	Drill Core	28.3	0.8	<0.05	0.044	3	<0.5	<0.5	
1428877	Drill Core	48.2	0.9	<0.05	0.705	2	<0.5	<0.5	
1428878	Drill Core	15.6	1.1	0.07	0.027	<1	0.6	<0.5	
1428879	Drill Core	10.0	1.1	0.07	0.109	2	0.9	<0.5	
1428880	Drill Core	10.6	0.9	<0.05	0.081	3	0.8	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428881	Drill Core	3.94	0.998	4.5	>10000	4.1	130	2.1	321.4	322.6	850	21.73	2	0.6	0.7	231	0.4	0.5	<0.1	649	5.14
1428882	Drill Core	3.27	0.186	12.4	5506.8	63.9	334	1.0	109.5	140.7	1036	14.91	4	0.6	0.7	461	1.1	1.1	<0.1	572	5.89
1428883	Drill Core	5.01	0.311	28.0	5532.3	9.8	89	0.9	244.5	281.0	900	23.15	6	0.3	0.5	384	0.2	0.4	<0.1	802	5.14
1428884	Drill Core	6.15	0.353	8.5	5741.1	8.8	124	1.1	308.7	424.3	961	26.36	9	0.5	0.6	298	0.2	0.6	0.2	951	5.37
1428885	Drill Core	4.23	0.082	1.6	1424.6	3.8	73	0.3	61.7	68.9	1047	10.12	3	0.7	1.0	375	0.1	0.4	<0.1	432	6.09
1428886	Drill Core	3.80	0.032	1.9	766.7	13.0	63	0.3	45.4	55.0	979	8.42	4	0.7	0.9	347	0.2	0.7	<0.1	358	6.89
1428887	Drill Core	4.44	0.065	0.5	1027.5	2.1	51	0.2	71.6	56.4	939	8.33	2	0.7	0.9	406	<0.1	0.2	<0.1	399	6.96
1428888	Drill Core	4.06	0.461	1.7	5658.5	5.1	88	0.8	133.7	136.1	1035	16.19	6	0.6	0.8	444	0.2	1.3	<0.1	692	6.41
1428889	Drill Core	4.27	0.076	1.0	3086.4	21.9	147	0.6	134.1	86.3	2006	23.47	2	0.5	0.5	225	0.4	1.3	<0.1	712	6.71
1428890	Drill Core	4.08	0.638	2.9	7346.9	13.3	100	1.6	197.1	140.2	1234	19.84	3	0.6	0.8	158	<0.1	0.6	<0.1	707	5.71
1428891	Drill Core	3.03	0.466	1.5	6576.9	3.0	68	1.0	269.9	222.6	884	14.00	5	0.6	0.8	230	<0.1	0.6	<0.1	505	5.95
1428892	Drill Core	2.99	0.038	0.6	485.0	1.2	26	<0.1	13.3	26.5	487	6.32	2	1.3	1.5	312	<0.1	1.0	<0.1	288	4.72
1428893	Drill Core	3.36	0.091	0.4	942.9	1.2	19	<0.1	11.1	22.7	481	6.19	2	1.4	1.6	588	<0.1	0.4	<0.1	275	4.83
1428894	Drill Core	4.00	0.096	0.7	1125.2	1.1	17	0.1	10.9	26.0	445	6.40	3	1.4	1.6	481	<0.1	0.1	<0.1	289	4.27
1428895	Drill Core	3.84	0.122	1.8	1285.6	1.8	31	0.3	43.0	50.9	621	9.48	3	1.4	1.7	416	<0.1	0.4	<0.1	351	5.33
1428896	Drill Core	5.45	0.093	0.7	2156.8	1.9	56	0.3	59.4	61.2	915	10.85	3	0.7	0.8	445	<0.1	0.3	<0.1	508	6.66
1428897	Drill Core	5.02	0.089	0.7	1439.7	3.3	48	0.4	42.4	47.6	830	8.66	5	1.0	1.1	568	<0.1	1.1	<0.1	379	7.40
1428898	Drill Core	4.71	0.061	0.9	1764.4	7.7	63	0.4	60.9	53.2	958	9.80	4	1.2	1.4	559	0.1	1.0	<0.1	394	6.43
1428899	Drill Core	5.33	0.240	0.4	2517.2	3.8	61	0.4	73.9	48.9	910	8.94	3	1.0	1.3	521	<0.1	0.4	<0.1	418	6.96
1428900	Drill Core	2.69	0.081	0.6	1591.5	2.5	45	0.4	34.7	37.9	617	7.38	4	1.3	1.8	408	<0.1	0.3	<0.1	297	5.19
1428901	Drill Core	2.75	0.079	0.5	1679.2	2.6	39	0.2	34.0	39.2	614	7.78	3	1.3	1.8	386	<0.1	0.2	<0.1	308	4.78
1428902	Drill Core	2.54	0.048	0.5	1146.0	2.0	44	0.2	20.4	38.3	767	7.06	3	1.4	1.8	576	<0.1	1.6	<0.1	317	6.62
1428903	Drill Core	3.81	0.073	0.3	1277.5	2.0	41	0.2	23.0	33.7	654	6.68	2	1.4	1.6	420	<0.1	0.6	<0.1	285	5.61
1428904	Drill Core	4.72	0.216	0.4	4411.9	5.9	113	0.7	125.4	70.8	1001	8.85	3	0.8	1.2	555	0.4	1.4	<0.1	430	7.56
1428905	Drill Core	4.26	0.466	0.2	7201.8	3.9	94	0.6	441.8	119.9	848	9.89	5	0.5	0.9	337	<0.1	1.2	<0.1	521	7.16
1428906	Drill Core	4.42	0.623	0.4	>10000	13.3	184	2.7	660.1	209.9	938	16.50	20	0.5	0.8	528	0.6	3.0	0.2	573	6.57
1428907	Drill Core	5.68	0.696	0.2	>10000	10.1	120	2.0	344.4	197.2	867	17.60	11	0.2	0.5	300	0.3	1.5	0.2	550	5.46
1428908	Drill Core	5.55	0.157	0.8	5887.4	7.1	154	1.0	153.3	119.3	1194	14.10	5	0.4	0.5	269	0.4	0.9	0.1	576	6.66
1428909	Drill Core	4.34	0.190	1.5	3884.7	4.9	105	0.7	158.5	73.9	1017	13.66	4	0.8	0.8	588	0.2	1.6	<0.1	506	7.14
1428910	Drill Core	3.97	0.395	0.3	4557.2	4.1	61	0.6	238.8	70.1	810	8.59	3	0.3	0.4	429	0.1	0.3	0.1	377	6.12

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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428881	Drill Core		0.114	2.9	111	4.26	333	0.344	5.77	2.216	0.57	0.1	21.1	9	1.0	11.6	0.8	<0.1	<1	24	9.6	3.2
1428882	Drill Core		0.123	3.9	91	3.57	289	0.413	7.81	2.774	0.78	0.1	25.0	11	0.9	13.8	1.2	<0.1	<1	24	10.0	1.2
1428883	Drill Core		0.233	2.9	54	3.39	488	0.264	6.40	2.507	0.63	<0.1	14.6	8	0.6	8.5	0.6	<0.1	<1	17	14.6	2.1
1428884	Drill Core		0.136	2.4	125	4.00	196	0.291	4.79	1.162	0.71	0.1	17.5	7	0.9	8.7	0.5	<0.1	<1	30	13.0	3.4
1428885	Drill Core		0.099	4.8	132	3.95	182	0.455	7.57	2.973	0.67	<0.1	28.5	13	0.8	12.2	1.0	<0.1	<1	41	10.9	0.5
1428886	Drill Core		0.093	5.1	110	3.73	234	0.443	8.22	2.595	0.64	0.1	30.9	13	0.8	12.1	1.1	<0.1	<1	36	10.8	0.3
1428887	Drill Core		0.103	5.2	127	4.07	211	0.467	8.45	2.955	0.71	0.1	25.3	13	0.7	11.9	0.7	<0.1	<1	39	8.8	0.4
1428888	Drill Core		0.105	5.1	116	3.70	243	0.388	7.34	1.944	0.69	0.1	21.9	12	1.0	10.6	0.7	<0.1	<1	32	12.4	1.3
1428889	Drill Core		0.194	2.8	193	4.93	39	0.315	4.99	0.832	0.24	0.2	16.6	8	1.0	9.7	0.5	<0.1	<1	43	17.4	0.4
1428890	Drill Core		0.088	3.4	166	4.65	405	0.418	5.94	1.598	0.80	<0.1	18.6	10	1.0	11.5	0.7	<0.1	<1	43	13.8	1.2
1428891	Drill Core		0.123	3.2	137	4.17	283	0.371	6.52	1.946	1.25	0.1	20.3	10	1.0	12.2	0.9	<0.1	<1	37	12.8	1.8
1428892	Drill Core		0.134	5.3	5	2.14	166	0.440	9.44	5.003	0.42	<0.1	44.5	14	0.9	15.1	1.7	<0.1	1	21	6.7	0.1
1428893	Drill Core		0.138	6.1	4	2.11	425	0.420	9.65	4.861	0.58	0.1	50.6	16	0.9	14.4	1.6	<0.1	<1	20	4.7	0.2
1428894	Drill Core		0.151	5.8	5	2.18	315	0.437	9.57	4.823	0.57	<0.1	49.3	15	0.8	14.3	1.8	<0.1	<1	21	3.1	0.2
1428895	Drill Core		0.154	8.0	23	2.77	171	0.460	9.47	4.115	0.43	0.3	42.6	18	0.7	15.5	1.4	<0.1	<1	29	16.9	0.5
1428896	Drill Core		0.129	4.5	59	4.33	235	0.651	9.14	2.755	0.79	0.2	23.3	13	0.9	16.9	0.9	<0.1	<1	42	10.3	0.4
1428897	Drill Core		0.112	5.1	105	3.85	157	0.489	8.91	2.988	0.43	0.1	27.3	14	0.9	13.6	1.2	<0.1	<1	38	9.0	0.4
1428898	Drill Core		0.126	12.1	35	2.84	245	0.415	9.01	3.376	0.47	<0.1	32.3	23	0.9	14.0	1.3	<0.1	<1	27	11.3	0.3
1428899	Drill Core		0.175	5.8	53	3.74	237	0.481	9.23	2.984	0.63	0.1	27.4	16	0.9	14.7	1.3	<0.1	<1	33	13.6	0.4
1428900	Drill Core		0.140	5.6	8	2.43	139	0.447	9.25	4.517	0.39	<0.1	47.9	14	0.9	15.6	1.8	0.1	<1	25	10.8	0.3
1428901	Drill Core		0.142	5.5	7	2.58	148	0.416	9.62	4.731	0.44	0.2	48.0	14	0.8	16.1	1.7	<0.1	<1	26	11.1	0.3
1428902	Drill Core		0.130	6.3	5	2.46	99	0.472	10.01	4.240	0.31	0.1	44.9	16	0.9	15.1	1.8	0.1	<1	28	8.6	0.2
1428903	Drill Core		0.119	5.7	4	2.26	157	0.442	9.45	4.556	0.54	0.1	45.6	13	0.8	14.3	1.5	<0.1	<1	25	11.1	0.2
1428904	Drill Core		0.155	5.9	65	4.27	200	0.504	8.82	2.644	0.75	0.1	23.4	16	0.9	16.2	1.5	<0.1	<1	38	12.9	0.7
1428905	Drill Core		0.178	5.0	68	4.32	122	0.494	8.34	2.298	0.57	<0.1	22.3	14	0.8	14.9	1.1	<0.1	<1	35	16.2	1.4
1428906	Drill Core		0.213	5.2	54	3.62	438	0.419	7.01	1.418	0.73	0.1	16.8	12	0.9	12.0	0.9	<0.1	<1	28	13.0	2.8
1428907	Drill Core		0.266	3.0	41	4.48	454	0.296	5.48	1.661	0.79	<0.1	12.6	8	0.8	9.2	0.6	<0.1	<1	25	10.0	2.3
1428908	Drill Core		0.206	4.0	78	6.03	207	0.399	5.47	1.512	0.58	<0.1	20.2	10	1.0	12.3	0.7	<0.1	<1	42	9.7	1.0
1428909	Drill Core		0.137	5.4	61	3.37	158	0.436	7.96	2.307	0.49	<0.1	25.7	13	0.9	13.9	1.0	<0.1	<1	25	8.5	0.7
1428910	Drill Core		0.137	3.7	62	3.37	277	0.353	8.35	2.418	0.88	<0.1	14.9	9	0.5	10.8	0.7	<0.1	<1	24	10.0	0.9

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428881	Drill Core	11.8	0.8	0.08	0.047	18	0.6	<0.5	1.20
1428882	Drill Core	21.6	0.8	0.09	0.199	4	<0.5	<0.5	
1428883	Drill Core	15.1	0.6	0.08	0.179	8	<0.5	<0.5	
1428884	Drill Core	17.9	0.6	0.06	0.113	14	<0.5	<0.5	
1428885	Drill Core	19.2	1.1	<0.05	0.017	2	0.5	<0.5	
1428886	Drill Core	17.9	1.1	<0.05	0.015	1	<0.5	<0.5	
1428887	Drill Core	21.2	0.8	0.06	0.005	<1	<0.5	<0.5	
1428888	Drill Core	18.9	0.7	0.12	0.027	6	<0.5	<0.5	
1428889	Drill Core	3.4	0.6	<0.05	0.023	4	<0.5	<0.5	
1428890	Drill Core	20.9	0.7	0.12	0.018	6	<0.5	<0.5	
1428891	Drill Core	37.0	0.9	0.07	0.015	9	<0.5	<0.5	
1428892	Drill Core	10.1	1.7	<0.05	<0.005	<1	<0.5	<0.5	
1428893	Drill Core	13.7	1.8	<0.05	<0.005	<1	<0.5	<0.5	
1428894	Drill Core	13.7	1.8	<0.05	0.007	<1	<0.5	<0.5	
1428895	Drill Core	15.0	1.4	0.06	<0.005	<1	<0.5	<0.5	
1428896	Drill Core	24.4	0.9	0.07	0.005	2	0.5	<0.5	
1428897	Drill Core	12.4	1.0	0.06	<0.005	1	<0.5	<0.5	
1428898	Drill Core	14.5	1.2	<0.05	0.008	2	<0.5	<0.5	
1428899	Drill Core	19.8	1.0	<0.05	0.007	3	<0.5	<0.5	
1428900	Drill Core	10.5	1.7	<0.05	<0.005	1	<0.5	<0.5	
1428901	Drill Core	12.3	1.7	<0.05	<0.005	2	<0.5	<0.5	
1428902	Drill Core	10.1	1.7	0.07	<0.005	1	<0.5	<0.5	
1428903	Drill Core	20.3	1.6	<0.05	<0.005	<1	<0.5	<0.5	
1428904	Drill Core	24.9	0.9	0.08	<0.005	5	<0.5	<0.5	
1428905	Drill Core	18.1	0.9	0.14	<0.005	10	1.0	<0.5	
1428906	Drill Core	18.0	0.7	0.19	0.014	20	0.6	<0.5	1.93
1428907	Drill Core	18.7	0.5	0.16	<0.005	16	0.8	<0.5	1.10
1428908	Drill Core	12.5	0.7	0.09	0.021	5	1.1	<0.5	
1428909	Drill Core	13.1	0.9	0.16	0.019	3	<0.5	<0.5	
1428910	Drill Core	24.9	0.6	0.06	<0.005	5	0.9	<0.5	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428911	Drill Core	5.75	0.362	0.7	5283.3	6.0	65	0.8	197.4	83.0	678	15.49	13	0.4	0.4	402	0.1	0.6	0.1	505	5.37
1428912	Drill Core	5.41	0.222	0.3	2368.8	3.9	47	0.6	126.1	75.8	705	9.27	12	0.4	0.5	441	<0.1	0.6	<0.1	424	7.08
1428913	Drill Core	5.39	0.233	0.4	4447.9	3.9	70	0.7	154.3	65.5	889	10.73	6	0.5	0.5	496	0.1	1.2	0.1	407	6.78
1428914	Drill Core	5.32	0.192	0.6	3076.7	2.8	64	0.4	145.5	57.5	725	10.59	5	0.6	0.4	323	<0.1	0.5	<0.1	438	6.65
1428915	Drill Core	3.78	0.473	0.8	>10000	15.4	114	2.1	140.7	144.6	1163	15.12	25	0.8	0.5	600	0.4	2.6	0.1	396	6.52
1428916	Drill Core	5.01	0.329	0.2	3922.6	3.6	57	0.8	76.2	50.8	745	9.66	3	0.5	0.4	451	<0.1	0.4	<0.1	392	6.60
1428917	Drill Core	5.80	0.219	0.3	2888.3	2.8	56	0.3	63.8	43.1	802	8.50	5	0.4	0.5	427	<0.1	0.5	<0.1	386	7.18
1428918	Drill Core	4.91	0.215	0.2	3615.6	4.1	63	0.5	85.1	57.6	1076	10.13	6	0.8	0.7	563	<0.1	1.1	<0.1	522	8.49
1428919	Drill Core	4.93	0.024	0.4	609.6	1.8	27	0.1	25.5	26.7	534	7.59	3	0.8	1.5	547	<0.1	0.3	<0.1	308	5.97
1428920	Drill Core	4.91	0.032	0.2	705.0	2.7	30	<0.1	15.3	25.7	569	7.06	2	0.7	1.4	527	<0.1	0.5	<0.1	300	5.97
1428921	Drill Core	4.23	0.905	0.5	6508.6	5.4	76	1.3	87.2	81.5	1282	10.60	3	1.0	0.9	936	0.4	3.4	<0.1	426	9.47
1428922	Drill Core	4.06	0.018	0.9	927.5	2.5	34	0.2	31.0	29.6	772	8.23	3	0.9	1.3	601	<0.1	1.2	<0.1	297	6.43
1428923	Drill Core	4.81	0.044	1.2	1553.7	2.8	49	0.2	35.5	38.9	675	8.74	4	1.0	1.5	452	<0.1	0.5	<0.1	299	5.86
1428924	Drill Core	5.76	0.031	0.7	692.5	1.5	28	<0.1	25.2	31.4	581	7.81	3	1.0	1.4	493	<0.1	0.3	<0.1	303	5.95
1428925	Drill Core	5.61	0.069	0.2	687.0	1.1	19	<0.1	17.3	27.9	463	7.16	2	1.1	1.4	541	<0.1	0.1	<0.1	298	5.75
1428926	Drill Core	5.81	0.026	0.2	356.2	1.2	19	<0.1	17.3	30.3	532	7.30	2	1.7	1.5	599	<0.1	<0.1	<0.1	302	5.72
1428927	Drill Core	5.49	0.027	0.8	883.0	1.7	29	0.2	20.8	35.2	538	7.98	3	1.0	1.5	606	<0.1	0.1	<0.1	302	5.72
1428928	Drill Core	5.64	0.048	1.9	1053.1	3.3	34	0.2	23.9	30.6	602	7.97	3	1.4	1.4	499	<0.1	0.1	<0.1	294	5.75
1428929	Drill Core	5.31	0.053	0.7	729.7	2.2	36	<0.1	23.4	33.7	652	7.55	2	1.3	1.5	426	<0.1	0.1	<0.1	292	5.67
1428930	Drill Core	4.26	0.047	1.2	779.3	3.4	32	0.1	26.6	32.6	572	8.35	2	1.1	1.4	617	<0.1	0.8	<0.1	298	5.93
1428931	Drill Core	4.15	0.028	0.2	370.5	1.2	21	<0.1	15.0	28.4	455	7.17	3	0.8	1.5	506	<0.1	<0.1	<0.1	304	6.05
1428932	Drill Core	3.97	0.054	0.3	610.9	1.2	23	<0.1	18.6	31.0	477	7.15	2	1.0	1.6	314	<0.1	0.2	<0.1	294	6.28
1428933	Drill Core	5.37	0.055	0.2	806.6	0.9	44	<0.1	69.1	43.7	1121	7.95	2	0.4	0.5	281	<0.1	<0.1	<0.1	262	7.25
1428934	Drill Core	4.73	0.159	0.2	2041.1	1.5	39	0.2	60.8	52.1	682	8.34	2	0.6	0.7	456	<0.1	0.2	<0.1	278	5.88
1428935	Drill Core	5.20	0.147	0.3	2023.4	1.8	39	0.3	54.1	41.3	674	8.20	2	0.5	0.6	512	<0.1	0.2	<0.1	278	5.92
1428936	Drill Core	4.70	0.091	0.2	1457.4	1.6	32	0.2	62.8	34.4	601	11.64	3	0.6	0.8	411	<0.1	0.2	<0.1	370	5.65
1428937	Drill Core	4.48	0.109	0.4	1077.2	1.6	28	0.1	57.3	33.9	604	11.29	1	0.9	1.1	519	<0.1	0.2	<0.1	379	5.50
1428938	Drill Core	4.59	0.053	0.2	897.8	1.3	22	0.1	18.5	32.1	412	7.22	2	1.6	1.5	549	<0.1	0.1	<0.1	291	5.70
1428939	Drill Core	5.50	0.064	0.3	525.3	1.2	17	<0.1	16.6	38.0	448	7.38	2	1.3	1.5	582	<0.1	<0.1	<0.1	303	5.84
1428940	Drill Core	4.85	0.016	0.4	734.3	4.6	30	0.1	24.1	46.1	564	7.73	2	0.9	1.6	494	<0.1	0.3	<0.1	303	5.98

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428911	Drill Core		0.114	4.8	65	2.73	349	0.351	7.51	2.423	0.72	0.1	12.0	11	0.6	9.6	0.5	<0.1	<1	20	11.4	1.1
1428912	Drill Core		0.186	4.7	83	3.42	224	0.424	8.21	2.352	0.67	<0.1	17.4	13	0.7	13.9	0.8	<0.1	<1	29	9.5	0.8
1428913	Drill Core		0.128	4.5	125	3.61	129	0.402	7.42	2.308	0.45	<0.1	16.2	12	0.8	13.1	0.7	<0.1	<1	27	9.1	0.7
1428914	Drill Core		0.129	4.1	100	3.34	152	0.397	8.00	2.514	0.44	<0.1	15.0	12	0.7	12.1	0.6	<0.1	<1	27	8.7	0.6
1428915	Drill Core		0.124	3.9	62	3.16	108	0.377	7.04	1.705	0.34	1.2	12.5	10	0.8	11.4	0.5	<0.1	<1	22	10.0	2.1
1428916	Drill Core		0.125	4.2	61	3.21	216	0.416	8.20	2.523	0.50	<0.1	14.9	11	0.7	12.7	0.6	<0.1	<1	26	10.9	0.6
1428917	Drill Core		0.136	4.0	47	3.31	196	0.417	7.92	2.211	0.47	<0.1	18.7	11	0.8	12.7	0.8	<0.1	<1	28	12.0	0.5
1428918	Drill Core		0.139	5.0	83	4.19	203	0.495	9.54	2.517	0.56	0.2	22.9	15	1.3	15.5	1.0	<0.1	<1	35	13.0	0.6
1428919	Drill Core		0.137	5.5	16	2.88	245	0.423	8.42	3.389	0.43	<0.1	34.2	13	0.7	12.6	1.5	<0.1	<1	25	9.5	0.1
1428920	Drill Core		0.133	5.1	19	2.74	241	0.415	8.23	3.384	0.43	<0.1	34.9	12	0.7	12.9	1.4	<0.1	<1	25	8.7	0.1
1428921	Drill Core		0.119	4.7	112	3.45	37	0.384	7.45	1.207	0.14	0.2	24.6	11	0.9	11.2	0.9	<0.1	<1	28	6.2	0.6
1428922	Drill Core		0.131	4.7	15	2.77	138	0.382	7.97	3.075	0.43	0.1	32.2	12	0.6	13.3	1.3	<0.1	<1	24	7.6	0.1
1428923	Drill Core		0.134	5.2	16	2.78	157	0.398	8.08	3.344	0.34	0.1	32.0	13	0.6	13.3	1.4	<0.1	<1	25	9.8	0.3
1428924	Drill Core		0.132	6.2	16	2.75	223	0.407	8.05	3.252	0.42	0.1	32.7	14	0.7	12.3	1.5	<0.1	<1	25	7.6	0.1
1428925	Drill Core		0.134	5.7	17	2.69	234	0.420	8.10	3.377	0.34	<0.1	35.7	14	0.8	12.7	1.7	<0.1	<1	25	5.7	0.2
1428926	Drill Core		0.127	6.5	16	2.81	244	0.406	8.28	3.289	0.28	<0.1	42.1	18	0.9	14.1	1.5	<0.1	<1	25	5.9	<0.1
1428927	Drill Core		0.125	5.8	16	2.74	258	0.408	8.16	3.319	0.35	<0.1	34.4	14	0.7	13.7	1.4	<0.1	<1	25	7.8	0.2
1428928	Drill Core		0.128	6.7	16	2.66	228	0.411	7.95	3.265	0.44	<0.1	37.0	17	0.9	13.1	1.4	<0.1	<1	25	7.7	0.2
1428929	Drill Core		0.133	5.8	15	2.67	224	0.404	8.23	3.467	0.40	0.1	38.4	16	0.9	14.5	1.7	<0.1	<1	24	9.9	0.1
1428930	Drill Core		0.125	5.4	17	2.72	175	0.405	8.05	3.135	0.41	0.1	34.0	14	0.7	13.9	1.4	<0.1	<1	25	7.7	0.2
1428931	Drill Core		0.132	5.6	16	2.73	196	0.419	8.31	3.452	0.32	<0.1	36.4	13	0.6	12.8	1.4	<0.1	<1	25	6.8	0.1
1428932	Drill Core		0.132	5.8	15	2.63	154	0.412	8.46	3.517	0.25	<0.1	37.1	14	0.7	12.6	1.5	<0.1	<1	25	6.7	0.1
1428933	Drill Core		0.136	4.3	191	4.62	132	0.458	7.44	2.430	0.33	<0.1	23.7	12	0.7	18.9	1.1	<0.1	<1	40	11.7	0.1
1428934	Drill Core		0.093	4.7	74	3.15	193	0.420	8.43	3.114	0.40	0.1	22.5	13	0.6	15.4	1.1	<0.1	<1	29	9.9	0.4
1428935	Drill Core		0.081	3.9	41	2.62	202	0.408	8.75	3.037	0.42	0.1	18.6	11	0.6	14.9	1.1	<0.1	<1	23	9.2	0.4
1428936	Drill Core		0.091	4.3	39	2.62	161	0.418	8.23	2.866	0.35	0.2	19.0	13	0.7	15.5	1.0	<0.1	<1	24	7.7	0.3
1428937	Drill Core		0.130	4.7	24	2.51	191	0.450	8.48	2.955	0.38	<0.1	20.3	16	1.0	21.0	1.4	<0.1	<1	24	6.8	0.2
1428938	Drill Core		0.143	5.1	8	2.34	188	0.414	8.56	3.667	0.21	<0.1	31.6	12	0.6	10.7	1.7	<0.1	<1	22	6.9	0.2
1428939	Drill Core		0.139	5.5	14	2.70	228	0.427	8.50	3.567	0.28	<0.1	35.8	15	0.7	13.1	1.5	<0.1	<1	24	5.8	0.1
1428940	Drill Core		0.134	5.6	17	2.80	206	0.409	8.17	3.501	0.38	<0.1	35.8	15	0.7	15.2	1.6	<0.1	<1	25	8.5	0.2

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Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428911	Drill Core	17.3	0.4	0.08	0.006	5	<0.5	<0.5	
1428912	Drill Core	17.1	0.8	0.08	<0.005	3	0.8	<0.5	
1428913	Drill Core	12.0	0.6	0.11	<0.005	4	0.5	<0.5	
1428914	Drill Core	11.4	0.5	0.07	<0.005	3	0.9	<0.5	
1428915	Drill Core	8.4	0.4	0.15	<0.005	7	<0.5	<0.5	1.15
1428916	Drill Core	12.3	0.6	0.08	<0.005	2	<0.5	<0.5	
1428917	Drill Core	12.2	0.7	0.10	<0.005	2	0.6	<0.5	
1428918	Drill Core	14.4	0.8	0.07	<0.005	3	1.0	<0.5	
1428919	Drill Core	10.7	1.2	<0.05	<0.005	<1	0.6	<0.5	
1428920	Drill Core	12.4	1.2	<0.05	<0.005	<1	<0.5	<0.5	
1428921	Drill Core	3.3	0.8	0.23	<0.005	3	1.1	<0.5	
1428922	Drill Core	13.2	1.3	0.07	<0.005	<1	0.6	<0.5	
1428923	Drill Core	9.7	1.1	0.05	<0.005	<1	<0.5	<0.5	
1428924	Drill Core	11.4	1.2	0.05	<0.005	<1	0.7	<0.5	
1428925	Drill Core	8.5	1.3	<0.05	<0.005	<1	0.6	<0.5	
1428926	Drill Core	6.3	1.4	<0.05	<0.005	<1	0.6	<0.5	
1428927	Drill Core	9.3	1.2	<0.05	0.010	<1	0.8	<0.5	
1428928	Drill Core	13.0	1.2	<0.05	0.017	<1	0.5	<0.5	
1428929	Drill Core	11.5	1.3	<0.05	<0.005	<1	0.9	<0.5	
1428930	Drill Core	13.5	1.2	<0.05	0.009	<1	<0.5	<0.5	
1428931	Drill Core	9.2	1.3	<0.05	<0.005	<1	<0.5	<0.5	
1428932	Drill Core	6.9	1.4	<0.05	<0.005	<1	0.9	<0.5	
1428933	Drill Core	7.9	0.9	0.06	<0.005	<1	1.7	<0.5	
1428934	Drill Core	10.8	0.9	<0.05	<0.005	1	0.6	<0.5	
1428935	Drill Core	10.8	0.8	0.06	<0.005	2	0.7	<0.5	
1428936	Drill Core	8.9	0.7	<0.05	<0.005	1	0.6	<0.5	
1428937	Drill Core	10.1	0.8	<0.05	<0.005	<1	0.6	<0.5	
1428938	Drill Core	3.9	1.1	<0.05	<0.005	<1	<0.5	<0.5	
1428939	Drill Core	5.4	1.2	<0.05	<0.005	<1	0.7	<0.5	
1428940	Drill Core	11.3	1.2	<0.05	<0.005	<1	0.6	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428941	Drill Core	4.67	0.033	0.2	734.7	1.7	22	0.1	21.0	30.9	640	6.05	3	0.5	0.9	370	<0.1	0.3	<0.1	251	13.75
1428942	Drill Core	5.28	0.112	0.2	1727.9	2.4	33	0.2	44.5	31.9	651	10.91	3	0.6	0.8	387	<0.1	0.3	<0.1	346	6.62
1428943	Drill Core	5.14	0.036	0.4	453.9	1.5	37	<0.1	22.0	34.8	857	6.31	2	0.5	0.6	566	<0.1	<0.1	<0.1	253	6.94
1428944	Drill Core	3.53	0.041	0.3	440.8	2.5	31	<0.1	27.5	31.8	739	6.26	2	0.5	0.6	650	<0.1	0.1	<0.1	279	6.46
1428945	Drill Core	4.08	<0.005	0.3	53.0	2.0	79	<0.1	25.4	26.9	1142	6.13	2	0.4	0.7	365	<0.1	<0.1	<0.1	186	5.39
1428946	Drill Core	4.84	0.042	1.5	549.2	1.9	36	<0.1	27.3	31.1	612	7.29	3	0.9	1.2	460	0.1	0.1	<0.1	243	6.06
1428947	Drill Core	4.32	0.032	<0.1	549.0	1.0	20	<0.1	34.4	29.1	500	8.52	<1	1.2	1.4	413	<0.1	<0.1	<0.1	266	5.92
1428948	Drill Core	6.18	0.049	0.3	357.2	0.7	18	<0.1	23.5	25.4	483	8.33	2	0.8	1.3	565	<0.1	<0.1	<0.1	358	6.86
1428949	Drill Core	5.48	0.047	0.2	543.1	1.1	41	<0.1	45.2	32.3	822	11.83	1	0.5	0.7	452	<0.1	<0.1	<0.1	420	5.89
1428950	Drill Core	2.75	0.035	0.2	313.5	1.2	43	<0.1	36.6	36.8	914	6.82	<1	0.7	1.0	535	<0.1	<0.1	<0.1	325	6.89
1428951	Drill Core	2.82	0.033	0.3	246.6	1.4	44	<0.1	37.1	36.4	912	6.88	<1	0.9	1.1	548	0.1	<0.1	<0.1	333	7.01
1428952	Drill Core	4.11	0.047	0.2	393.0	1.3	49	<0.1	29.6	34.6	943	7.10	1	0.7	1.1	472	<0.1	<0.1	<0.1	306	6.76
1428953	Drill Core	5.16	0.029	0.2	450.9	1.6	51	<0.1	27.5	34.7	1052	6.57	<1	0.8	1.2	475	<0.1	<0.1	<0.1	293	6.63
1428954	Drill Core	5.34	0.012	0.2	164.4	1.5	50	<0.1	25.3	29.9	1054	6.45	2	0.6	0.9	486	<0.1	<0.1	<0.1	307	7.02
1428955	Drill Core	5.03	0.038	0.3	421.0	1.7	39	<0.1	48.8	31.2	764	6.62	<1	0.6	1.0	451	<0.1	<0.1	<0.1	361	7.45
1428956	Drill Core	5.04	0.059	0.3	926.0	1.5	41	0.2	79.2	35.6	813	14.33	3	0.4	0.7	393	<0.1	<0.1	<0.1	579	6.66
1428957	Drill Core	4.49	0.039	0.5	494.8	1.4	43	0.2	29.9	41.0	796	6.27	1	0.8	1.1	465	<0.1	<0.1	<0.1	266	6.16
1428958	Drill Core	4.77	0.022	0.1	343.8	1.1	34	<0.1	31.5	26.6	691	6.99	2	0.7	0.9	328	<0.1	<0.1	<0.1	290	6.21
1428959	Drill Core	5.33	0.020	0.4	202.9	1.3	37	<0.1	32.1	34.2	870	6.81	<1	0.6	0.6	426	<0.1	<0.1	<0.1	278	6.20
1428960	Drill Core	4.88	0.018	0.3	287.4	2.2	37	<0.1	43.1	44.8	767	6.39	2	0.6	0.7	549	<0.1	<0.1	<0.1	288	6.31
1428961	Drill Core	4.58	0.127	0.3	2380.5	1.4	26	0.2	47.9	41.6	598	8.34	2	0.5	0.7	378	<0.1	0.2	<0.1	379	6.88
1428962	Drill Core	5.49	0.025	0.2	413.4	1.1	31	<0.1	35.3	29.3	667	8.48	2	0.6	0.8	471	<0.1	<0.1	<0.1	361	6.20
1428963	Drill Core	4.92	0.024	0.1	346.2	0.9	29	<0.1	35.2	28.3	662	8.72	<1	0.6	0.8	420	<0.1	<0.1	<0.1	401	6.98
1428964	Drill Core	5.20	0.014	<0.1	103.5	0.7	29	<0.1	65.7	35.3	744	12.89	1	0.3	0.5	254	<0.1	0.1	<0.1	633	8.38
1428965	Drill Core	5.31	0.011	0.1	187.8	0.9	17	<0.1	19.4	15.0	449	4.50	2	0.7	1.0	679	<0.1	<0.1	<0.1	339	9.62
1428966	Drill Core	5.24	0.006	0.1	97.4	1.1	18	<0.1	19.7	12.4	494	3.69	1	0.8	1.2	608	<0.1	<0.1	<0.1	293	10.21
1428967	Drill Core	4.81	0.014	0.2	188.9	1.1	20	<0.1	34.2	16.7	564	4.61	2	0.8	1.0	589	<0.1	<0.1	<0.1	311	9.56
1428968	Drill Core	5.08	0.009	<0.1	105.3	1.1	38	<0.1	75.8	31.8	958	6.19	2	0.3	0.6	477	0.1	<0.1	<0.1	339	9.57
1428969	Drill Core	4.97	0.033	0.1	215.7	1.1	24	<0.1	43.9	27.1	629	7.31	2	0.5	0.9	374	<0.1	<0.1	<0.1	424	9.46
1428970	Drill Core	5.14	0.007	0.1	122.3	1.4	24	<0.1	23.6	14.1	519	4.69	2	0.6	1.3	461	<0.1	<0.1	<0.1	329	9.46

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428941	Drill Core		0.078	3.6	22	2.30	121	0.316	5.95	2.314	0.25	<0.1	23.6	9	0.5	10.1	1.0	<0.1	<1	24	6.8	0.2
1428942	Drill Core		0.077	3.5	18	2.19	178	0.338	7.60	2.677	0.48	<0.1	19.5	9	0.6	10.4	0.9	<0.1	<1	20	8.5	0.3
1428943	Drill Core		0.089	4.3	20	2.56	308	0.401	8.23	2.592	0.50	0.1	21.7	11	0.5	12.1	1.0	<0.1	<1	23	7.8	0.2
1428944	Drill Core		0.085	4.0	17	2.56	273	0.414	9.03	3.106	0.59	<0.1	23.3	11	0.6	12.3	0.9	<0.1	<1	23	8.2	0.1
1428945	Drill Core		0.114	5.0	48	2.34	64	0.495	9.36	3.487	0.13	0.2	36.8	10	0.7	10.6	1.8	0.1	<1	14	12.7	<0.1
1428946	Drill Core		0.116	5.3	17	1.93	176	0.447	8.61	3.756	0.36	0.1	38.1	11	0.9	14.6	1.8	0.1	<1	14	10.6	0.1
1428947	Drill Core		0.090	5.3	10	2.17	148	0.428	8.58	4.016	0.24	<0.1	35.8	12	0.7	13.4	1.4	<0.1	<1	20	7.1	0.2
1428948	Drill Core		0.115	5.8	25	3.03	183	0.475	8.25	3.015	0.28	<0.1	30.0	14	0.7	14.7	1.2	<0.1	<1	28	6.2	<0.1
1428949	Drill Core		0.080	3.8	35	2.77	198	0.461	8.25	2.985	0.40	<0.1	23.8	9	0.6	11.9	1.0	<0.1	<1	23	7.2	0.1
1428950	Drill Core		0.133	7.6	58	3.26	184	0.483	8.18	2.803	0.44	<0.1	29.8	17	0.8	14.3	1.5	<0.1	1	32	5.7	0.2
1428951	Drill Core		0.135	7.8	62	3.37	191	0.492	8.39	2.821	0.46	<0.1	31.6	18	0.8	15.0	1.4	<0.1	<1	34	6.4	0.2
1428952	Drill Core		0.096	6.3	39	3.03	212	0.482	8.60	2.895	0.42	<0.1	28.9	15	0.7	12.6	1.4	<0.1	<1	28	4.6	0.2
1428953	Drill Core		0.081	5.7	31	2.88	243	0.465	8.93	3.019	0.55	0.1	30.2	13	0.6	11.8	1.3	<0.1	<1	25	4.6	0.3
1428954	Drill Core		0.078	3.8	28	3.04	225	0.483	8.63	2.718	0.47	<0.1	22.7	9	0.5	11.3	0.7	<0.1	<1	25	6.8	0.1
1428955	Drill Core		0.103	4.6	47	3.22	166	0.492	8.66	2.770	0.41	<0.1	23.8	12	0.6	12.4	1.0	<0.1	<1	27	8.8	0.2
1428956	Drill Core		0.299	5.0	25	3.51	189	0.425	7.16	2.392	0.47	0.1	17.5	11	0.6	13.6	0.9	<0.1	<1	23	9.2	0.3
1428957	Drill Core		0.085	5.6	21	2.78	255	0.498	9.36	3.441	0.51	0.1	26.7	14	0.7	13.6	1.3	<0.1	<1	25	11.0	0.4
1428958	Drill Core		0.090	4.2	18	2.37	166	0.467	8.81	3.365	0.50	0.1	24.7	11	0.6	13.1	1.1	<0.1	<1	23	8.8	0.1
1428959	Drill Core		0.084	3.9	21	2.75	247	0.470	8.74	3.232	0.59	<0.1	27.7	9	0.6	13.1	1.1	<0.1	<1	23	7.5	0.1
1428960	Drill Core		0.103	4.2	20	2.89	276	0.483	9.04	3.275	0.57	0.1	26.4	11	0.6	15.4	1.1	<0.1	<1	26	8.1	0.3
1428961	Drill Core		0.191	4.7	27	3.18	102	0.491	8.18	2.857	0.32	0.2	22.5	12	0.7	15.4	1.0	<0.1	<1	27	9.7	0.3
1428962	Drill Core		0.150	5.1	34	3.05	168	0.603	8.46	3.165	0.40	0.1	27.4	13	0.8	20.1	1.3	<0.1	<1	35	9.0	<0.1
1428963	Drill Core		0.171	5.5	30	3.13	162	0.724	8.50	2.723	0.42	<0.1	23.1	16	0.9	24.8	1.5	<0.1	<1	42	8.1	<0.1
1428964	Drill Core		0.117	3.1	301	4.94	90	0.427	5.63	1.534	0.30	<0.1	16.7	8	0.7	13.6	0.8	<0.1	<1	42	7.4	<0.1
1428965	Drill Core		0.176	5.5	34	3.17	178	0.455	8.80	2.483	0.39	<0.1	20.0	15	0.7	15.1	1.2	<0.1	<1	21	10.0	<0.1
1428966	Drill Core		0.138	6.1	62	3.41	87	0.480	8.77	2.604	0.20	<0.1	23.2	16	0.6	17.8	1.5	<0.1	<1	28	10.1	<0.1
1428967	Drill Core		0.164	6.1	106	3.73	94	0.497	8.54	2.599	0.26	0.1	24.3	16	0.8	17.8	1.4	<0.1	<1	29	11.1	<0.1
1428968	Drill Core		0.112	4.1	279	5.28	114	0.419	7.00	1.400	0.29	<0.1	17.6	10	0.6	13.9	0.7	<0.1	<1	44	11.5	<0.1
1428969	Drill Core		0.160	4.8	180	4.24	125	0.408	6.77	1.552	0.40	<0.1	17.7	11	0.6	12.2	0.9	<0.1	<1	33	11.6	<0.1
1428970	Drill Core		0.202	5.5	64	3.44	157	0.497	8.22	1.995	0.45	<0.1	21.1	14	0.7	14.2	1.1	<0.1	<1	29	12.5	<0.1

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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428941	Drill Core	7.6	0.8	<0.05	<0.005	<1	2.1	<0.5	
1428942	Drill Core	14.9	0.7	0.06	<0.005	1	<0.5	<0.5	
1428943	Drill Core	12.0	0.7	<0.05	<0.005	<1	1.2	<0.5	
1428944	Drill Core	15.3	0.9	<0.05	<0.005	<1	0.6	<0.5	
1428945	Drill Core	0.8	1.1	0.07	<0.005	<1	<0.5	<0.5	
1428946	Drill Core	6.4	1.3	<0.05	0.024	<1	<0.5	<0.5	
1428947	Drill Core	5.3	1.3	<0.05	0.007	<1	0.6	<0.5	
1428948	Drill Core	3.3	1.1	0.06	<0.005	<1	1.2	<0.5	
1428949	Drill Core	5.2	0.8	<0.05	<0.005	<1	<0.5	<0.5	
1428950	Drill Core	4.1	1.0	0.07	<0.005	<1	1.1	<0.5	
1428951	Drill Core	4.9	1.0	0.06	<0.005	<1	0.5	<0.5	
1428952	Drill Core	3.3	1.0	0.07	<0.005	<1	<0.5	<0.5	
1428953	Drill Core	4.3	0.9	0.08	<0.005	<1	<0.5	<0.5	
1428954	Drill Core	4.1	0.6	0.06	<0.005	<1	<0.5	<0.5	
1428955	Drill Core	4.6	0.8	<0.05	<0.005	<1	<0.5	<0.5	
1428956	Drill Core	13.5	0.7	<0.05	<0.005	<1	0.9	<0.5	
1428957	Drill Core	9.5	0.9	0.06	0.006	<1	1.0	<0.5	
1428958	Drill Core	10.8	0.8	<0.05	<0.005	<1	1.0	<0.5	
1428959	Drill Core	8.9	1.0	<0.05	<0.005	<1	<0.5	<0.5	
1428960	Drill Core	12.0	1.0	<0.05	<0.005	<1	0.5	<0.5	
1428961	Drill Core	8.4	1.0	0.08	<0.005	<1	<0.5	<0.5	
1428962	Drill Core	7.5	1.1	<0.05	<0.005	<1	<0.5	<0.5	
1428963	Drill Core	11.0	1.0	0.10	<0.005	<1	<0.5	<0.5	
1428964	Drill Core	7.0	0.6	0.07	<0.005	<1	0.9	<0.5	
1428965	Drill Core	9.7	0.9	<0.05	<0.005	<1	0.9	<0.5	
1428966	Drill Core	5.3	0.9	<0.05	<0.005	<1	3.0	<0.5	
1428967	Drill Core	6.1	0.9	<0.05	<0.005	<1	1.0	<0.5	
1428968	Drill Core	6.8	0.7	<0.05	<0.005	<1	0.9	<0.5	
1428969	Drill Core	12.4	0.7	0.06	<0.005	<1	<0.5	<0.5	
1428970	Drill Core	13.7	0.8	<0.05	<0.005	<1	1.6	<0.5	

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1428971	Drill Core	5.22	0.020	<0.1	204.2	1.3	32	<0.1	50.4	29.0	697	7.89	2	0.5	0.9	425	<0.1	<0.1	<0.1	454	9.39
1428972	Drill Core	6.12	0.037	0.1	469.0	1.5	21	0.1	22.8	18.0	542	4.89	2	0.7	1.4	506	<0.1	<0.1	<0.1	340	9.83
1428973	Drill Core	5.22	0.075	0.1	1179.6	1.7	24	0.2	30.8	19.3	564	6.26	2	0.7	1.3	653	<0.1	0.3	<0.1	383	9.59

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Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1428971	Drill Core	0.125	4.6	198	4.09	130	0.450	7.66	1.881	0.35	<0.1	19.0	12	0.8	13.0	0.9	<0.1	<1	36	11.5	<0.1
1428972	Drill Core	0.191	6.6	30	3.40	118	0.506	8.92	2.383	0.34	<0.1	24.4	16	0.6	15.1	1.3	<0.1	<1	31	11.5	<0.1
1428973	Drill Core	0.181	6.2	36	3.62	191	0.486	8.07	1.975	0.36	<0.1	21.1	16	0.6	15.6	1.2	<0.1	<1	32	11.9	0.2

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310 - 675 W. Hastings St.
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Project: Hat
Report Date: September 20, 2014

CERTIFICATE OF ANALYSIS SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
1428971	Drill Core	9.1	0.7	0.07	<0.005	<1	<0.5	<0.5	
1428972	Drill Core	8.7	1.0	<0.05	<0.005	<1	<0.5	<0.5	
1428973	Drill Core	10.6	0.8	0.05	<0.005	<1	0.7	<0.5	

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Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
1428704	Drill Core	4.74	0.013	4.6	123.4	1.9	42	<0.1	38.4	72.3	1717	8.45	2	0.9	1.5	447	<0.1	0.9	<0.1	290	6.23
REP 1428704	QC			4.5	122.5	1.9	43	<0.1	37.3	67.9	1704	8.34	3	0.9	1.4	447	<0.1	0.8	<0.1	287	6.21
1428738	Drill Core	3.65	0.034	0.7	925.2	3.6	63	0.4	52.0	53.1	1680	7.97	5	0.4	0.9	349	<0.1	0.4	<0.1	281	5.62
REP 1428738	QC		0.036																		
1428739	Drill Core	5.69	0.074	0.5	480.9	1.5	53	0.2	56.3	43.9	1236	7.26	4	0.4	0.9	376	0.2	0.2	<0.1	269	6.27
REP 1428739	QC			0.6	485.1	1.5	55	0.2	56.8	45.3	1229	7.27	4	0.4	0.8	374	0.2	0.3	<0.1	266	6.23
1428798	Drill Core	3.24	8.297	0.6	>10000	5.0	40	2.6	57.0	92.2	1505	11.55	8	1.1	1.3	1228	0.2	4.3	0.1	242	7.69
REP 1428798	QC		8.275																		
1428803	Drill Core	2.80	0.126	<0.1	292.5	0.7	36	<0.1	61.8	34.9	997	6.98	<1	0.7	1.0	386	<0.1	0.4	<0.1	225	5.37
REP 1428803	QC			0.3	294.2	0.7	35	<0.1	56.3	36.3	988	6.94	<1	0.6	1.1	375	<0.1	0.4	<0.1	224	5.31
1428810	Drill Core	5.57	0.011	1.1	425.3	0.8	48	<0.1	94.0	45.1	1506	9.13	3	0.8	1.1	489	<0.1	1.0	<0.1	301	6.87
REP 1428810	QC			1.1	433.2	0.8	49	<0.1	96.4	45.1	1494	9.15	2	0.8	1.0	485	<0.1	1.0	<0.1	301	6.59
1428813	Drill Core	5.26	0.152	25.0	857.2	1.2	42	<0.1	64.6	39.9	1256	7.94	2	1.1	1.1	440	<0.1	1.3	<0.1	283	6.93
REP 1428813	QC		0.130																		
1428842	Drill Core	4.89	0.053	1.3	473.1	1.2	27	<0.1	30.6	40.3	730	5.85	3	1.6	2.5	413	<0.1	0.2	<0.1	240	5.61
REP 1428842	QC			1.8	470.4	1.2	28	<0.1	31.4	41.4	710	5.75	5	1.6	2.4	415	<0.1	0.1	<0.1	231	5.61
1428873	Drill Core	4.59	0.527	0.8	8285.7	4.3	44	0.7	77.3	167.7	991	10.53	5	0.9	0.9	421	<0.1	2.0	<0.1	260	6.74
REP 1428873	QC		0.586																		
1428880	Drill Core	4.13	0.289	6.3	2377.2	2.1	82	0.4	123.1	96.8	940	22.86	4	0.9	0.9	256	<0.1	0.5	0.1	596	5.57
REP 1428880	QC			7.1	2599.0	2.4	85	0.4	135.5	104.6	976	24.52	4	0.9	1.0	277	<0.1	0.5	<0.1	624	5.39
1428915	Drill Core	3.78	0.473	0.8	>10000	15.4	114	2.1	140.7	144.6	1163	15.12	25	0.8	0.5	600	0.4	2.6	0.1	396	6.52
REP 1428915	QC			1.1	>10000	14.7	116	2.1	142.3	147.7	1196	15.47	24	0.8	0.5	608	0.4	2.8	0.1	407	6.68
1428945	Drill Core	4.08	<0.005	0.3	53.0	2.0	79	<0.1	25.4	26.9	1142	6.13	2	0.4	0.7	365	<0.1	<0.1	<0.1	186	5.39
REP 1428945	QC			0.2	49.3	1.9	75	<0.1	25.6	25.3	1162	6.28	3	0.4	0.5	360	<0.1	<0.1	<0.1	191	5.50
1428948	Drill Core	6.18	0.049	0.3	357.2	0.7	18	<0.1	23.5	25.4	483	8.33	2	0.8	1.3	565	<0.1	<0.1	<0.1	358	6.86
REP 1428948	QC		0.044																		
REP 1428963	QC		0.025																		
1428972	Drill Core	6.12	0.037	0.1	469.0	1.5	21	0.1	22.8	18.0	542	4.89	2	0.7	1.4	506	<0.1	<0.1	<0.1	340	9.83

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
1428704	Drill Core	0.090	13.9	85	3.08	403	0.497	8.90	2.959	0.83	0.4	24.2	22	1.0	12.9	1.0	<0.1	<1	24	11.0	0.4
REP 1428704	QC	0.091	12.4	81	3.04	399	0.487	8.64	2.918	0.84	0.4	24.0	20	1.1	12.5	1.0	<0.1	<1	23	11.2	0.4
1428738	Drill Core	0.068	5.2	157	3.83	320	0.467	7.95	2.737	0.66	0.4	28.8	11	0.7	11.2	0.7	<0.1	<1	35	14.6	0.3
REP 1428738	QC																				
1428739	Drill Core	0.050	5.2	165	3.80	279	0.474	8.09	2.753	0.72	0.2	30.0	11	0.6	12.2	0.6	<0.1	<1	31	14.2	0.2
REP 1428739	QC	0.049	4.8	160	3.78	278	0.459	8.06	2.727	0.72	0.2	29.9	10	0.7	11.5	0.6	<0.1	<1	31	14.3	0.2
1428798	Drill Core	0.088	6.2	86	2.63	159	0.360	8.30	1.568	0.44	1.4	25.1	13	1.3	11.5	0.8	<0.1	<1	29	9.6	2.3
REP 1428798	QC																				
1428803	Drill Core	0.083	5.3	149	3.55	280	0.406	7.94	3.623	0.79	2.6	20.7	11	0.7	10.9	1.3	<0.1	1	27	13.2	0.1
REP 1428803	QC	0.079	5.1	137	3.50	278	0.389	7.83	3.588	0.75	2.4	20.4	11	0.7	10.0	1.2	<0.1	<1	27	11.7	0.1
1428810	Drill Core	0.117	10.5	248	5.23	282	0.465	7.67	2.685	0.60	0.9	18.1	20	0.9	13.7	1.3	<0.1	<1	38	13.9	0.1
REP 1428810	QC	0.115	9.8	253	5.18	278	0.480	7.36	2.646	0.60	0.9	15.7	19	0.9	13.1	1.3	<0.1	<1	37	13.8	0.1
1428813	Drill Core	0.092	6.5	163	4.19	219	0.464	8.56	3.469	0.46	0.5	14.6	15	0.9	15.6	1.4	<0.1	<1	31	12.4	0.2
REP 1428813	QC																				
1428842	Drill Core	0.126	6.1	70	2.72	236	0.390	8.56	3.951	0.63	0.2	38.3	15	0.7	13.7	1.0	<0.1	<1	24	7.7	0.3
REP 1428842	QC	0.128	5.8	72	2.70	241	0.389	8.63	3.936	0.63	0.2	34.5	14	0.6	14.7	1.0	<0.1	<1	24	5.9	0.3
1428873	Drill Core	0.064	19.5	173	3.38	231	0.388	6.54	1.965	0.50	0.2	20.2	28	0.9	12.1	1.0	<0.1	<1	27	11.6	2.3
REP 1428873	QC																				
1428880	Drill Core	0.108	3.3	93	3.26	166	0.363	6.66	2.571	0.52	0.1	22.8	10	1.0	12.9	1.0	<0.1	<1	24	8.9	0.8
REP 1428880	QC	0.116	3.8	98	3.54	182	0.388	7.04	2.716	0.54	<0.1	23.0	11	1.1	13.8	1.1	<0.1	1	24	9.1	0.8
1428915	Drill Core	0.124	3.9	62	3.16	108	0.377	7.04	1.705	0.34	1.2	12.5	10	0.8	11.4	0.5	<0.1	<1	22	10.0	2.1
REP 1428915	QC	0.128	3.8	61	3.25	104	0.380	7.14	1.731	0.34	1.0	12.8	10	0.9	11.3	0.5	<0.1	<1	22	9.9	2.1
1428945	Drill Core	0.114	5.0	48	2.34	64	0.495	9.36	3.487	0.13	0.2	36.8	10	0.7	10.6	1.8	0.1	<1	14	12.7	<0.1
REP 1428945	QC	0.112	4.6	41	2.36	64	0.504	9.41	3.545	0.12	0.3	35.9	10	0.6	10.3	1.8	0.1	1	14	11.5	<0.1
1428948	Drill Core	0.115	5.8	25	3.03	183	0.475	8.25	3.015	0.28	<0.1	30.0	14	0.7	14.7	1.2	<0.1	<1	28	6.2	<0.1
REP 1428948	QC																				
REP 1428963	QC																				
1428972	Drill Core	0.191	6.6	30	3.40	118	0.506	8.92	2.383	0.34	<0.1	24.4	16	0.6	15.1	1.3	<0.1	<1	31	11.5	<0.1

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
Pulp Duplicates									
1428704	Drill Core	18.3	0.9	0.12	0.032	<1	1.0	<0.5	
REP 1428704	QC	14.2	0.9	0.13	0.022	<1	<0.5	<0.5	
1428738	Drill Core	18.7	0.9	0.14	0.007	<1	<0.5	<0.5	
REP 1428738	QC								
1428739	Drill Core	17.3	0.9	0.07	<0.005	<1	<0.5	<0.5	
REP 1428739	QC	17.6	0.9	<0.05	<0.005	<1	<0.5	<0.5	
1428798	Drill Core	8.6	0.8	0.17	0.009	1	<0.5	<0.5	2.26
REP 1428798	QC								
1428803	Drill Core	14.7	0.8	0.13	0.007	<1	<0.5	<0.5	
REP 1428803	QC	14.9	0.8	0.07	<0.005	<1	<0.5	<0.5	
1428810	Drill Core	20.1	0.6	<0.05	0.050	<1	1.5	<0.5	
REP 1428810	QC	19.7	0.4	0.07	0.023	<1	0.7	<0.5	
1428813	Drill Core	15.3	0.4	0.11	0.111	<1	<0.5	<0.5	
REP 1428813	QC								
1428842	Drill Core	19.1	1.2	0.09	0.009	2	<0.5	<0.5	
REP 1428842	QC	18.7	1.1	<0.05	0.005	<1	<0.5	<0.5	
1428873	Drill Core	15.4	0.8	0.08	0.011	5	<0.5	<0.5	
REP 1428873	QC								
1428880	Drill Core	10.6	0.9	<0.05	0.081	3	0.8	<0.5	
REP 1428880	QC	11.5	1.0	0.05	0.106	3	0.8	<0.5	
1428915	Drill Core	8.4	0.4	0.15	<0.005	7	<0.5	<0.5	1.15
REP 1428915	QC	9.1	0.5	0.20	0.009	8	<0.5	<0.5	1.15
1428945	Drill Core	0.8	1.1	0.07	<0.005	<1	<0.5	<0.5	
REP 1428945	QC	0.7	1.1	0.06	<0.005	<1	<0.5	<0.5	
1428948	Drill Core	3.3	1.1	0.06	<0.005	<1	1.2	<0.5	
REP 1428948	QC								
REP 1428963	QC								
1428972	Drill Core	8.7	1.0	<0.05	<0.005	<1	<0.5	<0.5	

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QUALITY CONTROL REPORT SMI14000603.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
REP 1428972	QC			0.2	476.9	1.5	21	0.1	24.0	18.6	537	4.94	3	0.8	1.3	524	<0.1	<0.1	<0.1	348	9.92
REP 1428723	QC		1.104																		
REP 1428888	QC		0.372																		
Core Reject Duplicates																					
1428735	Drill Core	3.46	0.528	3.2	4057.4	4.1	72	1.4	57.0	174.3	1091	8.20	11	1.1	1.4	312	0.4	0.5	0.2	266	5.31
DUP 1428735	QC		0.499	2.9	4250.1	4.1	76	1.6	57.0	181.6	1135	8.43	11	1.1	1.4	324	0.5	0.4	0.2	281	5.55
1428773	Drill Core	4.49	0.034	2.1	589.9	1.3	23	<0.1	25.7	69.1	848	14.65	3	1.0	1.3	414	<0.1	1.6	<0.1	344	5.47
DUP 1428773	QC	<0.01	0.028	3.0	581.0	1.2	20	<0.1	27.7	67.7	861	13.70	1	1.0	1.2	393	<0.1	1.4	<0.1	337	5.15
1428811	Drill Core	6.01	0.026	2.9	434.5	1.6	46	<0.1	89.9	55.9	1369	8.64	2	0.7	1.3	469	<0.1	0.6	<0.1	305	6.87
DUP 1428811	QC	<0.01	0.027	3.1	430.6	1.1	45	<0.1	91.4	54.9	1393	8.75	2	0.7	1.3	478	<0.1	0.6	<0.1	303	6.88
1428849	Drill Core	2.49	0.134	5.3	1709.7	0.6	16	<0.1	36.9	87.8	518	9.25	2	0.8	1.0	340	<0.1	0.2	<0.1	208	5.65
DUP 1428849	QC		0.146	5.7	1673.3	0.7	14	0.1	34.8	84.2	516	9.28	3	0.8	1.0	344	<0.1	0.2	<0.1	207	5.72
1428887	Drill Core	4.44	0.065	0.5	1027.5	2.1	51	0.2	71.6	56.4	939	8.33	2	0.7	0.9	406	<0.1	0.2	<0.1	399	6.96
DUP 1428887	QC		0.078	0.7	1085.3	2.0	52	0.2	66.9	61.0	983	8.66	1	0.6	0.9	420	<0.1	0.2	<0.1	415	6.81
1428925	Drill Core	5.61	0.069	0.2	687.0	1.1	19	<0.1	17.3	27.9	463	7.16	2	1.1	1.4	541	<0.1	0.1	<0.1	298	5.75
DUP 1428925	QC		0.051	0.1	701.0	1.2	18	<0.1	17.3	27.7	478	7.29	2	1.1	1.4	548	<0.1	0.2	<0.1	301	5.82
1428963	Drill Core	4.92	0.024	0.1	346.2	0.9	29	<0.1	35.2	28.3	662	8.72	<1	0.6	0.8	420	<0.1	<0.1	<0.1	401	6.98
DUP 1428963	QC		0.026	0.2	347.6	1.0	27	<0.1	37.1	27.5	681	8.86	2	0.6	0.7	420	<0.1	<0.1	<0.1	403	7.03
Reference Materials																					
STD CCU-1C	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard			2.3	35.0	26.9	42	<0.1	47.3	8.3	500	6.69	10	2.9	15.3	48	<0.1	0.6	0.3	169	0.28
STD OREAS25A-4A	Standard			2.8	37.0	26.1	44	<0.1	48.1	8.1	500	6.46	11	2.9	13.6	43	<0.1	0.7	0.4	176	0.23
STD OREAS25A-4A	Standard			2.7	38.0	28.1	51	<0.1	51.7	8.3	550	7.21	11	3.1	16.9	59	<0.1	0.8	0.4	174	0.34
STD OREAS25A-4A	Standard			2.9	40.8	29.5	51	<0.1	51.4	9.2	542	7.10	12	3.1	16.4	50	<0.1	0.7	0.4	184	0.28
STD OREAS25A-4A	Standard			2.6	38.0	26.1	39	<0.1	47.7	8.4	485	6.93	10	2.8	15.9	47	<0.1	0.6	0.3	169	0.30
STD OREAS25A-4A	Standard			2.3	36.9	27.8	42	<0.1	47.5	7.9	495	6.55	10	2.8	14.7	48	<0.1	0.6	0.4	162	0.28
STD OREAS25A-4A	Standard			2.5	36.1	24.4	38	<0.1	43.6	7.7	475	6.45	7	2.8	13.1	42	<0.1	0.5	0.3	159	0.26
STD OREAS25A-4A	Standard			2.2	38.0	25.4	39	<0.1	46.8	8.4	483	6.35	8	2.8	13.9	41	<0.1	0.7	0.3	161	0.27

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
REP 1428972	QC	0.194	6.8	34	3.44	116	0.513	8.94	2.406	0.34	<0.1	24.0	18	0.6	15.1	1.4	<0.1	1	31	12.5	<0.1
REP 1428723	QC																				
REP 1428888	QC																				
Core Reject Duplicates																					
1428735	Drill Core	0.074	12.3	91	3.12	252	0.468	7.98	2.918	0.71	0.4	21.4	20	1.4	13.2	0.7	<0.1	<1	30	10.9	2.3
DUP 1428735	QC	0.074	12.7	87	3.28	261	0.482	8.29	3.009	0.73	0.4	22.5	20	1.2	13.8	0.7	<0.1	<1	31	11.6	2.3
1428773	Drill Core	0.115	4.3	80	3.28	490	0.401	7.00	1.815	1.82	0.2	27.5	12	0.8	11.7	1.1	<0.1	<1	34	8.8	0.6
DUP 1428773	QC	0.106	4.1	78	3.20	469	0.375	6.54	1.744	1.73	0.2	26.8	12	0.9	11.2	0.9	<0.1	<1	33	8.1	0.6
1428811	Drill Core	0.096	6.6	234	5.15	329	0.466	8.26	2.966	0.67	0.5	19.6	13	0.7	12.8	1.3	<0.1	<1	37	16.7	0.2
DUP 1428811	QC	0.096	7.2	249	5.19	348	0.486	8.23	2.995	0.74	0.5	18.8	15	0.7	13.1	1.3	<0.1	<1	36	17.3	0.2
1428849	Drill Core	0.079	3.1	130	3.32	436	0.412	7.44	2.899	0.67	<0.1	20.3	10	1.0	11.9	1.1	<0.1	<1	29	8.4	0.6
DUP 1428849	QC	0.084	2.9	129	3.31	446	0.425	7.50	2.928	0.65	<0.1	21.3	10	1.3	12.1	0.9	<0.1	<1	29	9.1	0.6
1428887	Drill Core	0.103	5.2	127	4.07	211	0.467	8.45	2.955	0.71	0.1	25.3	13	0.7	11.9	0.7	<0.1	<1	39	8.8	0.4
DUP 1428887	QC	0.099	5.5	137	4.37	217	0.487	8.67	3.037	0.74	<0.1	26.7	13	0.7	12.5	0.8	<0.1	<1	41	9.2	0.4
1428925	Drill Core	0.134	5.7	17	2.69	234	0.420	8.10	3.377	0.34	<0.1	35.7	14	0.8	12.7	1.7	<0.1	<1	25	5.7	0.2
DUP 1428925	QC	0.130	5.9	18	2.75	240	0.409	8.24	3.362	0.34	<0.1	35.6	14	0.7	13.0	1.6	<0.1	<1	26	6.1	0.2
1428963	Drill Core	0.171	5.5	30	3.13	162	0.724	8.50	2.723	0.42	<0.1	23.1	16	0.9	24.8	1.5	<0.1	<1	42	8.1	<0.1
DUP 1428963	QC	0.174	5.7	30	3.16	164	0.734	8.57	2.765	0.45	0.1	23.9	15	0.8	25.3	1.5	<0.1	<1	42	9.1	<0.1
Reference Materials																					
STD CCU-1C	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard	0.052	20.9	125	0.34	158	0.958	8.90	0.140	0.50	1.9	155.8	47	4.3	9.9	20.9	1.5	1	13	38.5	<0.1
STD OREAS25A-4A	Standard	0.045	16.2	120	0.32	147	1.036	8.05	0.130	0.49	2.0	150.8	38	4.2	8.6	20.9	1.5	<1	12	37.3	<0.1
STD OREAS25A-4A	Standard	0.056	25.2	135	0.35	170	0.909	9.20	0.142	0.57	2.0	167.3	53	4.4	11.8	21.1	1.4	<1	14	40.3	<0.1
STD OREAS25A-4A	Standard	0.052	22.6	132	0.34	172	1.095	9.37	0.144	0.50	2.2	176.5	50	4.8	11.8	24.0	1.6	<1	14	40.4	<0.1
STD OREAS25A-4A	Standard	0.052	25.7	119	0.35	148	0.941	9.53	0.119	0.48	1.9	140.4	50	4.0	10.4	19.1	1.4	<1	14	38.4	<0.1
STD OREAS25A-4A	Standard	0.052	19.8	117	0.33	151	0.882	8.74	0.144	0.50	1.8	151.3	44	3.9	9.8	19.6	1.4	1	13	41.4	<0.1
STD OREAS25A-4A	Standard	0.051	16.9	118	0.32	142	0.909	7.92	0.130	0.46	1.7	142.3	41	3.7	9.0	18.5	1.3	1	12	38.5	<0.1
STD OREAS25A-4A	Standard	0.052	17.6	126	0.34	136	0.911	7.94	0.137	0.44	1.8	149.4	37	3.7	9.5	19.8	1.3	1	12	37.6	<0.1

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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
REP 1428972	QC	7.8	0.9	<0.05	<0.005	<1	<0.5	<0.5	
REP 1428723	QC								
REP 1428888	QC								
Core Reject Duplicates									
1428735	Drill Core	23.5	0.9	0.11	0.029	2	0.5	<0.5	
DUP 1428735	QC	23.8	0.8	0.13	0.026	3	<0.5	<0.5	
1428773	Drill Core	38.3	0.8	0.07	0.046	<1	<0.5	<0.5	
DUP 1428773	QC	36.8	0.9	<0.05	0.054	<1	0.6	<0.5	
1428811	Drill Core	23.0	0.6	<0.05	0.031	<1	<0.5	<0.5	
DUP 1428811	QC	23.4	0.7	0.08	0.031	<1	1.5	<0.5	
1428849	Drill Core	15.8	0.8	<0.05	0.257	2	<0.5	<0.5	
DUP 1428849	QC	15.7	0.8	<0.05	0.188	1	<0.5	<0.5	
1428887	Drill Core	21.2	0.8	0.06	0.005	<1	<0.5	<0.5	
DUP 1428887	QC	20.5	0.9	<0.05	<0.005	<1	1.1	<0.5	
1428925	Drill Core	8.5	1.3	<0.05	<0.005	<1	0.6	<0.5	
DUP 1428925	QC	8.1	1.2	<0.05	<0.005	<1	0.8	<0.5	
1428963	Drill Core	11.0	1.0	0.10	<0.005	<1	<0.5	<0.5	
DUP 1428963	QC	11.4	1.1	0.05	<0.005	<1	<0.5	<0.5	
Reference Materials									
STD CCU-1C	Standard								25.40
STD OREAS134B	Standard								0.13
STD OREAS25A-4A	Standard	58.2	4.4	0.11	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	45.5	4.5	<0.05	<0.005	1	<0.5	<0.5	
STD OREAS25A-4A	Standard	66.3	4.5	0.12	<0.005	3	<0.5	<0.5	
STD OREAS25A-4A	Standard	65.3	4.7	0.07	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	58.3	3.9	<0.05	<0.005	3	<0.5	<0.5	
STD OREAS25A-4A	Standard	58.9	3.9	0.07	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	50.8	3.8	<0.05	<0.005	<1	<0.5	<0.5	
STD OREAS25A-4A	Standard	47.1	3.7	0.13	<0.005	1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS25A-4A	Standard			2.5	36.7	28.5	45	<0.1	49.7	8.1	477	6.73	10	3.2	15.8	50	<0.1	0.7	0.4	162	0.27
STD OREAS45E	Standard			2.5	800.5	18.9	46	0.3	492.8	62.3	566	25.75	18	2.5	12.8	18	<0.1	1.1	0.3	333	0.07
STD OREAS45E	Standard			2.4	821.7	18.9	47	0.3	483.6	59.1	600	25.09	19	2.4	11.6	17	<0.1	1.0	0.3	334	0.08
STD OREAS45E	Standard			2.0	800.5	18.3	47	0.4	476.3	59.8	526	25.60	18	2.3	10.5	17	<0.1	1.0	<0.1	334	0.08
STD OREAS45E	Standard			2.3	815.0	20.5	53	0.3	484.6	60.8	591	26.06	17	2.7	13.6	18	<0.1	1.1	0.3	358	0.10
STD OREAS45E	Standard			2.7	839.6	19.9	50	0.3	505.5	65.1	586	26.82	19	2.6	11.4	17	<0.1	1.1	0.3	343	0.07
STD OREAS45E	Standard			2.2	809.8	18.9	48	0.3	494.0	64.9	542	26.93	14	2.5	12.5	16	<0.1	0.8	0.3	328	0.07
STD OREAS45E	Standard			2.3	815.8	19.2	44	0.3	477.4	60.9	562	24.55	17	2.6	13.0	18	<0.1	1.0	0.3	328	0.08
STD OREAS45E	Standard			2.8	768.6	17.7	41	0.3	487.3	63.8	550	27.32	15	2.5	12.6	16	0.1	0.8	0.3	329	0.08
STD OREAS45E	Standard			2.9	760.8	20.0	47	0.3	499.3	66.4	594	27.51	16	2.6	11.5	18	<0.1	1.0	0.3	341	0.08
STD OREAS45E	Standard			2.6	811.0	22.3	51	0.4	493.6	62.4	586	26.66	19	2.9	12.6	20	<0.1	1.3	0.3	328	0.08
STD OXD108	Standard		0.436																		
STD OXD108	Standard		0.409																		
STD OXD108	Standard		0.406																		
STD OXD108	Standard		0.424																		
STD OXD108	Standard		0.428																		
STD OXD108	Standard		0.429																		
STD OXI121	Standard		1.860																		
STD OXI121	Standard		1.810																		
STD OXI121	Standard		1.788																		
STD OXI121	Standard		1.816																		
STD OXI121	Standard		1.822																		
STD OXI121	Standard		1.813																		
STD OXN117	Standard		7.724																		
STD OXN117	Standard		7.656																		
STD OXN117	Standard		7.706																		
STD OXN117	Standard		7.969																		
STD OXN117	Standard		7.734																		
STD OXN117	Standard		7.644																		

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QUALITY CONTROL REPORT SMI14000603.1

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OREAS25A-4A	Standard	0.050	20.6	128	0.34	151	0.942	8.38	0.145	0.50	1.9	161.3	43	4.2	10.2	22.2	1.4	1	12	41.6	<0.1
STD OREAS45E	Standard	0.034	10.3	1031	0.17	254	0.527	6.89	0.064	0.33	1.0	99.0	22	1.6	7.6	6.4	0.5	<1	96	7.2	<0.1
STD OREAS45E	Standard	0.035	8.1	1084	0.16	242	0.550	6.91	0.060	0.33	1.0	106.8	19	1.2	6.5	6.2	0.5	<1	94	6.5	<0.1
STD OREAS45E	Standard	0.033	6.3	968	0.14	223	0.555	6.70	0.060	0.31	1.0	95.2	16	1.1	6.4	5.7	0.5	<1	89	6.5	<0.1
STD OREAS45E	Standard	0.035	11.1	996	0.16	254	0.556	7.23	0.058	0.35	1.0	96.4	24	1.4	7.7	6.3	0.5	<1	98	7.0	<0.1
STD OREAS45E	Standard	0.034	7.3	1090	0.16	263	0.561	6.83	0.062	0.35	1.2	105.4	17	1.4	6.8	7.0	0.5	<1	88	6.7	<0.1
STD OREAS45E	Standard	0.035	12.1	1046	0.16	235	0.558	7.23	0.050	0.32	1.0	93.5	23	1.1	8.0	6.6	0.5	<1	98	6.1	<0.1
STD OREAS45E	Standard	0.035	10.8	985	0.16	257	0.526	6.87	0.064	0.35	1.0	95.2	24	1.3	7.7	6.2	0.5	<1	95	7.2	<0.1
STD OREAS45E	Standard	0.033	9.4	1018	0.16	233	0.551	7.01	0.058	0.32	0.9	93.9	19	1.2	7.0	5.9	0.5	<1	94	7.2	<0.1
STD OREAS45E	Standard	0.035	6.7	1034	0.16	248	0.565	6.93	0.062	0.33	0.9	97.0	18	1.2	5.6	6.1	0.5	<1	91	7.9	<0.1
STD OREAS45E	Standard	0.030	13.9	989	0.18	291	0.539	6.99	0.067	0.37	1.1	112.1	23	1.6	9.5	7.1	0.6	<1	95	8.1	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
STD OREAS25A-4A	Standard	58.6	4.3	0.15	<0.005	<1	<0.5	<0.5	
STD OREAS45E	Standard	21.0	3.0	0.09	<0.005	4	<0.5	<0.5	
STD OREAS45E	Standard	17.0	3.0	0.12	0.006	2	<0.5	<0.5	
STD OREAS45E	Standard	19.0	2.6	0.07	<0.005	5	<0.5	<0.5	
STD OREAS45E	Standard	20.8	3.0	0.09	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	19.3	3.1	0.09	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	20.7	2.9	0.12	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	21.7	2.7	0.08	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	19.0	2.8	0.10	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	16.5	3.0	0.10	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	24.8	3.3	0.10	0.007	2	<0.5	<0.5	
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

		WGHT Wgt kg 0.01	FA430 Au ppm 0.005	MA200 Mo ppm 0.1	MA200 Cu ppm 0.1	MA200 Pb ppm 0.1	MA200 Zn ppm 1	MA200 Ag ppm 0.1	MA200 Ni ppm 0.1	MA200 Co ppm 0.2	MA200 Mn ppm 1	MA200 Fe % 0.01	MA200 As ppm 1	MA200 U ppm 0.1	MA200 Th ppm 0.1	MA200 Sr ppm 1	MA200 Cd ppm 0.1	MA200 Sb ppm 0.1	MA200 Bi ppm 0.1	MA200 V ppm 1	MA200 Ca % 0.01
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD CCU-1C Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.8	0.1	<1	<0.1	<0.1	<0.2	1	<0.01	1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	0.3	<0.2	3	<0.01	4	<0.1	<0.1	2	<0.1	<0.1	<0.1	<1	0.02
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	1.4	<0.1	<1	<0.1	0.2	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.5	<0.1	<1	<0.1	0.1	<0.2	1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	0.4	<0.2	1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01
BLK	Blank			<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.2	2	<0.01	2	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01
BLK	Blank			<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.2	1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD CCU-1C Expected																					
STD OREAS134B Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.006	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.2	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	0.010	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	0.001	<0.01	0.008	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.3	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.2	<0.1

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
STD OXD108 Expected									
STD OXN117 Expected									
STD OXI121 Expected									
STD OREAS25A-4A		61	4.53					0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	
STD CCU-1C Expected									25.62
STD OREAS134B Expected									0.1348
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								
BLK	Blank								
BLK	Blank	0.2	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	

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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

		WGHT Wgt kg 0.01	FA430 Au ppm 0.005	MA200 Mo ppm 0.1	MA200 Cu ppm 0.1	MA200 Pb ppm 0.1	MA200 Zn ppm 1	MA200 Ag ppm 0.1	MA200 Ni ppm 0.1	MA200 Co ppm 0.2	MA200 Mn ppm 1	MA200 Fe % 0.01	MA200 As ppm 1	MA200 U ppm 0.1	MA200 Th ppm 0.1	MA200 Sr ppm 1	MA200 Cd ppm 0.1	MA200 Sb ppm 0.1	MA200 Bi ppm 0.1	MA200 V ppm 1	MA200 Ca % 0.01
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank		<0.005	0.6	5.3	3.1	34	<0.1	1.4	4.4	624	2.19	2	1.2	2.8	214	<0.1	<0.1	<0.1	38	1.67
G1-SMI	Prep Blank		<0.005	0.8	5.4	3.0	35	<0.1	1.8	4.5	659	2.28	3	1.2	3.0	226	<0.1	0.1	<0.1	39	1.71

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Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	0.044	12.6	7	0.49	863	0.219	6.77	3.499	1.75	0.3	51.9	25	0.9	16.1	5.7	0.4	1	7	4.3	<0.1
G1-SMI	Prep Blank	0.043	12.8	7	0.50	894	0.219	6.84	3.602	1.80	0.3	53.5	25	0.9	16.6	5.9	0.4	<1	7	4.9	<0.1

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Project: Hat
Report Date: September 20, 2014

QUALITY CONTROL REPORT SMI14000603.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
BLK	Blank								<0.01
Prep Wash									
G1-SMI	Prep Blank	37.1	1.7	<0.05	<0.005	<1	<0.5	<0.5	
G1-SMI	Prep Blank	38.1	1.8	<0.05	<0.005	<1	<0.5	<0.5	

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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: December 22, 2014
Report Date: January 15, 2015
Page: 1 of 6

CERTIFICATE OF ANALYSIS SMI14000934.2

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 140

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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
PRP70-500	135	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	140	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	140	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA370-X	2	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2: MA370-X Cu for Sample 2620055 & 2620097 included.

Invoice To: Terracad Geoscience Services Ltd.
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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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.

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620001	Drill Core	4.13	0.013	0.6	167.2	2.0	129	0.1	16.6	33.3	1561	5.72	<1	0.8	0.8	468	0.1	0.5	<0.1	269	6.04
2620002	Drill Core	3.54	0.012	0.3	113.8	2.3	43	<0.1	16.0	29.0	1048	5.70	<1	0.7	0.8	397	<0.1	0.1	<0.1	246	6.38
2620003	Drill Core	3.01	0.012	1.2	164.7	2.1	62	0.1	21.5	41.2	1226	6.39	1	0.8	0.8	395	<0.1	0.1	<0.1	271	6.19
2620004	Drill Core	4.77	0.046	2.9	635.4	26.5	413	0.9	51.8	223.2	1412	8.79	30	1.3	0.9	357	1.7	0.7	<0.1	234	5.31
2620005	Drill Core	2.16	0.009	2.2	167.8	3.7	46	0.1	24.1	41.1	1146	6.15	2	1.2	0.9	375	<0.1	0.2	<0.1	257	5.96
2620006	Drill Core	4.03	0.009	2.4	147.7	2.3	40	<0.1	17.0	38.1	849	5.28	6	0.8	0.9	524	<0.1	0.2	<0.1	231	5.83
2620007	Drill Core	3.85	0.007	0.6	106.2	2.1	62	<0.1	12.5	32.6	726	4.21	<1	0.5	0.6	529	<0.1	<0.1	<0.1	180	5.40
2620008	Drill Core	2.11	0.008	1.6	29.8	3.9	35	<0.1	23.8	23.4	1980	8.46	3	1.1	0.9	699	<0.1	1.5	<0.1	304	7.71
2620009	Drill Core	2.98	0.011	1.2	151.4	2.9	136	0.1	16.7	31.0	994	4.25	2	0.5	0.6	498	0.3	0.2	<0.1	193	5.53
2620010	Drill Core	2.65	0.009	1.5	155.7	3.4	42	0.1	16.5	35.6	1295	5.89	3	0.9	0.7	343	<0.1	0.2	<0.1	259	6.74
2620011	Drill Core	2.84	0.018	2.2	118.5	1.5	55	<0.1	18.5	28.5	1409	6.26	2	0.7	0.7	326	<0.1	0.2	<0.1	274	6.49
2620012	Drill Core	2.82	0.012	69.3	383.8	24.7	66	0.8	27.8	128.7	1902	8.04	59	3.0	0.4	189	0.5	1.2	<0.1	173	9.83
2620013	Drill Core	3.09	0.014	3.4	598.8	12.8	74	0.6	20.9	84.8	1134	7.78	11	0.9	0.6	381	0.3	0.6	<0.1	294	3.65
2620014	Drill Core	2.80	0.005	1.4	209.8	18.0	122	0.2	19.4	44.0	1278	6.19	3	1.1	0.8	414	0.4	0.3	<0.1	279	5.71
2620015	Drill Core	2.61	0.006	2.4	69.7	1.4	44	<0.1	12.8	39.0	1676	8.52	2	2.0	1.4	310	<0.1	0.3	<0.1	372	6.07
2620016	Drill Core	3.27	0.005	1.2	265.0	2.1	37	0.1	20.3	54.4	901	6.70	3	0.9	0.6	421	<0.1	0.2	<0.1	271	5.12
2620017	Rock Pulp	0.30	0.006	6.0	54.0	6.8	58	0.1	40.8	13.2	779	4.08	6	0.9	2.7	282	0.2	1.1	<0.1	128	2.87
2620018	Drill Core	4.24	0.005	2.2	179.9	3.4	222	0.1	17.9	40.0	1438	6.07	3	1.2	0.8	402	0.4	0.4	<0.1	273	5.35
2620019	Drill Core	3.96	<0.005	14.3	191.6	3.1	220	0.2	16.1	30.6	1877	6.20	1	1.4	0.7	365	0.3	0.4	<0.1	242	5.15
2620020	Drill Core	4.85	<0.005	2.7	142.6	2.7	75	0.1	18.4	38.3	1258	6.31	2	1.0	0.8	403	0.1	0.2	<0.1	295	5.68
2620021	Drill Core	4.25	0.006	2.6	161.9	3.4	54	<0.1	21.5	33.7	986	6.39	3	1.0	1.0	426	0.2	0.2	<0.1	301	6.45
2620022	Drill Core	5.17	0.011	0.6	117.1	1.1	49	<0.1	18.7	28.5	1224	6.69	<1	0.6	0.8	456	<0.1	0.1	<0.1	294	6.46
2620023	Drill Core	4.98	0.014	1.4	222.6	6.2	106	0.2	20.2	74.5	1704	6.82	10	1.0	0.8	407	0.3	0.4	<0.1	287	5.46
2620024	Drill Core	3.59	0.014	15.3	399.9	9.0	89	0.4	32.5	112.5	1778	8.40	8	1.2	0.9	368	0.2	0.3	<0.1	285	4.73
2620025	Rock Pulp	0.09	0.837	343.4	9019.7	128.6	1435	13.4	27.6	67.5	2000	6.12	1039	3.2	1.8	372	9.0	25.4	25.6	80	7.46
2620026	Drill Core	3.23	<0.005	14.4	248.8	4.4	123	0.2	33.7	59.4	2084	9.62	6	1.4	1.0	197	0.2	0.3	<0.1	310	5.80
2620027	Drill Core	2.87	0.006	2.2	127.5	1.6	70	<0.1	21.6	31.6	1178	6.52	2	1.1	1.1	402	<0.1	0.2	<0.1	297	6.48
2620028	Drill Core	5.00	0.008	1.7	404.2	3.3	66	0.2	18.4	32.0	1365	6.33	2	1.0	1.0	466	0.1	0.2	<0.1	285	6.18
2620029	Drill Core	4.94	0.024	1.1	368.2	2.0	63	0.2	18.8	27.7	1208	6.90	1	0.9	1.0	470	0.2	0.2	<0.1	293	6.27
2620030	Drill Core	4.71	0.011	3.0	126.6	2.2	57	0.1	9.5	17.6	875	4.77	1	0.4	0.6	486	<0.1	0.2	<0.1	185	5.69

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620001	Drill Core	0.074	8.6	18	2.68	350	0.490	9.49	3.020	0.93	0.3	20.9	15	0.7	14.3	1.0	<0.1	<1	24	12.9	0.2
2620002	Drill Core	0.066	4.7	16	2.36	358	0.427	9.40	2.814	1.02	0.2	19.5	10	0.7	12.2	0.9	<0.1	<1	21	10.8	0.2
2620003	Drill Core	0.056	5.8	18	2.63	319	0.438	9.31	2.745	0.88	0.3	19.4	11	0.6	12.2	1.0	<0.1	<1	24	13.3	0.6
2620004	Drill Core	0.077	9.6	15	2.26	337	0.440	8.49	2.638	1.08	0.3	19.7	16	1.1	13.2	0.9	<0.1	<1	21	16.9	3.7
2620005	Drill Core	0.072	5.3	29	2.80	244	0.458	9.54	2.870	0.75	0.3	21.9	12	1.0	14.5	1.0	<0.1	<1	26	17.7	0.6
2620006	Drill Core	0.074	4.2	13	2.10	333	0.432	9.96	3.183	0.96	0.4	20.0	10	0.8	11.7	0.9	<0.1	<1	18	17.8	0.6
2620007	Drill Core	0.066	3.5	7	1.50	380	0.342	9.70	3.515	1.15	0.2	19.0	8	0.9	8.3	0.8	<0.1	<1	12	13.7	0.4
2620008	Drill Core	0.081	4.4	121	3.83	54	0.442	7.54	2.376	0.18	0.2	37.8	11	0.8	15.1	1.3	<0.1	<1	40	10.5	0.3
2620009	Drill Core	0.070	3.4	9	1.54	390	0.383	9.38	3.479	1.12	0.2	17.4	8	0.6	9.0	0.9	<0.1	<1	12	13.4	0.5
2620010	Drill Core	0.072	5.3	18	2.31	257	0.461	9.83	3.137	0.84	0.5	19.9	11	0.8	14.7	1.1	<0.1	<1	22	18.5	0.5
2620011	Drill Core	0.080	5.0	21	2.56	287	0.475	9.53	3.015	0.88	0.2	22.3	11	0.5	15.4	1.1	<0.1	<1	26	13.6	0.3
2620012	Drill Core	0.048	11.3	13	3.85	92	0.277	5.72	1.651	0.25	0.4	18.5	15	1.2	10.4	0.6	<0.1	<1	16	5.1	2.7
2620013	Drill Core	0.075	6.7	37	1.94	376	0.487	8.95	3.363	0.93	0.7	21.3	11	0.9	10.0	1.0	<0.1	<1	24	16.0	2.3
2620014	Drill Core	0.071	7.8	18	2.57	312	0.470	9.65	3.129	0.90	0.4	20.4	15	1.0	13.7	0.9	<0.1	<1	24	20.2	0.9
2620015	Drill Core	0.124	8.0	16	3.13	358	0.502	9.00	2.740	0.82	0.3	34.5	16	1.0	15.0	1.2	<0.1	<1	31	24.2	0.4
2620016	Drill Core	0.077	5.6	15	2.45	353	0.469	9.82	3.300	0.96	0.4	22.2	10	0.7	11.0	0.9	<0.1	<1	22	20.2	1.4
2620017	Rock Pulp	0.066	9.2	55	1.32	472	0.409	5.94	2.150	0.84	1.0	34.7	20	1.6	15.0	3.7	0.2	<1	14	14.2	<0.1
2620018	Drill Core	0.074	6.2	19	2.66	322	0.460	9.70	3.416	0.92	0.4	22.7	13	1.0	13.9	1.0	<0.1	<1	24	20.6	0.8
2620019	Drill Core	0.060	12.6	20	2.19	530	0.436	9.53	3.306	0.92	0.6	23.4	18	1.1	13.2	1.1	<0.1	<1	21	21.1	0.7
2620020	Drill Core	0.082	8.2	27	2.77	243	0.448	9.39	3.077	0.74	0.4	25.7	16	1.1	15.5	1.2	<0.1	<1	29	14.6	0.6
2620021	Drill Core	0.098	8.1	24	2.79	282	0.453	9.53	3.027	0.75	0.4	26.8	16	0.8	15.7	1.2	<0.1	<1	28	10.5	0.5
2620022	Drill Core	0.099	5.9	23	2.84	315	0.455	9.39	2.984	0.83	0.2	25.8	13	0.6	15.3	1.1	<0.1	<1	27	12.0	0.1
2620023	Drill Core	0.095	8.6	39	2.54	454	0.447	9.29	3.119	0.97	0.4	25.9	15	0.7	14.4	1.2	<0.1	<1	27	14.1	1.1
2620024	Drill Core	0.089	13.0	26	2.77	533	0.481	8.83	2.960	1.06	0.4	25.9	20	1.1	15.1	1.1	<0.1	<1	28	15.9	1.9
2620025	Rock Pulp	0.076	21.7	37	1.14	163	0.193	5.38	1.276	1.52	14.8	27.0	30	9.1	15.3	2.5	0.1	<1	8	12.7	1.5
2620026	Drill Core	0.081	4.4	181	4.06	133	0.461	7.46	2.520	0.32	0.3	31.6	8	0.9	11.7	1.0	<0.1	<1	38	16.8	0.8
2620027	Drill Core	0.109	6.5	26	2.85	242	0.456	9.39	3.099	0.62	0.4	27.4	14	0.7	16.2	1.1	<0.1	<1	29	18.8	0.4
2620028	Drill Core	0.099	6.8	23	2.78	331	0.447	9.60	3.107	0.83	0.4	25.6	14	0.7	16.6	1.1	<0.1	<1	27	13.5	0.6
2620029	Drill Core	0.085	4.9	22	2.79	278	0.418	9.71	3.152	0.78	0.4	24.3	10	0.6	14.5	0.9	<0.1	<1	27	13.5	0.4
2620030	Drill Core	0.065	2.7	9	1.50	312	0.355	9.60	3.576	0.80	0.2	20.2	6	0.4	7.5	0.8	<0.1	<1	12	14.1	0.3

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
2620001	Drill Core	23.5	0.9	0.11	<0.005	<1	<0.5	<0.5	
2620002	Drill Core	27.8	0.7	0.06	<0.005	<1	<0.5	<0.5	
2620003	Drill Core	24.0	0.8	0.09	<0.005	<1	<0.5	<0.5	
2620004	Drill Core	31.3	0.7	<0.05	0.010	5	0.7	<0.5	
2620005	Drill Core	24.9	0.8	<0.05	0.010	1	<0.5	<0.5	
2620006	Drill Core	18.6	0.8	0.07	0.006	<1	<0.5	<0.5	
2620007	Drill Core	16.5	0.6	0.05	<0.005	<1	0.6	<0.5	
2620008	Drill Core	4.8	1.4	0.06	<0.005	<1	1.4	<0.5	
2620009	Drill Core	15.4	0.6	<0.05	<0.005	1	<0.5	<0.5	
2620010	Drill Core	26.0	0.8	0.12	0.007	<1	<0.5	<0.5	
2620011	Drill Core	28.6	0.8	0.08	<0.005	<1	<0.5	<0.5	
2620012	Drill Core	10.5	0.6	<0.05	0.284	2	2.9	<0.5	
2620013	Drill Core	27.6	0.9	0.09	0.024	2	0.6	<0.5	
2620014	Drill Core	33.8	0.8	0.12	0.013	<1	0.8	<0.5	
2620015	Drill Core	26.3	1.2	0.10	<0.005	<1	0.9	<0.5	
2620016	Drill Core	19.4	0.8	0.05	0.014	<1	<0.5	<0.5	
2620017	Rock Pulp	21.3	1.1	<0.05	<0.005	<1	0.6	<0.5	
2620018	Drill Core	28.0	0.9	0.10	0.034	<1	<0.5	<0.5	
2620019	Drill Core	21.2	0.9	0.07	0.047	<1	<0.5	<0.5	
2620020	Drill Core	19.5	1.0	0.10	0.015	<1	<0.5	<0.5	
2620021	Drill Core	22.0	1.0	0.12	0.016	1	<0.5	<0.5	
2620022	Drill Core	20.0	1.0	0.06	0.008	<1	0.6	<0.5	
2620023	Drill Core	27.8	1.0	0.08	<0.005	<1	0.9	<0.5	
2620024	Drill Core	29.9	1.1	0.08	0.094	2	0.5	<0.5	
2620025	Rock Pulp	33.5	0.8	15.10	0.199	14	3.5	<0.5	
2620026	Drill Core	7.1	1.1	0.17	0.027	<1	0.8	<0.5	
2620027	Drill Core	20.4	0.9	0.15	0.006	<1	<0.5	<0.5	
2620028	Drill Core	22.6	0.9	0.11	<0.005	<1	<0.5	<0.5	
2620029	Drill Core	25.9	1.0	0.06	0.005	<1	0.8	<0.5	
2620030	Drill Core	8.7	0.6	0.05	0.022	<1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620031	Drill Core	5.00	0.014	9.3	167.7	2.4	59	0.1	14.9	24.0	1130	5.79	1	0.8	0.8	474	<0.1	0.1	<0.1	245	6.34
2620032	Drill Core	4.63	0.011	3.6	142.7	2.7	64	0.2	11.0	34.2	1568	4.66	2	0.4	0.7	444	<0.1	0.1	<0.1	183	5.78
2620033	Drill Core	2.22	0.214	19.6	3241.5	10.9	115	2.1	26.8	334.7	2178	11.08	17	0.9	0.5	210	0.4	0.9	<0.1	185	8.07
2620034	Drill Core	2.63	0.100	6.7	1615.3	3.1	55	0.5	27.2	122.7	1612	6.99	4	1.0	0.8	281	<0.1	0.3	0.1	277	5.74
2620035	Drill Core	4.51	0.040	5.2	647.7	3.7	51	0.4	20.4	55.6	1821	6.44	2	1.0	0.8	301	<0.1	0.4	<0.1	284	6.39
2620036	Drill Core	5.26	0.057	7.1	604.3	3.4	51	0.3	19.1	93.0	1776	6.81	3	0.8	0.7	356	<0.1	0.3	<0.1	281	5.51
2620037	Drill Core	3.81	0.038	13.4	432.9	2.8	37	0.2	17.5	126.1	1516	7.83	3	1.1	0.8	347	<0.1	0.5	<0.1	255	5.95
2620038	Drill Core	3.84	0.139	20.6	2030.4	3.1	60	1.1	21.2	149.1	1405	8.27	7	1.4	0.8	396	<0.1	0.2	<0.1	261	5.22
2620039	Drill Core	3.68	0.028	9.9	1151.1	7.3	142	0.9	20.0	192.1	2235	8.37	6	1.2	0.7	373	0.4	0.4	<0.1	228	4.28
2620040	Drill Core	4.20	0.276	9.1	4932.0	19.3	200	3.3	73.1	1070.6	3086	18.49	25	1.1	0.8	191	0.4	1.2	0.6	268	3.21
2620041	Drill Core	5.04	0.047	10.7	1541.3	3.5	109	1.0	24.6	70.5	1798	8.02	5	0.6	0.9	407	0.2	0.4	<0.1	291	5.65
2620042	Drill Core	5.15	0.109	5.4	459.4	2.2	46	0.2	20.9	51.9	2024	7.76	3	0.5	0.8	383	<0.1	0.3	<0.1	295	6.34
2620043	Drill Core	1.55	0.450	1.4	9117.9	47.0	317	7.2	82.6	326.2	2962	12.77	22	3.3	1.8	252	0.8	2.5	0.4	295	3.75
2620044	Drill Core	4.47	0.077	1.0	2147.5	19.9	124	1.4	27.6	60.7	2280	8.55	4	0.6	0.9	338	0.3	0.5	<0.1	302	5.48
2620045	Drill Core	4.51	0.272	5.2	4722.5	6.9	94	3.0	30.3	93.6	2024	9.48	6	0.8	0.8	290	0.2	0.5	0.1	302	4.74
2620046	Drill Core	4.47	0.141	78.5	3251.7	4.1	69	1.7	25.4	78.4	1847	9.39	5	0.7	0.8	355	0.1	0.6	<0.1	324	5.24
2620047	Drill Core	4.08	0.065	6.5	2671.6	5.1	158	1.5	25.8	76.8	2206	8.51	7	1.2	1.1	305	0.5	0.4	<0.1	294	6.40
2620048	Drill Core	3.57	0.019	5.0	1295.7	13.6	85	0.7	25.4	109.3	2379	9.73	9	1.2	0.8	332	0.2	1.4	<0.1	300	5.44
2620049	Drill Core	1.56	0.106	64.7	1960.8	8.6	96	1.1	22.3	118.2	2252	9.73	9	1.2	0.9	211	<0.1	0.8	<0.1	313	6.31
2620050	Drill Core	1.85	0.207	184.7	2663.4	4.6	128	1.6	18.9	80.0	2118	9.25	7	1.2	0.9	212	0.3	0.8	0.1	323	6.30
2620051	Drill Core	1.75	0.567	33.9	6029.4	4.9	145	3.5	22.0	87.5	2579	9.83	8	1.2	0.9	200	0.4	0.8	0.2	279	5.61
2620052	Drill Core	2.27	0.046	40.7	1511.4	6.3	125	0.9	25.1	130.4	2033	9.47	13	1.1	0.8	345	0.3	1.0	0.1	251	4.82
2620053	Drill Core	2.65	0.013	3.1	589.2	5.0	94	0.4	19.7	58.7	1541	7.12	5	0.8	0.6	387	0.2	0.4	<0.1	217	4.68
2620054	Drill Core	2.70	1.453	89.5	6268.7	3.0	226	3.3	28.2	107.9	1812	9.92	11	1.1	0.8	327	0.5	0.8	0.1	291	5.73
2620055	Drill Core	2.56	0.479	281.8	>10000	26.4	572	15.2	94.4	399.1	2105	17.37	50	0.7	0.4	374	1.6	2.8	0.4	319	5.98
2620056	Drill Core	2.65	0.021	29.7	2024.8	2.8	84	1.0	12.4	55.3	1893	9.21	7	1.4	1.5	157	0.2	0.4	<0.1	231	4.37
2620057	Drill Core	2.66	0.061	7.1	6800.3	9.8	128	3.7	20.1	176.8	2000	13.54	21	1.2	0.9	255	0.3	1.6	0.2	286	8.20
2620058	Drill Core	2.42	0.008	2.3	2720.7	11.1	225	1.4	12.7	79.7	1955	8.64	10	1.3	1.2	219	0.4	0.3	<0.1	274	4.53
2620059	Drill Core	4.32	0.023	1.1	2616.0	4.3	118	1.3	18.5	93.9	1585	8.68	11	1.2	1.1	222	0.3	0.6	<0.1	314	5.96
2620060	Drill Core	3.34	0.037	29.3	4617.4	6.8	263	2.5	32.6	192.6	1790	11.14	17	1.3	1.0	217	0.7	1.1	0.2	303	6.97

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Bureau Veritas Commodities Canada Ltd.

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620031	Drill Core		0.071	4.8	13	2.29	352	0.458	10.01	3.174	0.91	0.3	23.3	10	0.6	11.3	0.8	<0.1	<1	20	11.3	0.3
2620032	Drill Core		0.072	5.6	10	1.58	410	0.376	9.78	3.411	0.97	0.4	20.3	10	0.5	9.5	0.8	<0.1	<1	13	13.7	0.4
2620033	Drill Core		0.050	14.0	12	3.79	78	0.285	5.29	0.565	1.17	0.2	15.8	18	0.8	9.0	0.5	<0.1	<1	15	6.2	3.9
2620034	Drill Core		0.084	18.8	23	2.53	1086	0.454	9.02	2.653	1.36	0.3	23.3	26	1.1	14.7	1.1	0.1	<1	26	14.4	1.2
2620035	Drill Core		0.086	20.9	22	2.69	254	0.456	9.11	2.967	0.70	0.4	22.9	28	1.0	15.6	1.1	<0.1	<1	28	12.5	0.6
2620036	Drill Core		0.077	18.5	21	2.64	494	0.434	9.16	2.961	0.86	0.3	22.3	25	0.9	13.0	1.0	<0.1	<1	27	14.2	1.2
2620037	Drill Core		0.081	12.9	20	2.56	208	0.447	8.95	2.800	0.61	0.5	22.9	20	1.0	13.7	1.0	<0.1	<1	25	11.8	1.9
2620038	Drill Core		0.087	34.6	21	2.53	454	0.459	8.86	2.934	0.99	0.6	24.0	42	1.2	13.6	1.0	<0.1	<1	25	10.5	2.4
2620039	Drill Core		0.086	26.8	21	2.25	455	0.452	8.55	2.680	1.64	0.6	23.9	32	1.0	13.0	1.0	<0.1	<1	26	13.7	1.3
2620040	Drill Core		0.095	5.8	25	2.61	30	0.387	7.01	1.634	1.41	0.6	23.9	12	1.2	9.0	1.0	<0.1	<1	25	12.4	7.6
2620041	Drill Core		0.098	5.9	23	2.90	528	0.497	9.24	2.902	1.08	0.3	23.5	14	0.7	13.9	1.1	<0.1	<1	28	13.5	0.4
2620042	Drill Core		0.093	5.7	23	2.87	679	0.483	9.58	2.962	1.10	0.5	22.6	13	0.6	13.5	1.1	<0.1	<1	28	13.6	0.3
2620043	Drill Core		0.134	9.1	7	2.53	351	0.441	8.22	3.192	0.80	0.7	38.4	21	1.9	12.3	1.4	<0.1	<1	25	15.2	3.7
2620044	Drill Core		0.078	5.1	27	2.96	569	0.474	9.08	2.997	0.98	0.5	23.3	12	0.7	12.5	1.0	<0.1	<1	29	17.3	0.4
2620045	Drill Core		0.087	5.2	29	2.76	548	0.460	8.65	3.126	0.76	0.5	23.6	12	1.2	12.2	1.1	<0.1	<1	27	19.4	1.2
2620046	Drill Core		0.084	5.7	29	2.72	764	0.492	9.14	2.852	1.29	0.6	22.0	13	1.1	11.8	1.1	<0.1	<1	28	15.2	0.9
2620047	Drill Core		0.093	5.6	21	2.63	754	0.437	8.75	3.095	1.02	0.2	25.3	14	1.0	12.2	1.1	<0.1	<1	27	13.8	0.8
2620048	Drill Core		0.088	8.1	26	2.96	954	0.498	8.85	2.242	1.81	0.4	24.0	18	1.5	14.0	1.2	<0.1	<1	30	17.9	0.7
2620049	Drill Core		0.083	11.7	25	2.74	863	0.483	8.50	1.357	2.44	0.3	22.3	24	1.5	13.6	1.0	<0.1	<1	24	17.5	1.3
2620050	Drill Core		0.086	10.9	28	2.74	1067	0.452	8.59	1.310	2.17	0.4	21.7	22	1.6	13.0	0.9	<0.1	<1	25	16.6	0.8
2620051	Drill Core		0.062	5.8	31	2.73	600	0.466	8.00	0.776	2.83	0.3	20.6	17	1.7	14.3	0.9	<0.1	1	26	13.9	1.2
2620052	Drill Core		0.071	4.4	22	2.28	190	0.442	7.89	1.230	3.38	0.4	20.9	14	1.5	12.2	0.8	<0.1	<1	23	16.1	1.6
2620053	Drill Core		0.064	4.2	51	2.76	709	0.390	8.88	3.416	1.58	0.2	22.6	12	1.2	14.0	0.9	<0.1	<1	27	12.1	0.5
2620054	Drill Core		0.116	4.7	35	2.90	644	0.458	8.11	1.592	2.56	0.3	22.7	13	1.5	12.5	0.8	<0.1	<1	28	9.9	1.6
2620055	Drill Core		0.142	2.5	33	2.33	67	0.273	7.50	0.206	1.21	0.4	15.0	6	2.3	5.5	0.3	<0.1	<1	19	12.9	6.3
2620056	Drill Core		0.117	4.4	89	3.13	63	0.383	7.59	3.536	0.20	0.3	56.3	15	1.4	14.6	1.7	<0.1	<1	26	10.0	0.4
2620057	Drill Core		0.113	4.5	72	3.68	181	0.413	6.23	0.945	0.37	1.5	27.9	15	1.9	13.4	1.2	<0.1	<1	29	8.8	2.8
2620058	Drill Core		0.092	3.6	95	3.43	1183	0.385	7.30	1.800	2.23	0.3	35.8	13	1.4	12.0	1.1	<0.1	<1	28	12.1	0.6
2620059	Drill Core		0.070	5.2	79	3.40	955	0.531	6.71	1.247	2.48	0.4	26.7	17	2.2	17.2	1.3	<0.1	<1	40	10.7	1.1
2620060	Drill Core		0.058	5.6	92	2.84	110	0.458	6.59	0.483	2.42	0.2	21.8	18	2.0	14.8	1.1	<0.1	<1	34	13.3	3.4

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
2620031	Drill Core	20.0	0.9	0.06	0.137	<1	0.6	<0.5	
2620032	Drill Core	19.5	0.8	0.06	0.007	<1	0.7	<0.5	
2620033	Drill Core	29.3	0.5	0.10	0.047	2	1.3	<0.5	
2620034	Drill Core	34.2	0.9	0.16	0.033	1	0.8	<0.5	
2620035	Drill Core	20.3	0.9	0.08	0.015	<1	1.3	<0.5	
2620036	Drill Core	20.7	0.8	0.12	0.017	<1	0.7	<0.5	
2620037	Drill Core	14.5	0.9	0.11	0.021	1	0.7	<0.5	
2620038	Drill Core	24.5	0.9	0.13	0.130	1	0.7	<0.5	
2620039	Drill Core	34.0	1.1	0.07	0.043	1	<0.5	<0.5	
2620040	Drill Core	20.9	0.9	0.19	0.079	6	0.6	<0.5	
2620041	Drill Core	24.4	0.9	0.09	0.049	<1	1.1	<0.5	
2620042	Drill Core	25.5	0.8	0.06	0.021	<1	0.9	<0.5	
2620043	Drill Core	11.9	1.3	0.22	0.017	6	<0.5	<0.5	
2620044	Drill Core	19.9	0.9	0.14	0.005	1	0.7	<0.5	
2620045	Drill Core	16.2	0.9	0.15	0.024	1	<0.5	<0.5	
2620046	Drill Core	25.5	0.8	0.15	0.450	1	0.5	<0.5	
2620047	Drill Core	20.7	0.9	0.10	0.060	<1	0.6	<0.5	
2620048	Drill Core	32.7	0.8	0.14	0.039	1	<0.5	<0.5	
2620049	Drill Core	41.8	0.7	0.18	0.605	<1	0.8	<0.5	
2620050	Drill Core	36.7	0.8	0.15	1.453	<1	<0.5	<0.5	
2620051	Drill Core	49.1	0.8	0.25	0.272	<1	1.2	<0.5	
2620052	Drill Core	62.7	0.7	0.12	0.459	<1	<0.5	<0.5	
2620053	Drill Core	33.4	0.9	0.11	0.036	<1	<0.5	<0.5	
2620054	Drill Core	46.4	0.8	0.24	0.684	<1	0.7	<0.5	
2620055	Drill Core	24.4	0.6	0.82	2.214	9	0.7	<0.5	2.888
2620056	Drill Core	3.5	1.7	0.08	0.248	<1	<0.5	<0.5	
2620057	Drill Core	6.8	1.0	0.28	0.066	1	1.0	<0.5	
2620058	Drill Core	44.6	1.2	0.16	0.023	<1	0.5	<0.5	
2620059	Drill Core	50.3	1.0	0.17	0.010	<1	1.0	<0.5	
2620060	Drill Core	44.9	1.0	0.35	0.325	2	0.9	<0.5	

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620061	Drill Core	2.57	0.010	5.8	802.9	2.2	138	0.5	17.1	60.2	1835	8.33	6	2.3	1.2	168	0.3	0.3	<0.1	277	5.61
2620062	Drill Core	2.97	0.023	0.7	1755.7	7.5	172	1.2	37.3	142.2	1729	10.76	14	1.5	0.9	320	0.5	0.6	0.1	292	4.52
2620063	Drill Core	3.22	0.107	3.0	3260.8	3.4	160	2.1	32.4	192.4	1197	11.47	18	1.2	0.9	315	0.4	0.5	<0.1	302	4.75
2620064	Drill Core	2.89	0.054	4.0	1952.3	3.6	93	0.9	36.3	187.0	1239	10.09	9	1.4	0.9	422	0.2	1.1	<0.1	271	4.79
2620065	Drill Core	2.22	0.050	0.2	1511.8	2.4	209	0.9	15.5	72.0	1209	9.38	6	2.6	1.1	295	0.4	0.6	<0.1	305	4.77
2620066	Drill Core	3.93	0.048	2.8	1407.1	47.0	271	0.8	35.6	150.7	1475	9.32	11	1.2	1.0	280	0.8	0.4	<0.1	276	4.56
2620067	Drill Core	2.84	0.032	2.2	2928.0	17.6	401	1.7	39.0	117.5	2171	9.56	20	1.7	1.0	298	1.1	1.0	<0.1	292	5.42
2620068	Drill Core	3.54	0.019	2.2	3085.0	9.8	289	1.7	70.0	280.6	1902	13.21	20	1.3	0.7	287	0.7	1.3	0.2	287	4.76
2620069	Drill Core	2.13	0.020	0.3	897.3	1.5	71	0.4	17.8	49.2	1845	9.68	5	2.3	1.2	138	<0.1	0.3	0.1	290	3.64
2620070	Drill Core	3.28	0.031	1.0	5486.6	11.9	415	3.5	48.9	194.4	2155	10.91	20	1.1	1.0	265	1.4	0.5	0.1	279	3.89
2620071	Drill Core	3.50	0.031	2.0	2273.8	4.1	145	1.2	47.3	164.5	1909	10.47	11	1.0	0.8	280	0.6	1.0	0.2	291	5.43
2620072	Drill Core	2.52	0.080	2.1	1368.1	3.1	340	0.9	37.8	120.1	1687	9.80	12	1.2	0.8	255	1.1	0.8	0.2	283	5.31
2620073	Drill Core	2.60	0.012	1.2	199.5	2.2	49	0.2	18.0	56.1	1802	10.54	4	2.4	1.0	145	<0.1	0.5	<0.1	318	3.87
2620074	Drill Core	3.53	0.081	95.5	1581.9	9.3	47	0.8	40.2	158.3	1103	13.63	12	1.1	0.8	161	<0.1	0.4	0.1	279	5.31
2620075	Rock Pulp	0.30	0.568	21.7	3687.8	121.4	938	4.2	28.4	12.7	982	5.34	26	0.6	3.6	144	4.7	1.8	1.2	74	1.22
2620076	Drill Core	2.58	0.497	80.3	8085.0	7.0	73	3.2	45.7	294.1	948	18.88	9	1.2	0.7	215	0.2	0.8	0.3	286	4.31
2620077	Drill Core	4.29	0.060	10.3	925.8	2.9	68	0.4	32.4	104.4	1314	10.30	3	0.9	0.8	300	<0.1	0.3	<0.1	347	5.43
2620078	Drill Core	2.86	0.019	2.3	196.0	1.2	39	0.1	30.6	58.8	1156	9.32	2	0.7	0.7	372	<0.1	0.2	<0.1	352	5.81
2620079	Drill Core	4.31	0.028	8.5	359.2	3.2	53	0.1	31.6	90.5	1347	10.27	4	0.9	0.8	260	<0.1	0.3	<0.1	339	5.79
2620080	Drill Core	4.87	0.021	5.1	423.7	2.6	57	0.2	34.6	87.2	1570	9.85	5	0.9	0.8	315	<0.1	0.5	<0.1	336	5.71
2620081	Drill Core	4.80	0.034	3.8	988.9	4.7	134	0.5	27.2	83.3	2240	10.48	6	1.2	0.9	487	0.6	2.1	<0.1	346	6.71
2620082	Drill Core	4.38	0.041	1.4	1460.6	14.2	163	0.6	39.2	128.8	2025	10.82	9	1.1	0.8	224	0.8	0.6	0.2	339	5.12
2620083	Drill Core	4.15	0.049	1.9	2746.6	15.3	212	1.4	26.4	118.3	1882	9.63	11	1.3	0.9	315	0.8	1.1	<0.1	302	6.33
2620084	Drill Core	3.94	0.082	13.3	2181.4	9.0	161	1.1	31.6	135.8	2151	8.89	15	0.7	0.7	273	0.8	1.4	<0.1	248	8.50
2620085	Drill Core	4.73	0.021	6.5	779.8	3.5	62	0.4	29.2	106.6	1749	8.98	9	0.6	0.7	733	<0.1	4.1	<0.1	308	6.51
2620086	Drill Core	3.95	0.023	7.9	869.7	3.9	55	0.2	40.8	141.9	1809	10.44	12	1.4	1.1	342	0.1	1.4	0.2	309	5.56
2620087	Drill Core	3.93	0.015	2.4	615.0	3.1	45	0.1	30.4	76.1	1874	10.60	10	1.0	1.0	316	<0.1	1.4	<0.1	367	4.70
2620088	Drill Core	5.14	0.008	1.2	524.4	1.3	48	0.1	27.5	53.5	1410	9.50	3	0.9	0.9	325	<0.1	0.5	<0.1	368	5.41
2620089	Drill Core	3.99	0.010	1.0	266.1	2.1	43	<0.1	30.1	75.1	1571	8.75	5	0.8	0.8	429	<0.1	1.5	<0.1	340	6.12
2620090	Drill Core	3.24	0.044	25.7	822.1	1.7	64	0.3	40.3	92.9	1532	8.57	2	0.7	0.8	390	<0.1	0.8	<0.1	314	5.29

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620061	Drill Core	0.102	5.0	66	3.11	48	0.414	7.23	3.595	0.13	0.3	42.8	17	1.7	14.6	1.4	<0.1	<1	34	9.0	0.4
2620062	Drill Core	0.093	6.6	77	3.00	603	0.445	7.85	1.707	2.48	0.3	30.1	18	1.6	14.0	1.1	<0.1	<1	28	17.3	1.6
2620063	Drill Core	0.119	5.5	27	2.90	543	0.444	7.73	2.535	1.47	0.3	27.2	18	1.6	12.0	1.1	<0.1	<1	25	18.2	1.8
2620064	Drill Core	0.091	6.2	33	2.36	618	0.457	8.37	2.428	1.69	0.3	26.6	18	1.3	13.2	1.1	<0.1	<1	24	19.1	1.7
2620065	Drill Core	0.101	6.2	59	3.17	157	0.429	7.73	3.569	0.41	0.3	43.2	20	2.0	13.6	1.4	<0.1	<1	33	12.9	0.8
2620066	Drill Core	0.107	5.0	27	2.64	728	0.451	8.23	1.769	2.79	0.3	27.7	16	1.2	13.1	1.2	<0.1	<1	25	17.4	1.5
2620067	Drill Core	0.093	4.6	52	2.93	662	0.407	7.90	0.757	4.05	0.3	35.1	16	1.6	13.4	1.2	<0.1	<1	29	14.5	1.2
2620068	Drill Core	0.167	3.5	29	3.03	102	0.316	7.39	0.452	3.40	0.2	21.9	12	1.4	10.1	0.8	<0.1	<1	31	19.5	3.2
2620069	Drill Core	0.110	4.8	74	3.57	32	0.415	7.59	3.936	0.10	0.2	42.4	17	1.5	13.2	1.4	0.1	<1	36	9.9	0.5
2620070	Drill Core	0.093	3.9	26	2.91	152	0.425	7.89	1.427	3.52	0.7	20.8	16	1.5	12.1	1.0	<0.1	<1	25	25.5	2.0
2620071	Drill Core	0.091	6.5	25	2.96	104	0.421	7.65	0.962	3.42	0.3	21.7	17	1.4	11.7	1.1	<0.1	<1	25	16.9	2.7
2620072	Drill Core	0.082	6.8	31	2.68	90	0.429	7.68	1.602	2.50	0.3	23.1	18	1.4	12.8	1.1	<0.1	<1	26	14.9	2.7
2620073	Drill Core	0.096	4.5	62	3.53	46	0.423	7.68	3.739	0.10	0.2	39.6	16	1.6	13.2	1.3	<0.1	<1	36	9.2	0.6
2620074	Drill Core	0.080	3.3	142	3.30	417	0.391	6.94	1.968	1.13	0.5	22.6	11	1.6	11.9	0.9	<0.1	<1	27	20.6	2.2
2620075	Rock Pulp	0.071	12.0	44	0.79	67	0.153	7.00	0.586	2.64	3.0	4.0	27	1.8	7.7	3.1	0.2	<1	8	27.6	3.3
2620076	Drill Core	0.075	3.3	50	2.55	66	0.427	6.59	1.767	1.01	0.9	24.5	11	1.8	11.7	1.1	<0.1	<1	23	23.1	3.7
2620077	Drill Core	0.083	6.3	99	3.61	240	0.471	7.85	2.729	0.70	0.4	29.1	15	1.6	12.2	1.0	<0.1	<1	37	11.4	1.1
2620078	Drill Core	0.078	4.5	77	3.77	245	0.466	8.45	3.027	0.78	0.2	30.7	13	1.4	12.3	1.0	<0.1	<1	39	7.6	0.4
2620079	Drill Core	0.080	6.4	78	3.49	357	0.461	7.80	2.704	0.70	0.2	28.6	15	1.3	12.7	1.0	<0.1	<1	38	12.5	0.9
2620080	Drill Core	0.080	5.3	78	3.47	535	0.461	7.55	2.369	1.09	0.4	30.7	14	1.2	13.3	1.0	<0.1	<1	36	9.5	1.0
2620081	Drill Core	0.079	5.3	74	3.55	913	0.451	7.71	1.114	1.67	0.4	30.5	15	1.5	13.3	1.0	<0.1	<1	37	11.6	0.5
2620082	Drill Core	0.082	5.4	68	3.50	885	0.460	7.10	1.449	2.25	0.3	23.8	15	1.8	13.5	0.9	<0.1	<1	35	13.9	1.4
2620083	Drill Core	0.084	5.0	46	3.01	1081	0.492	7.24	1.144	1.99	0.4	21.7	15	1.6	13.6	1.0	<0.1	<1	33	12.2	0.9
2620084	Drill Core	0.094	4.7	59	2.93	828	0.346	5.94	0.838	2.27	0.3	16.4	12	1.1	11.3	0.7	<0.1	<1	27	10.0	1.3
2620085	Drill Core	0.085	10.3	33	2.30	429	0.443	8.14	1.809	1.20	0.3	19.4	19	1.1	11.4	0.9	<0.1	<1	26	7.9	1.1
2620086	Drill Core	0.068	4.6	56	2.60	855	0.547	7.68	1.417	1.80	0.3	27.4	16	1.7	15.8	1.4	<0.1	<1	24	18.2	1.5
2620087	Drill Core	0.068	4.8	49	3.08	1255	0.522	7.62	1.590	2.57	0.3	28.9	14	1.5	13.2	1.1	<0.1	<1	28	10.2	0.7
2620088	Drill Core	0.083	4.5	61	3.93	805	0.545	7.65	2.460	1.28	0.2	31.0	13	1.3	15.7	1.1	<0.1	<1	41	8.8	0.3
2620089	Drill Core	0.079	4.7	54	3.62	592	0.479	7.74	1.918	1.46	0.3	26.7	13	1.2	13.4	1.1	<0.1	<1	37	7.3	0.5
2620090	Drill Core	0.076	6.6	56	3.66	302	0.489	8.02	2.883	0.84	0.3	31.2	15	1.2	14.3	1.1	<0.1	<1	37	8.0	0.8

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
2620061	Drill Core	2.0	1.4	0.08	0.053	<1	<0.5	<0.5	
2620062	Drill Core	50.8	1.1	0.11	0.014	1	<0.5	<0.5	
2620063	Drill Core	30.9	0.9	0.10	0.038	1	<0.5	<0.5	
2620064	Drill Core	36.4	0.9	0.10	0.137	<1	<0.5	<0.5	
2620065	Drill Core	8.3	1.5	0.09	<0.005	<1	<0.5	<0.5	
2620066	Drill Core	56.7	0.9	0.07	0.049	1	0.6	<0.5	
2620067	Drill Core	82.5	1.2	0.13	0.029	1	0.9	0.5	
2620068	Drill Core	67.4	0.8	0.17	0.055	3	<0.5	0.5	
2620069	Drill Core	1.8	1.4	0.11	<0.005	<1	<0.5	<0.5	
2620070	Drill Core	73.5	0.7	0.16	0.058	3	<0.5	0.6	
2620071	Drill Core	66.3	0.8	0.20	0.072	2	0.6	<0.5	
2620072	Drill Core	47.6	0.9	0.12	0.492	2	0.7	<0.5	
2620073	Drill Core	1.5	1.3	<0.05	0.032	<1	<0.5	<0.5	
2620074	Drill Core	22.5	0.8	0.08	1.260	1	<0.5	<0.5	
2620075	Rock Pulp	91.9	0.1	0.25	0.192	6	0.6	1.7	
2620076	Drill Core	24.3	0.9	0.24	0.566	3	0.6	<0.5	
2620077	Drill Core	17.4	1.1	0.10	0.071	<1	<0.5	<0.5	
2620078	Drill Core	21.8	1.1	0.09	0.029	<1	<0.5	<0.5	
2620079	Drill Core	15.9	1.0	0.08	0.108	<1	<0.5	<0.5	
2620080	Drill Core	27.3	1.0	0.10	0.052	<1	0.9	<0.5	
2620081	Drill Core	35.7	1.0	0.26	0.059	<1	0.5	<0.5	
2620082	Drill Core	47.6	0.7	0.11	0.438	2	0.5	<0.5	
2620083	Drill Core	45.3	0.8	0.14	0.046	1	<0.5	<0.5	
2620084	Drill Core	46.5	0.6	0.07	0.148	1	1.0	<0.5	
2620085	Drill Core	26.3	0.7	0.07	0.160	1	<0.5	<0.5	
2620086	Drill Core	43.0	1.1	<0.05	0.295	1	0.6	<0.5	
2620087	Drill Core	51.1	1.0	0.09	0.209	<1	0.9	<0.5	
2620088	Drill Core	29.8	1.1	0.07	0.013	<1	1.2	<0.5	
2620089	Drill Core	29.1	1.0	0.12	0.013	<1	0.5	<0.5	
2620090	Drill Core	22.4	1.0	0.11	0.210	<1	0.9	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620091	Drill Core	3.96	0.050	2.7	1081.4	1.9	152	0.4	29.8	70.4	1441	8.34	3	0.7	0.8	410	0.4	0.4	<0.1	318	5.46
2620092	Drill Core	2.94	0.044	1.1	535.4	2.0	67	0.2	37.0	83.5	1683	9.05	4	0.9	0.9	406	0.1	0.8	<0.1	308	5.64
2620093	Drill Core	3.38	0.036	0.9	1062.4	1.7	136	0.3	34.2	84.2	1915	10.04	3	0.7	0.8	267	0.4	0.7	<0.1	363	5.42
2620094	Drill Core	3.98	0.140	1.1	803.8	1.3	81	0.2	33.7	74.5	2033	9.47	6	0.9	1.0	413	0.1	2.1	<0.1	340	6.69
2620095	Drill Core	5.44	0.064	9.8	1774.2	2.6	242	0.6	30.6	98.5	1593	9.33	2	0.8	0.8	342	0.7	0.6	<0.1	329	5.16
2620096	Drill Core	4.76	0.168	2.3	1739.9	2.0	81	0.5	26.1	71.7	1420	8.73	3	0.7	0.8	392	0.2	0.5	<0.1	312	5.07
2620097	Drill Core	2.46	2.903	10.2	>10000	7.2	322	3.7	59.7	230.1	1625	11.11	16	1.8	1.0	413	1.1	1.3	0.2	304	5.40
2620098	Drill Core	2.39	2.299	36.0	7455.0	8.1	122	2.6	53.0	198.3	1503	10.12	10	1.7	0.9	388	0.4	1.3	0.2	284	5.37
2620099	Drill Core	1.88	0.117	2.8	1381.2	2.7	56	0.4	41.7	139.6	1213	9.26	4	0.7	0.8	333	0.2	0.2	<0.1	295	5.44
2620100	Drill Core	2.02	0.151	3.1	1266.3	2.9	56	0.5	42.8	141.3	1229	9.21	4	0.8	0.8	312	<0.1	0.3	<0.1	306	5.63
2620101	Drill Core	2.23	0.068	0.5	3515.8	3.2	101	1.1	34.0	69.6	1265	11.06	3	1.0	0.9	166	0.3	0.6	<0.1	286	5.44
2620102	Drill Core	4.03	0.094	0.7	6901.0	6.8	274	1.8	39.3	98.1	1908	11.40	4	0.9	0.7	287	0.8	1.0	<0.1	289	5.42
2620103	Drill Core	6.05	0.085	3.5	1254.3	2.5	62	1.2	22.9	55.0	1072	8.44	3	0.8	0.7	365	<0.1	0.6	<0.1	264	5.60
2620104	Drill Core	4.01	0.057	0.4	2017.2	3.3	111	0.5	23.1	77.5	1274	13.02	3	1.5	1.1	237	0.3	0.5	0.6	340	4.95
2620105	Drill Core	3.84	0.062	4.9	1053.7	3.3	76	0.4	38.6	68.8	1003	7.73	4	0.8	0.8	380	0.2	0.3	0.4	249	5.05
2620106	Drill Core	3.92	0.027	2.5	240.5	1.6	48	<0.1	32.3	43.6	959	7.50	3	0.6	0.6	415	0.2	0.2	<0.1	270	5.54
2620107	Drill Core	4.15	0.061	1.3	731.5	1.6	57	0.2	38.6	79.3	983	7.68	2	0.7	0.9	243	<0.1	0.3	0.3	249	5.85
2620108	Drill Core	4.91	0.117	18.2	1023.2	1.9	94	0.2	37.8	73.5	976	7.46	2	0.5	0.8	434	0.3	<0.1	0.1	239	5.27
2620109	Drill Core	4.90	0.067	1.7	886.2	1.6	61	0.2	34.0	57.6	1153	6.88	2	0.4	0.7	420	<0.1	0.2	0.1	238	5.45
2620110	Drill Core	5.02	0.075	1.9	817.4	1.4	63	0.2	29.5	59.4	1027	7.24	3	0.4	0.8	418	<0.1	0.3	0.1	245	5.22
2620111	Drill Core	4.52	0.111	0.9	371.4	1.2	49	<0.1	30.4	40.2	998	7.23	3	0.5	0.8	451	<0.1	0.1	<0.1	271	5.47
2620112	Drill Core	4.08	0.037	0.9	388.0	1.4	46	0.1	39.6	43.8	1001	7.70	1	0.5	0.8	358	<0.1	0.1	<0.1	307	6.26
2620113	Drill Core	4.55	0.043	0.3	348.1	1.0	43	<0.1	30.1	39.1	909	7.35	2	0.5	0.8	315	<0.1	<0.1	<0.1	282	6.11
2620114	Drill Core	5.28	0.040	0.3	279.3	0.9	49	0.1	35.6	71.0	996	8.59	3	0.5	0.8	255	<0.1	0.2	<0.1	298	5.53
2620115	Drill Core	4.84	0.086	0.4	744.1	1.0	42	0.1	31.0	54.3	935	7.91	2	0.5	0.8	259	<0.1	0.2	<0.1	298	5.45
2620116	Drill Core	2.96	0.263	2.0	2113.4	1.5	46	0.3	32.8	101.7	942	7.79	2	0.6	0.8	291	<0.1	0.2	<0.1	288	4.59
2620117	Rock Pulp	0.30	<0.005	5.9	49.0	6.5	55	0.2	40.2	13.7	786	4.02	6	0.7	2.1	265	0.2	1.1	<0.1	123	2.88
2620118	Drill Core	3.24	0.042	2.5	511.6	0.8	46	<0.1	27.2	39.2	958	7.50	3	0.5	0.8	278	<0.1	0.2	<0.1	282	4.31
2620119	Drill Core	2.93	0.124	3.9	1006.6	0.9	36	<0.1	17.8	34.3	1005	5.25	4	1.0	0.5	417	<0.1	1.2	<0.1	183	3.38
2620120	Drill Core	3.74	0.528	2.3	2848.7	3.6	40	0.3	20.3	51.0	1125	7.11	14	0.9	0.9	572	<0.1	3.7	<0.1	177	6.93

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620091	Drill Core		0.077	6.8	59	3.38	383	0.460	8.29	2.723	0.92	0.3	28.3	15	1.1	13.5	1.0	<0.1	<1	33	10.0	0.6
2620092	Drill Core		0.086	9.1	42	3.37	505	0.448	8.12	2.621	1.20	0.3	31.5	18	1.2	14.2	1.2	<0.1	<1	33	11.3	0.9
2620093	Drill Core		0.072	4.8	65	4.05	145	0.499	7.31	2.722	0.49	0.4	32.0	13	1.4	13.9	1.2	<0.1	<1	39	9.6	0.6
2620094	Drill Core		0.072	7.2	64	3.66	77	0.524	7.58	2.307	0.28	0.5	29.7	16	1.4	14.4	1.2	<0.1	<1	40	9.8	0.5
2620095	Drill Core		0.074	5.7	64	3.42	204	0.451	8.15	3.106	0.65	1.2	27.5	13	1.4	11.8	0.9	<0.1	<1	34	11.0	0.9
2620096	Drill Core		0.083	5.0	46	3.29	242	0.456	8.62	3.130	0.84	0.3	29.4	12	1.1	12.1	1.0	<0.1	<1	31	10.1	0.6
2620097	Drill Core		0.078	34.9	57	3.34	324	0.508	7.61	2.486	0.87	0.9	31.4	50	2.1	18.0	1.2	<0.1	<1	32	9.0	3.1
2620098	Drill Core		0.081	13.1	71	3.16	182	0.431	8.12	2.906	0.63	0.6	25.7	26	1.8	15.6	0.9	<0.1	<1	30	8.9	2.4
2620099	Drill Core		0.079	7.2	55	3.57	207	0.472	8.10	2.895	0.72	0.2	29.7	16	1.1	15.6	1.2	<0.1	<1	34	9.2	1.4
2620100	Drill Core		0.083	8.1	51	3.65	200	0.498	7.94	2.783	0.72	0.2	31.3	17	1.0	16.3	1.3	<0.1	<1	36	9.3	1.3
2620101	Drill Core		0.071	4.2	346	4.60	37	0.327	6.00	2.641	0.15	0.1	27.9	13	1.6	10.0	0.9	<0.1	<1	35	9.0	0.6
2620102	Drill Core		0.072	4.5	197	3.61	438	0.393	7.43	2.309	0.93	0.3	26.7	12	1.4	13.4	1.1	<0.1	<1	30	11.8	1.1
2620103	Drill Core		0.065	5.0	52	2.84	208	0.395	8.64	3.262	0.71	0.2	25.4	13	1.0	11.9	0.8	<0.1	<1	27	9.4	0.5
2620104	Drill Core		0.085	5.5	139	3.89	43	0.475	6.30	2.665	0.15	0.2	28.2	18	1.9	13.1	0.9	<0.1	<1	42	12.8	0.7
2620105	Drill Core		0.084	5.7	76	2.99	204	0.471	8.64	3.140	0.69	0.2	29.6	13	0.9	14.5	1.0	<0.1	<1	32	11.9	0.8
2620106	Drill Core		0.088	4.1	80	3.43	245	0.463	8.11	3.215	0.72	0.2	28.5	11	1.0	13.7	1.0	<0.1	<1	32	10.9	0.3
2620107	Drill Core		0.084	5.6	92	3.47	159	0.483	8.62	3.074	0.50	0.2	30.2	14	1.2	17.1	1.2	<0.1	<1	37	11.1	0.6
2620108	Drill Core		0.095	6.4	97	3.37	310	0.450	8.80	3.120	0.75	0.2	30.5	14	1.2	15.9	1.0	<0.1	1	30	8.5	0.8
2620109	Drill Core		0.087	5.3	93	3.48	273	0.378	8.53	3.128	0.72	0.2	28.6	12	0.8	13.8	0.9	<0.1	<1	28	10.8	0.5
2620110	Drill Core		0.085	6.5	63	3.15	313	0.420	8.93	3.234	0.68	0.1	27.3	14	0.7	14.0	1.0	<0.1	<1	28	9.7	0.7
2620111	Drill Core		0.074	5.2	73	3.25	319	0.452	8.72	3.048	0.73	0.2	27.6	12	0.7	14.0	0.9	<0.1	<1	31	10.5	0.2
2620112	Drill Core		0.081	6.1	116	3.83	250	0.443	8.28	2.895	0.62	0.2	27.3	14	0.7	13.9	0.9	<0.1	<1	39	11.3	0.2
2620113	Drill Core		0.069	5.0	72	3.53	203	0.469	8.56	2.795	0.65	0.2	31.8	12	0.8	12.5	0.8	<0.1	<1	33	11.1	0.2
2620114	Drill Core		0.069	5.7	87	3.77	164	0.462	8.08	2.940	0.56	0.2	29.3	13	0.8	11.3	0.7	<0.1	<1	35	11.4	0.6
2620115	Drill Core		0.067	6.5	86	3.43	180	0.469	8.24	2.681	0.60	0.2	28.6	13	0.7	11.9	0.8	<0.1	<1	35	12.9	0.5
2620116	Drill Core		0.065	6.1	88	3.43	266	0.446	7.77	2.853	0.86	0.3	27.2	13	1.1	12.1	0.8	<0.1	<1	34	11.6	1.2
2620117	Rock Pulp		0.058	9.8	52	1.32	505	0.386	5.87	1.991	0.88	0.8	37.1	20	1.6	14.5	3.7	0.2	<1	14	13.5	<0.1
2620118	Drill Core		0.064	4.1	77	3.33	290	0.452	8.15	2.964	0.91	0.3	25.1	10	0.8	11.4	0.9	<0.1	<1	33	11.5	0.3
2620119	Drill Core		0.035	2.1	39	1.54	1487	0.441	8.20	1.723	4.41	0.6	21.9	7	1.0	7.4	1.0	<0.1	<1	16	12.4	0.4
2620120	Drill Core		0.042	3.4	97	1.73	1394	0.494	8.63	0.599	3.73	0.6	23.4	11	1.0	11.6	1.1	<0.1	<1	11	18.0	0.9

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
2620091	Drill Core	24.2	1.0	0.11	0.017	<1	1.1	<0.5	
2620092	Drill Core	29.4	1.2	0.10	0.019	<1	0.6	<0.5	
2620093	Drill Core	9.9	1.2	0.11	0.015	<1	1.3	<0.5	
2620094	Drill Core	4.9	0.9	0.13	0.041	<1	1.1	<0.5	
2620095	Drill Core	16.8	0.9	0.11	0.126	<1	1.2	<0.5	
2620096	Drill Core	24.8	1.0	0.10	0.029	<1	0.5	<0.5	
2620097	Drill Core	21.7	1.2	0.38	0.106	4	<0.5	<0.5	1.315
2620098	Drill Core	17.9	1.0	0.32	0.426	3	0.8	<0.5	
2620099	Drill Core	21.0	1.2	0.09	0.102	2	<0.5	<0.5	
2620100	Drill Core	19.3	1.1	0.10	0.103	1	0.6	<0.5	
2620101	Drill Core	2.8	1.0	0.14	0.188	<1	1.4	<0.5	
2620102	Drill Core	16.6	0.9	0.22	0.098	2	<0.5	<0.5	
2620103	Drill Core	20.1	0.8	0.10	0.064	<1	0.6	<0.5	
2620104	Drill Core	2.8	1.1	0.17	0.039	<1	<0.5	<0.5	
2620105	Drill Core	18.9	1.0	0.06	0.030	<1	<0.5	<0.5	
2620106	Drill Core	11.8	1.0	0.06	0.020	<1	<0.5	<0.5	
2620107	Drill Core	13.8	1.1	0.07	0.017	<1	0.8	<0.5	
2620108	Drill Core	20.5	1.0	0.09	0.125	<1	<0.5	<0.5	
2620109	Drill Core	19.5	0.9	0.09	0.013	<1	<0.5	<0.5	
2620110	Drill Core	18.0	1.1	0.06	0.026	<1	<0.5	<0.5	
2620111	Drill Core	19.0	1.0	0.06	0.009	<1	<0.5	<0.5	
2620112	Drill Core	15.7	1.0	0.06	0.005	<1	0.8	<0.5	
2620113	Drill Core	17.0	0.9	<0.05	<0.005	<1	0.7	<0.5	
2620114	Drill Core	12.7	1.0	0.06	0.010	<1	<0.5	<0.5	
2620115	Drill Core	18.2	1.0	0.06	0.009	<1	0.5	<0.5	
2620116	Drill Core	26.6	0.9	0.09	0.016	1	<0.5	<0.5	
2620117	Rock Pulp	20.3	1.1	<0.05	<0.005	<1	<0.5	<0.5	
2620118	Drill Core	26.0	0.9	0.10	0.126	<1	<0.5	<0.5	
2620119	Drill Core	72.0	0.7	<0.05	0.018	<1	<0.5	0.7	
2620120	Drill Core	87.1	0.8	0.07	0.016	<1	1.0	0.6	

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310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620121	Drill Core	3.05	0.358	1.4	839.3	3.2	28	0.2	15.6	35.7	966	5.21	9	1.2	0.7	731	<0.1	3.5	<0.1	157	7.92
2620122	Drill Core	3.70	0.319	1.7	1720.0	2.0	33	0.2	42.2	100.9	989	7.52	6	0.9	0.9	349	<0.1	1.1	<0.1	229	5.03
2620123	Drill Core	1.76	0.261	1.7	2005.4	2.0	40	0.2	38.0	85.5	1178	7.71	7	0.9	1.0	351	<0.1	1.3	<0.1	216	5.73
2620124	Drill Core	4.46	1.234	2.3	6270.5	7.9	49	0.8	88.9	434.8	1563	13.50	37	1.0	0.8	852	<0.1	5.5	0.6	266	7.76
2620125	Rock Pulp	0.30	1.276	687.9	7168.7	2758.3	798	17.7	33.2	17.0	1169	5.52	23	0.8	3.0	240	6.2	15.6	0.8	97	2.15
2620126	Drill Core	3.02	0.560	2.8	3158.3	3.6	46	0.3	67.4	328.8	1140	11.54	8	0.9	0.9	292	<0.1	1.0	<0.1	248	5.61
2620127	Drill Core	3.77	0.364	1.2	2267.1	1.4	42	0.3	41.0	102.8	1074	7.88	3	0.7	0.9	406	<0.1	1.5	<0.1	202	5.26
2620128	Drill Core	3.46	0.843	1.6	7414.3	2.0	61	0.6	60.4	125.6	1131	9.75	5	0.7	0.9	453	<0.1	1.8	<0.1	229	5.17
2620129	Drill Core	3.01	0.326	1.4	1639.2	1.3	36	0.5	34.0	127.8	876	7.86	5	0.8	0.9	394	<0.1	0.8	<0.1	206	4.99
2620130	Drill Core	3.49	0.666	1.9	1906.7	1.0	31	0.3	30.8	97.3	901	7.96	3	0.9	0.8	419	<0.1	0.8	<0.1	225	4.99
2620131	Drill Core	2.84	2.114	1.6	3249.5	3.2	41	0.8	40.3	142.1	1297	9.55	8	1.1	0.8	759	<0.1	4.1	<0.1	227	8.57
2620132	Drill Core	2.99	0.592	1.2	5095.0	2.1	47	0.7	29.0	109.0	966	9.16	6	0.8	0.7	424	<0.1	1.2	<0.1	222	4.56
2620133	Drill Core	3.07	0.876	0.8	8210.1	1.9	50	1.1	47.8	125.2	992	11.81	2	0.2	0.2	245	<0.1	0.2	<0.1	342	3.96
2620134	Drill Core	2.15	0.352	0.7	4787.5	1.6	49	0.7	40.5	161.1	896	16.11	2	0.7	0.4	303	<0.1	0.1	<0.1	256	4.16
2620135	Drill Core	3.48	0.435	1.0	5396.7	1.9	41	0.7	40.5	174.3	746	8.92	3	1.0	0.8	255	<0.1	0.3	<0.1	215	4.27
2620136	Drill Core	3.28	0.227	2.2	2261.3	1.9	39	0.3	30.5	103.3	795	7.64	2	1.1	0.9	481	<0.1	0.5	<0.1	246	4.11
2620137	Drill Core	2.98	1.814	2.9	6496.3	1.6	42	0.9	40.2	101.4	927	9.49	5	0.7	0.9	300	<0.1	0.4	<0.1	213	4.86
2620138	Drill Core	4.05	0.400	0.9	2013.3	0.8	56	0.4	46.0	53.6	1143	8.20	2	0.6	0.8	298	<0.1	0.6	<0.1	213	4.91
2620139	Drill Core	2.84	0.296	0.5	2651.4	1.6	46	0.3	43.6	83.1	1025	8.53	3	0.8	0.9	377	<0.1	0.5	0.1	207	5.75
2620140	Drill Core	3.62	0.256	6.3	2747.8	1.8	35	0.3	64.6	337.1	864	8.62	4	1.1	0.8	374	<0.1	0.5	0.1	197	4.73

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620121	Drill Core	0.028	3.3	60	1.56	1129	0.437	8.43	0.865	3.04	0.6	21.8	10	0.8	11.0	0.9	<0.1	<1	12	13.7	0.5
2620122	Drill Core	0.064	6.3	111	2.55	919	0.467	8.08	1.721	2.71	0.5	26.1	13	1.1	11.8	1.1	<0.1	<1	22	13.2	1.3
2620123	Drill Core	0.079	6.8	127	2.55	970	0.448	7.62	1.436	2.74	0.3	25.8	15	1.4	14.1	1.2	<0.1	<1	23	12.8	1.1
2620124	Drill Core	0.067	4.1	84	2.50	248	0.450	7.64	0.512	1.27	0.9	21.6	11	1.4	11.9	0.9	<0.1	<1	21	16.8	4.3
2620125	Rock Pulp	0.077	10.1	47	1.10	104	0.293	6.60	1.449	1.76	4.3	14.3	22	3.3	12.1	3.5	0.2	1	11	21.5	2.3
2620126	Drill Core	0.078	4.1	120	3.52	88	0.458	6.61	1.208	1.75	0.3	23.7	13	1.6	13.3	1.0	<0.1	<1	27	16.6	3.1
2620127	Drill Core	0.081	4.1	112	3.41	544	0.453	7.24	2.660	1.33	0.5	25.0	12	1.4	13.3	0.9	<0.1	<1	31	9.0	1.1
2620128	Drill Core	0.101	5.2	121	4.41	787	0.425	6.50	1.539	1.50	0.3	24.2	14	1.6	13.4	0.9	<0.1	<1	38	14.8	1.9
2620129	Drill Core	0.103	4.5	72	3.20	823	0.468	7.27	2.348	1.22	0.4	22.8	13	1.5	13.9	1.1	<0.1	<1	27	11.8	1.2
2620130	Drill Core	0.101	5.5	29	2.64	1162	0.481	7.35	1.846	2.66	0.4	21.6	14	1.2	12.8	1.1	<0.1	<1	25	10.3	1.0
2620131	Drill Core	0.084	8.8	49	2.29	333	0.445	7.75	1.250	0.90	0.8	21.5	17	1.5	14.5	1.2	<0.1	<1	26	15.2	1.5
2620132	Drill Core	0.091	3.6	54	2.47	938	0.449	7.86	1.333	3.05	0.6	20.0	11	1.1	11.0	1.0	<0.1	<1	24	18.7	1.3
2620133	Drill Core	0.097	0.9	25	3.01	451	0.274	7.22	0.715	0.58	1.5	9.4	2	1.0	2.1	0.1	<0.1	<1	17	18.1	1.9
2620134	Drill Core	0.086	2.2	28	2.97	71	0.336	6.16	0.586	1.02	4.7	13.1	7	1.3	7.6	0.5	<0.1	<1	17	22.8	2.4
2620135	Drill Core	0.098	4.5	28	2.50	186	0.470	7.61	1.776	2.54	0.5	21.5	14	1.1	14.5	1.3	<0.1	<1	23	15.8	1.9
2620136	Drill Core	0.100	5.3	24	2.51	684	0.527	8.73	3.185	1.21	0.7	25.6	15	1.2	19.0	1.5	<0.1	<1	24	11.9	1.3
2620137	Drill Core	0.077	3.7	138	3.30	1128	0.432	7.20	1.621	1.82	0.3	24.5	12	0.9	12.6	1.1	<0.1	<1	28	13.8	1.4
2620138	Drill Core	0.080	4.3	178	4.09	630	0.468	7.39	2.641	1.28	0.2	32.2	13	1.1	16.0	1.3	<0.1	<1	35	13.2	0.5
2620139	Drill Core	0.092	3.8	132	3.78	1254	0.390	8.01	2.338	1.40	0.4	26.9	12	1.1	12.7	1.2	<0.1	<1	29	17.1	1.1
2620140	Drill Core	0.097	9.7	110	3.18	193	0.406	7.60	3.069	1.58	0.4	24.7	20	1.3	13.6	1.2	<0.1	<1	27	9.8	2.5

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

CERTIFICATE OF ANALYSIS SMI14000934.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
2620121	Drill Core	72.6	0.8	<0.05	0.012	<1	<0.5	<0.5	
2620122	Drill Core	55.0	0.9	<0.05	0.020	1	0.6	<0.5	
2620123	Drill Core	54.4	0.9	0.06	0.030	<1	1.0	<0.5	
2620124	Drill Core	32.6	0.7	0.15	0.029	4	<0.5	<0.5	
2620125	Rock Pulp	51.1	0.5	0.18	0.399	3	<0.5	0.9	
2620126	Drill Core	40.8	0.9	<0.05	2.291	3	<0.5	<0.5	
2620127	Drill Core	27.9	0.9	0.07	0.072	1	0.6	<0.5	
2620128	Drill Core	32.2	0.8	0.16	0.067	2	0.6	<0.5	
2620129	Drill Core	32.7	0.8	0.07	0.035	<1	<0.5	<0.5	
2620130	Drill Core	57.7	0.9	0.07	0.035	<1	<0.5	<0.5	
2620131	Drill Core	21.6	0.8	0.20	0.013	1	0.9	<0.5	
2620132	Drill Core	76.8	0.9	0.07	0.008	1	<0.5	<0.5	
2620133	Drill Core	13.3	0.3	0.06	0.014	2	<0.5	<0.5	
2620134	Drill Core	23.3	0.5	0.07	0.006	1	<0.5	<0.5	
2620135	Drill Core	50.8	0.8	0.07	0.035	2	<0.5	<0.5	
2620136	Drill Core	34.4	1.0	0.06	0.052	<1	<0.5	<0.5	
2620137	Drill Core	39.5	1.0	0.08	0.044	2	<0.5	<0.5	
2620138	Drill Core	25.4	1.2	0.07	<0.005	<1	1.0	<0.5	
2620139	Drill Core	33.2	1.0	0.07	0.063	1	0.6	<0.5	
2620140	Drill Core	35.2	1.0	0.10	0.466	<1	<0.5	<0.5	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

QUALITY CONTROL REPORT SMI14000934.2

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
REP 2620012	QC			72.0	383.4	24.0	67	0.9	25.3	124.8	1906	8.02	58	3.1	0.4	196	0.5	1.3	<0.1	173	9.63
2620013	Drill Core	3.09	0.014	3.4	598.8	12.8	74	0.6	20.9	84.8	1134	7.78	11	0.9	0.6	381	0.3	0.6	<0.1	294	3.65
REP 2620013	QC		0.014																		
2620047	Drill Core	4.08	0.065	6.5	2671.6	5.1	158	1.5	25.8	76.8	2206	8.51	7	1.2	1.1	305	0.5	0.4	<0.1	294	6.40
REP 2620047	QC			6.6	2640.3	4.5	155	1.6	25.2	78.7	2104	8.28	6	1.2	1.0	297	0.4	0.3	<0.1	289	6.10
2620068	Drill Core	3.54	0.019	2.2	3085.0	9.8	289	1.7	70.0	280.6	1902	13.21	20	1.3	0.7	287	0.7	1.3	0.2	287	4.76
REP 2620068	QC		0.021																		
2620082	Drill Core	4.38	0.041	1.4	1460.6	14.2	163	0.6	39.2	128.8	2025	10.82	9	1.1	0.8	224	0.8	0.6	0.2	339	5.12
REP 2620082	QC			1.6	1495.2	14.0	158	0.6	39.1	127.0	2073	11.18	8	1.1	1.0	239	0.6	0.8	0.2	344	5.35
REP 2620088	QC		0.013																		
2620097	Drill Core	2.46	2.903	10.2	>10000	7.2	322	3.7	59.7	230.1	1625	11.11	16	1.8	1.0	413	1.1	1.3	0.2	304	5.40
REP 2620097	QC																				
2620117	Rock Pulp	0.30	<0.005	5.9	49.0	6.5	55	0.2	40.2	13.7	786	4.02	6	0.7	2.1	265	0.2	1.1	<0.1	123	2.88
REP 2620117	QC			5.9	50.6	6.3	57	0.1	42.9	13.8	764	3.98	6	0.6	1.8	265	0.1	1.0	<0.1	119	2.84
2620140	Drill Core	3.62	0.256	6.3	2747.8	1.8	35	0.3	64.6	337.1	864	8.62	4	1.1	0.8	374	<0.1	0.5	0.1	197	4.73
REP 2620140	QC			6.7	2909.5	1.8	38	0.4	70.9	353.9	975	9.31	4	1.1	0.8	410	<0.1	0.5	0.1	197	5.04
Core Reject Duplicates																					
2620012	Drill Core	2.82	0.012	69.3	383.8	24.7	66	0.8	27.8	128.7	1902	8.04	59	3.0	0.4	189	0.5	1.2	<0.1	173	9.83
DUP 2620012	QC		0.013	70.9	377.9	23.4	66	0.8	26.7	125.5	1892	8.04	54	2.9	0.4	198	0.5	1.2	<0.1	172	9.51
2620050	Drill Core	1.85	0.207	184.7	2663.4	4.6	128	1.6	18.9	80.0	2118	9.25	7	1.2	0.9	212	0.3	0.8	0.1	323	6.30
DUP 2620050	QC		0.166	168.5	2497.5	4.2	112	1.5	19.1	82.8	2062	9.01	6	1.1	0.9	208	0.4	0.8	<0.1	310	6.28
2620088	Drill Core	5.14	0.008	1.2	524.4	1.3	48	0.1	27.5	53.5	1410	9.50	3	0.9	0.9	325	<0.1	0.5	<0.1	368	5.41
DUP 2620088	QC		0.010	1.2	509.5	1.2	46	0.1	26.1	53.0	1403	9.28	4	0.9	0.8	298	<0.1	0.5	<0.1	363	5.33
2620126	Drill Core	3.02	0.560	2.8	3158.3	3.6	46	0.3	67.4	328.8	1140	11.54	8	0.9	0.9	292	<0.1	1.0	<0.1	248	5.61
DUP 2620126	QC		0.575	2.2	3099.9	2.2	47	0.4	65.9	319.7	1122	11.35	9	0.9	0.9	307	<0.1	1.1	<0.1	242	5.49
Reference Materials																					
STD CDN-ME-14	Standard																				
STD CDN-ME-9	Standard																				

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

QUALITY CONTROL REPORT SMI14000934.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
REP 2620012	QC	0.050	11.1	13	3.83	94	0.272	5.67	1.589	0.26	0.4	20.3	14	1.1	11.4	0.6	<0.1	<1	17	5.0	2.7
2620013	Drill Core	0.075	6.7	37	1.94	376	0.487	8.95	3.363	0.93	0.7	21.3	11	0.9	10.0	1.0	<0.1	<1	24	16.0	2.3
REP 2620013	QC																				
2620047	Drill Core	0.093	5.6	21	2.63	754	0.437	8.75	3.095	1.02	0.2	25.3	14	1.0	12.2	1.1	<0.1	<1	27	13.8	0.8
REP 2620047	QC	0.098	5.4	19	2.57	713	0.422	8.31	2.937	1.00	0.3	25.3	14	1.0	12.1	1.0	<0.1	<1	26	12.7	0.7
2620068	Drill Core	0.167	3.5	29	3.03	102	0.316	7.39	0.452	3.40	0.2	21.9	12	1.4	10.1	0.8	<0.1	<1	31	19.5	3.2
REP 2620068	QC																				
2620082	Drill Core	0.082	5.4	68	3.50	885	0.460	7.10	1.449	2.25	0.3	23.8	15	1.8	13.5	0.9	<0.1	<1	35	13.9	1.4
REP 2620082	QC	0.084	6.0	68	3.56	877	0.482	7.32	1.535	2.32	0.5	23.4	16	1.9	13.8	1.0	<0.1	<1	36	14.6	1.4
REP 2620088	QC																				
2620097	Drill Core	0.078	34.9	57	3.34	324	0.508	7.61	2.486	0.87	0.9	31.4	50	2.1	18.0	1.2	<0.1	<1	32	9.0	3.1
REP 2620097	QC																				
2620117	Rock Pulp	0.058	9.8	52	1.32	505	0.386	5.87	1.991	0.88	0.8	37.1	20	1.6	14.5	3.7	0.2	<1	14	13.5	<0.1
REP 2620117	QC	0.062	8.7	55	1.29	500	0.400	5.68	2.069	0.82	0.9	34.6	18	1.5	14.2	3.6	0.3	<1	14	13.0	<0.1
2620140	Drill Core	0.097	9.7	110	3.18	193	0.406	7.60	3.069	1.58	0.4	24.7	20	1.3	13.6	1.2	<0.1	<1	27	9.8	2.5
REP 2620140	QC	0.103	10.6	120	3.43	170	0.441	8.04	3.235	1.73	0.4	26.7	22	1.5	15.1	1.2	<0.1	<1	29	10.2	2.6
Core Reject Duplicates																					
2620012	Drill Core	0.048	11.3	13	3.85	92	0.277	5.72	1.651	0.25	0.4	18.5	15	1.2	10.4	0.6	<0.1	<1	16	5.1	2.7
DUP 2620012	QC	0.049	11.4	12	3.74	100	0.274	5.72	1.657	0.27	0.3	19.0	15	1.1	10.8	0.6	<0.1	<1	16	5.2	2.7
2620050	Drill Core	0.086	10.9	28	2.74	1067	0.452	8.59	1.310	2.17	0.4	21.7	22	1.6	13.0	0.9	<0.1	<1	25	16.6	0.8
DUP 2620050	QC	0.086	9.7	27	2.64	1083	0.446	8.35	1.373	2.06	0.4	21.4	20	1.7	13.2	0.9	<0.1	<1	24	17.0	0.8
2620088	Drill Core	0.083	4.5	61	3.93	805	0.545	7.65	2.460	1.28	0.2	31.0	13	1.3	15.7	1.1	<0.1	<1	41	8.8	0.3
DUP 2620088	QC	0.082	4.5	56	3.94	738	0.545	7.46	2.377	1.19	0.2	30.2	13	1.2	14.9	1.0	<0.1	<1	41	8.4	0.3
2620126	Drill Core	0.078	4.1	120	3.52	88	0.458	6.61	1.208	1.75	0.3	23.7	13	1.6	13.3	1.0	<0.1	<1	27	16.6	3.1
DUP 2620126	QC	0.075	4.0	115	3.47	156	0.442	6.54	1.205	1.78	0.4	23.6	12	1.4	13.0	0.9	<0.1	<1	26	17.6	3.0
Reference Materials																					
STD CDN-ME-14	Standard																				
STD CDN-ME-9	Standard																				

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

QUALITY CONTROL REPORT SMI14000934.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
	Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
Pulp Duplicates									
REP 2620012	QC	10.3	0.6	<0.05	0.324	3	0.9	<0.5	
2620013	Drill Core	27.6	0.9	0.09	0.024	2	0.6	<0.5	
REP 2620013	QC								
2620047	Drill Core	20.7	0.9	0.10	0.060	<1	0.6	<0.5	
REP 2620047	QC	20.5	0.9	0.09	0.056	2	0.7	<0.5	
2620068	Drill Core	67.4	0.8	0.17	0.055	3	<0.5	0.5	
REP 2620068	QC								
2620082	Drill Core	47.6	0.7	0.11	0.438	2	0.5	<0.5	
REP 2620082	QC	48.7	0.8	0.10	0.449	<1	<0.5	<0.5	
REP 2620088	QC								
2620097	Drill Core	21.7	1.2	0.38	0.106	4	<0.5	<0.5	1.315
REP 2620097	QC								1.312
2620117	Rock Pulp	20.3	1.1	<0.05	<0.005	<1	<0.5	<0.5	
REP 2620117	QC	19.9	1.1	<0.05	<0.005	<1	<0.5	<0.5	
2620140	Drill Core	35.2	1.0	0.10	0.466	<1	<0.5	<0.5	
REP 2620140	QC	39.2	1.0	0.13	0.534	2	<0.5	<0.5	
Core Reject Duplicates									
2620012	Drill Core	10.5	0.6	<0.05	0.284	2	2.9	<0.5	
DUP 2620012	QC	11.0	0.5	<0.05	0.273	2	1.8	<0.5	
2620050	Drill Core	36.7	0.8	0.15	1.453	<1	<0.5	<0.5	
DUP 2620050	QC	36.1	0.8	0.16	1.464	1	<0.5	<0.5	
2620088	Drill Core	29.8	1.1	0.07	0.013	<1	1.2	<0.5	
DUP 2620088	QC	27.4	1.0	0.13	0.017	<1	0.9	<0.5	
2620126	Drill Core	40.8	0.9	<0.05	2.291	3	<0.5	<0.5	
DUP 2620126	QC	40.9	0.8	0.06	2.330	3	<0.5	<0.5	
Reference Materials									
STD CDN-ME-14	Standard								1.263
STD CDN-ME-9	Standard								0.671

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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

QUALITY CONTROL REPORT SMI14000934.2

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS25A-4A	Standard			2.3	37.2	28.5	45	<0.1	47.2	8.2	490	6.71	10	3.0	16.8	53	<0.1	0.6	0.4	166	0.30
STD OREAS25A-4A	Standard			2.6	42.2	26.7	47	<0.1	48.9	8.0	501	6.90	10	3.0	16.6	49	<0.1	0.6	0.4	172	0.30
STD OREAS25A-4A	Standard			2.4	35.4	25.1	42	<0.1	49.5	7.7	482	6.55	10	2.6	15.8	46	<0.1	0.6	0.4	167	0.31
STD OREAS25A-4A	Standard			2.4	37.9	27.5	46	<0.1	48.0	8.0	513	6.56	11	2.8	16.1	51	<0.1	0.6	0.4	158	0.28
STD OREAS25A-4A	Standard			2.8	37.5	26.6	46	<0.1	47.5	8.4	488	6.71	10	2.9	15.6	47	<0.1	0.6	0.3	161	0.30
STD OREAS25A-4A	Standard			2.2	35.5	26.0	48	0.1	49.0	8.2	498	6.85	11	2.7	13.0	47	0.1	0.8	0.3	167	0.29
STD OREAS45E	Standard			2.4	789.9	20.6	48	0.3	458.9	64.6	550	25.57	17	2.7	13.9	20	<0.1	1.1	0.4	333	0.08
STD OREAS45E	Standard			2.3	825.0	19.2	45	0.3	485.0	62.1	604	26.62	17	2.4	12.9	17	<0.1	1.1	0.2	344	0.07
STD OREAS45E	Standard			2.4	820.8	20.8	49	0.4	484.9	66.1	589	26.67	17	2.7	14.7	17	<0.1	1.0	0.3	345	0.07
STD OREAS45E	Standard			2.5	781.2	20.1	47	0.4	478.4	60.0	572	25.27	16	2.5	14.0	19	<0.1	1.0	0.2	321	0.08
STD OREAS45E	Standard			2.6	797.1	19.8	48	0.4	478.6	62.4	587	25.96	18	2.6	13.1	17	<0.1	1.1	0.3	320	0.07
STD OREAS45E	Standard			2.4	835.3	19.5	50	0.3	490.7	67.9	594	25.91	17	2.6	13.2	19	<0.1	1.0	0.3	331	0.08
STD OXD108	Standard		0.425																		
STD OXD108	Standard		0.430																		
STD OXD108	Standard		0.413																		
STD OXD108	Standard		0.413																		
STD OXI121	Standard		1.839																		
STD OXI121	Standard		1.832																		
STD OXI121	Standard		1.780																		
STD OXI121	Standard		1.804																		
STD OXN117	Standard		7.719																		
STD OXN117	Standard		7.845																		
STD OXN117	Standard		7.628																		
STD OXN117	Standard		7.605																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

QUALITY CONTROL REPORT SMI14000934.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OREAS25A-4A	Standard	0.051	24.7	113	0.36	154	0.895	9.24	0.145	0.48	1.9	151.6	51	4.3	11.3	19.8	1.4	1	13	38.9	<0.1
STD OREAS25A-4A	Standard	0.050	21.8	111	0.35	156	0.934	9.42	0.137	0.51	2.0	160.3	50	4.1	10.8	21.1	1.5	1	14	39.1	<0.1
STD OREAS25A-4A	Standard	0.049	21.8	110	0.33	150	0.883	9.10	0.136	0.49	1.9	147.6	50	4.0	9.5	20.0	1.4	<1	13	38.3	<0.1
STD OREAS25A-4A	Standard	0.047	24.1	120	0.37	153	0.949	8.84	0.139	0.50	1.8	157.0	52	4.4	11.3	20.5	1.5	<1	13	38.4	<0.1
STD OREAS25A-4A	Standard	0.052	21.5	124	0.36	154	0.920	8.72	0.143	0.53	2.1	160.6	49	4.5	10.2	21.0	1.6	<1	13	40.1	<0.1
STD OREAS25A-4A	Standard	0.049	18.2	119	0.34	155	0.941	8.91	0.136	0.52	1.9	150.6	42	4.3	9.7	20.8	1.4	<1	13	35.3	<0.1
STD OREAS45E	Standard	0.036	12.7	916	0.18	260	0.517	6.91	0.075	0.33	1.0	96.8	26	1.3	9.0	6.4	0.5	<1	93	7.6	<0.1
STD OREAS45E	Standard	0.036	11.5	1000	0.18	265	0.541	7.18	0.059	0.36	1.1	100.5	26	1.3	7.9	6.4	0.5	<1	96	6.9	<0.1
STD OREAS45E	Standard	0.037	11.5	970	0.17	257	0.541	7.16	0.062	0.36	1.1	100.2	26	1.4	7.9	6.4	0.5	<1	96	6.6	<0.1
STD OREAS45E	Standard	0.033	11.6	918	0.18	267	0.531	6.80	0.064	0.35	1.0	98.4	24	1.4	9.1	6.3	0.5	<1	97	6.6	<0.1
STD OREAS45E	Standard	0.035	11.5	1013	0.18	272	0.535	6.97	0.059	0.35	1.0	100.1	26	1.4	7.9	6.3	0.6	<1	97	6.6	<0.1
STD OREAS45E	Standard	0.031	12.1	931	0.18	273	0.553	7.09	0.066	0.36	0.9	116.2	27	1.6	8.0	6.4	0.5	<1	98	7.3	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046

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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

QUALITY CONTROL REPORT SMI14000934.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA370 Cu % 0.001
STD OREAS25A-4A	Standard	63.3	4.2	<0.05	<0.005	3	<0.5	<0.5	
STD OREAS25A-4A	Standard	64.3	4.3	0.07	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	63.6	4.2	0.10	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	61.6	4.1	0.08	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	61.2	4.4	0.10	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	55.8	4.0	0.13	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	23.5	3.1	0.12	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	22.8	2.9	0.13	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	23.2	3.0	0.08	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	21.4	2.8	0.11	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	22.9	3.0	0.08	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	21.2	3.0	0.09	<0.005	2	<0.5	<0.5	
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXD108 Expected									
STD OXN117 Expected									
STD OXI121 Expected									
STD OREAS25A-4A		61	4.53					0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

QUALITY CONTROL REPORT SMI14000934.2

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD CDN-ME-14 Expected																					
STD CDN-ME-9 Expected																					
BLK	Blank		0.005																		
BLK	Blank		0.005																		
BLK	Blank		<0.005																		
BLK	Blank		0.006																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.2	3	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01
BLK	Blank			<0.1	1.4	<0.1	<1	<0.1	0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.5	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<1	0.03
BLK	Blank																				
Prep Wash																					
ROCK-SMI	Prep Blank		<0.005	0.6	4.3	2.9	34	<0.1	1.2	4.5	623	2.14	2	1.4	3.4	217	0.1	0.1	0.2	37	1.68
ROCK-SMI	Prep Blank		<0.005	1.1	4.8	2.7	35	<0.1	1.5	4.3	602	2.06	2	1.4	3.2	203	<0.1	<0.1	<0.1	36	1.62

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

QUALITY CONTROL REPORT SMI14000934.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD CDN-ME-14 Expected																					
STD CDN-ME-9 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
ROCK-SMI	Prep Blank	0.045	14.9	3	0.49	824	0.241	7.00	3.386	1.67	0.2	54.6	27	0.8	17.3	5.7	0.4	1	7	5.2	<0.1
ROCK-SMI	Prep Blank	0.043	13.7	3	0.45	778	0.235	6.75	3.303	1.61	0.3	55.3	27	1.0	17.3	5.5	0.4	<1	7	4.5	<0.1

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 15, 2015

QUALITY CONTROL REPORT SMI14000934.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA370 Cu % 0.001
STD CDN-ME-14 Expected									1.221
STD CDN-ME-9 Expected									0.654
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	0.3	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								<0.001
Prep Wash									
ROCK-SMI	Prep Blank	38.2	1.8	<0.05	<0.005	<1	<0.5	<0.5	
ROCK-SMI	Prep Blank	38.2	1.8	<0.05	<0.005	<1	<0.5	<0.5	

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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: December 22, 2014
Report Date: January 26, 2015
Page: 1 of 6

CERTIFICATE OF ANALYSIS SMI14000935.2

CLIENT JOB INFORMATION

Project: Hat
Shipment ID:
P.O. Number
Number of Samples: 123

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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
PRP70-500	120	Crush, split and pulverize 500g rock to 200 mesh			SMI
FA430	123	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	123	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA404	12	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN
SPTPL	7	Splitting of pulp samples for client			VAN

ADDITIONAL COMMENTS

Version 2 : MA404-Cu included.

Invoice To: Terracad Geoscience Services Ltd.
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2
CANADA

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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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

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620141	Drill Core	3.12	0.959	4.1	7703.7	2.0	51	0.9	81.9	241.0	1125	14.71	3	0.9	0.6	321	<0.1	0.8	0.1	240	4.98
2620142	Drill Core	2.92	1.035	1.4	1558.7	1.3	48	0.4	53.4	115.2	1255	8.08	3	0.7	0.7	521	<0.1	1.6	<0.1	211	5.53
2620143	Drill Core	4.14	0.526	3.5	3969.7	1.4	59	0.3	60.6	105.2	1428	10.43	4	0.8	0.9	350	<0.1	1.3	<0.1	230	5.53
2620144	Drill Core	2.60	1.248	2.4	7961.5	3.0	45	0.7	34.7	71.2	1364	10.09	4	0.7	0.5	764	<0.1	3.7	<0.1	260	8.29
2620145	Drill Core	2.34	0.346	1.1	2147.5	1.7	40	0.3	32.7	63.1	1112	7.64	4	0.7	0.6	513	<0.1	1.7	<0.1	209	7.60
2620146	Drill Core	4.65	0.057	1.1	842.0	1.0	50	0.1	56.8	63.3	1085	7.42	3	0.5	0.7	290	<0.1	0.5	<0.1	233	5.96
2620147	Drill Core	4.60	0.047	0.8	502.3	0.9	45	<0.1	52.9	54.3	1053	8.34	3	0.5	0.7	314	<0.1	0.4	<0.1	280	5.56
2620148	Drill Core	4.58	0.081	0.7	391.3	1.1	43	<0.1	56.4	53.9	1257	10.22	4	0.6	0.8	377	<0.1	0.7	<0.1	336	5.77
2620149	Drill Core	2.08	0.030	0.3	279.3	0.9	46	<0.1	51.7	47.4	1123	7.54	3	0.4	0.7	373	0.1	0.3	<0.1	251	5.90
2620150	Drill Core	2.25	0.029	0.3	289.9	0.9	41	<0.1	48.1	48.5	996	6.99	4	0.4	0.7	396	<0.1	0.3	<0.1	242	5.63
2620151	Drill Core	3.38	0.057	0.5	725.2	0.9	47	<0.1	66.5	47.7	1202	7.14	3	0.4	0.7	321	<0.1	0.5	<0.1	231	6.36
2620152	Drill Core	3.09	0.093	3.2	1082.8	0.8	38	0.1	46.9	61.8	917	7.03	2	0.5	0.7	278	<0.1	0.3	<0.1	239	5.31
2620153	Drill Core	3.93	0.152	0.5	1566.6	2.0	33	0.2	50.4	146.7	987	8.02	5	0.7	0.7	445	<0.1	1.4	<0.1	228	6.45
2620154	Drill Core	2.97	0.022	0.5	312.1	0.9	37	<0.1	43.8	42.6	840	6.41	3	0.5	0.7	332	<0.1	0.1	<0.1	220	5.52
2620155	Drill Core	2.95	0.030	0.3	370.3	0.9	38	<0.1	35.6	39.1	959	7.12	3	0.6	0.8	308	<0.1	0.3	<0.1	252	5.37
2620156	Drill Core	5.03	0.027	0.8	182.9	1.2	44	<0.1	42.3	36.5	1086	6.38	3	0.4	0.6	389	<0.1	0.2	<0.1	228	6.17
2620157	Drill Core	5.00	0.157	10.8	1399.4	1.3	46	0.2	50.0	42.2	1159	7.26	2	0.5	0.7	333	<0.1	0.2	<0.1	240	6.12
2620158	Drill Core	5.41	0.047	0.6	738.0	1.1	46	0.1	51.1	38.1	1224	7.36	3	0.4	0.6	377	0.1	0.3	<0.1	234	5.90
2620159	Drill Core	4.78	0.036	0.5	304.2	1.1	41	<0.1	44.7	49.6	1127	7.85	4	0.6	0.6	382	<0.1	0.3	<0.1	263	5.99
2620160	Drill Core	5.45	0.035	0.3	217.3	1.2	39	<0.1	40.2	34.9	983	6.84	2	0.4	0.6	347	<0.1	0.1	<0.1	242	5.92
2620161	Drill Core	5.06	0.036	0.5	280.8	1.1	50	<0.1	48.0	38.7	1310	6.82	4	0.3	0.6	383	<0.1	0.2	<0.1	237	6.80
2620162	Drill Core	4.31	0.034	0.3	238.9	1.2	47	<0.1	38.6	37.8	1246	7.65	4	0.4	0.6	286	<0.1	0.3	<0.1	303	6.71
2620163	Drill Core	4.10	0.026	0.3	238.4	1.4	46	<0.1	37.3	42.3	1255	8.34	5	0.4	0.6	250	<0.1	0.2	<0.1	361	6.93
2620164	Drill Core	3.73	0.039	0.2	745.1	1.1	47	0.1	37.9	50.9	1233	8.89	4	0.4	0.5	333	<0.1	0.3	<0.1	359	6.37
2620165	Drill Core	4.07	0.021	0.2	181.7	1.0	43	<0.1	44.1	51.5	1147	8.47	3	0.6	0.6	480	<0.1	0.8	<0.1	305	6.12
2620166	Drill Core	3.59	0.018	0.2	199.5	1.0	48	<0.1	40.1	37.1	1227	7.62	2	0.4	0.6	360	<0.1	0.4	<0.1	301	6.43
2620167	Drill Core	4.60	0.035	0.2	523.9	1.1	44	<0.1	38.5	49.5	1088	8.41	4	0.6	0.6	445	<0.1	0.5	<0.1	320	5.97
2620168	Drill Core	4.27	0.180	0.3	1984.6	1.3	34	0.2	55.9	72.3	883	10.59	3	0.7	0.7	250	<0.1	0.2	<0.1	330	5.64
2620169	Drill Core	4.49	0.039	1.0	680.4	1.0	18	<0.1	13.8	31.3	512	7.33	3	1.7	1.4	413	<0.1	0.5	<0.1	243	4.65
2620170	Drill Core	4.25	0.059	0.3	787.6	1.5	15	0.1	12.2	26.4	467	7.16	4	1.6	1.5	351	<0.1	0.4	<0.1	253	5.59

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620141	Drill Core	0.120	4.2	109	3.00	198	0.423	6.60	2.165	1.07	4.0	22.0	13	1.4	14.3	1.2	<0.1	<1	28	12.1	2.9
2620142	Drill Core	0.164	5.7	98	3.09	672	0.500	7.91	2.668	1.28	0.5	26.5	16	1.0	16.6	1.5	<0.1	<1	30	10.3	1.3
2620143	Drill Core	0.116	3.5	142	2.94	409	0.439	6.94	1.532	2.09	0.4	24.4	12	1.1	13.6	1.3	<0.1	<1	28	15.1	1.5
2620144	Drill Core	0.051	2.5	107	1.63	797	0.308	7.77	0.877	1.20	0.7	16.5	8	1.3	7.8	0.8	<0.1	<1	20	12.1	1.5
2620145	Drill Core	0.082	3.7	114	2.60	262	0.379	7.60	2.140	0.47	0.6	24.0	12	1.2	12.9	1.1	<0.1	<1	27	13.8	0.6
2620146	Drill Core	0.101	4.7	140	3.93	107	0.397	7.81	3.050	0.43	0.3	30.7	13	0.7	13.2	1.3	<0.1	<1	32	11.5	0.5
2620147	Drill Core	0.087	4.6	109	3.75	185	0.437	7.71	2.965	0.57	0.3	29.6	13	0.6	12.4	1.1	<0.1	<1	28	11.2	0.4
2620148	Drill Core	0.095	4.8	102	3.59	147	0.544	7.86	2.862	0.46	0.6	28.5	14	0.8	12.1	1.0	<0.1	<1	28	11.9	0.5
2620149	Drill Core	0.084	4.6	136	4.03	231	0.451	7.89	3.003	0.62	0.2	30.8	13	0.7	14.0	1.3	<0.1	<1	32	10.2	0.3
2620150	Drill Core	0.083	4.4	113	3.73	237	0.433	8.06	3.050	0.65	0.2	29.5	12	0.7	13.6	1.2	<0.1	<1	29	9.1	0.4
2620151	Drill Core	0.088	5.2	178	4.26	180	0.460	7.28	2.685	0.51	0.2	31.6	14	0.8	15.5	1.4	<0.1	<1	33	9.9	0.3
2620152	Drill Core	0.084	6.2	106	3.63	192	0.432	7.48	2.850	0.56	0.2	28.6	14	1.0	13.8	1.2	<0.1	<1	28	9.8	0.4
2620153	Drill Core	0.094	9.5	91	3.08	111	0.411	7.62	2.476	0.38	0.4	24.5	18	1.0	11.8	1.1	<0.1	<1	25	11.1	1.4
2620154	Drill Core	0.115	5.0	111	3.27	250	0.420	8.29	2.919	0.76	0.2	27.4	13	0.6	13.0	1.2	<0.1	<1	27	9.5	0.3
2620155	Drill Core	0.085	4.7	68	3.43	166	0.451	7.71	3.133	0.47	0.2	28.4	13	0.6	13.9	1.2	<0.1	<1	29	12.9	0.3
2620156	Drill Core	0.075	4.5	91	3.38	267	0.413	8.05	3.012	0.66	0.2	25.4	12	0.5	11.6	1.1	<0.1	<1	25	9.7	0.2
2620157	Drill Core	0.045	5.8	151	4.14	214	0.435	7.66	2.751	0.59	0.2	28.1	13	0.7	14.1	1.1	<0.1	<1	33	12.2	0.4
2620158	Drill Core	0.075	4.7	128	4.03	232	0.436	7.91	3.025	0.61	0.2	26.9	12	0.6	13.4	1.0	<0.1	<1	32	13.1	0.2
2620159	Drill Core	0.096	5.2	87	3.89	213	0.488	8.59	3.016	0.56	0.2	30.1	15	0.9	15.6	1.3	<0.1	<1	33	12.9	0.3
2620160	Drill Core	0.085	4.6	88	3.45	248	0.420	8.13	2.997	0.61	0.2	25.4	12	0.6	11.8	1.0	<0.1	<1	30	12.5	0.1
2620161	Drill Core	0.069	4.6	152	4.38	231	0.392	7.62	2.785	0.58	0.1	28.6	11	0.5	13.1	0.8	<0.1	<1	38	15.4	0.1
2620162	Drill Core	0.070	4.6	114	3.98	133	0.419	7.65	2.753	0.39	0.2	27.1	12	0.5	11.4	0.8	<0.1	<1	37	14.1	0.1
2620163	Drill Core	0.058	4.6	95	4.14	121	0.472	7.70	2.655	0.37	0.2	29.8	12	0.7	12.7	0.9	<0.1	<1	42	17.0	0.2
2620164	Drill Core	0.071	4.8	78	4.53	191	0.469	7.36	2.570	0.53	0.2	27.6	12	0.7	12.5	0.9	<0.1	<1	44	12.8	0.3
2620165	Drill Core	0.079	5.4	75	3.38	187	0.410	7.80	2.691	0.56	0.4	25.8	12	0.7	11.8	0.9	<0.1	<1	35	13.2	0.3
2620166	Drill Core	0.069	4.2	79	3.55	228	0.384	8.03	2.780	0.67	0.2	26.4	10	0.6	11.5	0.8	<0.1	<1	32	12.7	0.1
2620167	Drill Core	0.073	4.3	62	3.79	262	0.438	8.02	2.704	0.69	0.3	28.3	11	0.6	11.6	1.0	<0.1	<1	34	13.0	0.3
2620168	Drill Core	0.058	3.9	177	4.07	192	0.455	7.20	2.594	0.49	0.3	27.2	12	1.2	13.7	1.0	<0.1	<1	36	11.1	0.8
2620169	Drill Core	0.137	4.9	15	2.55	174	0.389	8.21	3.931	0.47	0.2	39.1	15	1.1	12.8	1.6	<0.1	<1	20	13.7	0.2
2620170	Drill Core	0.142	5.0	9	2.46	113	0.392	8.55	3.998	0.33	0.1	43.0	14	1.0	13.6	1.7	<0.1	<1	20	13.4	0.2

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620141	Drill Core	21.4	0.9	0.09	0.099	2	0.5	<0.5	
2620142	Drill Core	30.4	1.0	0.09	0.015	2	0.7	<0.5	
2620143	Drill Core	43.8	0.9	0.11	0.025	2	0.9	<0.5	
2620144	Drill Core	24.4	0.6	0.16	0.057	2	1.1	<0.5	
2620145	Drill Core	12.3	0.9	0.11	0.027	1	0.6	<0.5	
2620146	Drill Core	11.2	1.2	0.06	0.009	1	1.5	<0.5	
2620147	Drill Core	13.6	1.0	<0.05	<0.005	<1	1.0	<0.5	
2620148	Drill Core	13.2	1.0	0.06	0.008	<1	<0.5	<0.5	
2620149	Drill Core	15.1	1.1	0.08	<0.005	<1	1.5	<0.5	
2620150	Drill Core	17.3	1.1	0.09	0.006	<1	1.3	<0.5	
2620151	Drill Core	11.8	1.3	0.07	0.006	<1	1.6	<0.5	
2620152	Drill Core	15.5	1.0	0.12	0.026	1	0.6	<0.5	
2620153	Drill Core	12.2	0.9	0.12	0.010	2	1.0	<0.5	
2620154	Drill Core	22.1	1.1	0.07	<0.005	<1	0.6	<0.5	
2620155	Drill Core	9.4	1.1	0.06	<0.005	<1	1.0	<0.5	
2620156	Drill Core	10.8	1.0	<0.05	0.007	<1	1.0	<0.5	
2620157	Drill Core	15.0	1.2	0.07	0.049	1	1.5	<0.5	
2620158	Drill Core	10.4	1.1	0.06	<0.005	<1	1.8	<0.5	
2620159	Drill Core	10.4	1.2	0.09	0.005	<1	1.4	<0.5	
2620160	Drill Core	11.5	1.0	0.07	<0.005	<1	1.4	<0.5	
2620161	Drill Core	15.8	1.0	0.07	<0.005	<1	1.4	<0.5	
2620162	Drill Core	10.0	1.0	<0.05	<0.005	<1	2.2	<0.5	
2620163	Drill Core	10.2	1.0	<0.05	<0.005	<1	2.5	<0.5	
2620164	Drill Core	13.8	0.9	0.06	<0.005	<1	1.7	<0.5	
2620165	Drill Core	13.5	1.0	0.15	0.006	<1	0.9	<0.5	
2620166	Drill Core	17.3	0.9	0.06	<0.005	<1	0.9	<0.5	
2620167	Drill Core	16.1	0.9	<0.05	<0.005	<1	1.8	<0.5	
2620168	Drill Core	11.3	0.9	0.07	0.035	1	1.8	<0.5	
2620169	Drill Core	10.1	1.5	<0.05	0.011	<1	0.7	<0.5	
2620170	Drill Core	6.2	1.5	<0.05	0.006	<1	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620171	Drill Core	3.61	0.115	0.1	1394.8	1.0	37	0.1	50.2	49.9	1062	9.51	3	0.7	0.6	395	<0.1	0.8	<0.1	273	5.52
2620172	Drill Core	3.67	0.365	0.2	6699.0	1.4	47	0.4	76.2	149.9	1334	13.11	2	0.9	0.7	274	<0.1	0.6	<0.1	286	5.18
2620173	Drill Core	3.87	0.583	0.1	6718.2	1.0	43	0.4	80.0	132.8	1077	11.61	3	0.5	0.5	327	<0.1	0.2	<0.1	335	5.99
2620174	Drill Core	2.38	0.419	0.1	8956.5	1.9	48	0.5	80.4	125.3	1242	12.14	<1	0.5	0.5	250	<0.1	0.4	<0.1	256	4.97
2620175	Rock Pulp	0.09	1.423	389.2	2998.7	65.2	59	33.1	21.0	9.1	441	2.74	20	1.1	1.1	528	<0.1	77.0	2.1	39	1.67
2620176	Drill Core	2.49	0.904	<0.1	>10000	3.4	39	1.2	158.8	341.9	1087	16.90	1	0.5	0.5	248	0.1	1.3	0.2	267	6.60
2620177	Drill Core	2.35	1.048	0.2	4220.1	1.3	34	0.3	46.4	41.1	956	10.05	2	0.7	0.9	416	<0.1	1.1	<0.1	319	6.59
2620178	Drill Core	2.58	0.156	0.3	1759.3	1.6	46	0.2	61.5	56.7	1263	9.14	2	0.6	0.5	469	<0.1	1.3	<0.1	284	6.88
2620179	Drill Core	2.42	0.549	0.2	8518.2	2.5	47	0.6	97.2	141.8	1479	14.19	2	1.0	0.5	544	<0.1	2.6	<0.1	344	7.60
2620180	Drill Core	2.68	0.615	0.7	>10000	2.4	51	1.1	122.6	177.0	1545	14.89	<1	0.8	0.6	270	<0.1	0.9	<0.1	360	5.56
2620181	Drill Core	2.28	0.759	<0.1	9637.6	2.2	41	0.7	92.9	204.4	1273	12.45	3	1.3	1.1	361	<0.1	1.1	0.1	200	4.29
2620182	Drill Core	1.68	0.642	0.5	>10000	1.8	24	0.7	99.0	136.9	680	12.01	8	1.2	1.2	364	<0.1	0.7	<0.1	266	6.52
2620183	Drill Core	2.32	1.053	4.0	>10000	3.3	56	1.1	217.2	364.6	1824	20.09	82	0.5	0.6	312	0.1	1.1	0.2	375	5.45
2620184	Drill Core	2.99	0.245	0.3	4093.3	1.5	41	0.2	57.2	79.6	1046	8.84	2	0.8	1.0	320	0.1	0.3	<0.1	345	5.72
2620185	Drill Core	4.68	0.319	0.1	6736.1	1.5	46	0.5	74.1	131.9	1176	10.25	2	0.8	0.8	274	<0.1	0.6	<0.1	379	6.00
2620186	Drill Core	3.84	0.226	0.3	4591.7	1.5	47	0.4	86.8	128.0	1290	10.33	1	0.7	0.5	294	<0.1	0.9	<0.1	300	7.09
2620187	Drill Core	3.55	0.156	0.2	2588.0	1.4	43	0.2	71.0	78.6	1257	10.00	3	0.6	0.5	264	<0.1	0.7	<0.1	273	8.24
2620188	Drill Core	2.74	0.090	0.5	1627.8	1.2	45	0.2	62.6	50.7	1151	8.26	3	0.6	0.5	297	0.1	0.4	<0.1	267	7.10
2620189	Drill Core	2.97	0.036	0.8	578.7	1.2	46	<0.1	64.0	47.4	1229	8.10	3	0.5	0.5	311	<0.1	0.6	<0.1	255	7.79
2620190	Drill Core	4.10	0.117	0.5	2125.0	1.5	44	0.2	71.2	55.2	1283	9.90	4	0.5	0.5	297	<0.1	0.6	<0.1	309	8.36
2620191	Drill Core	3.36	0.142	5.4	2597.4	1.5	43	0.2	95.6	177.3	1186	12.77	2	0.8	0.6	310	<0.1	0.4	<0.1	284	5.93
2620192	Drill Core	3.84	0.150	1.1	2210.6	1.9	47	0.2	72.8	58.3	1296	9.58	3	0.5	0.6	322	<0.1	1.4	<0.1	271	6.43
2620193	Drill Core	3.46	0.135	0.5	1724.8	1.1	50	0.2	83.0	94.9	1362	10.38	2	0.5	0.6	313	0.2	0.2	<0.1	305	7.12
2620194	Drill Core	3.58	0.190	1.2	2754.1	1.0	44	0.2	80.4	70.2	1245	11.92	2	0.5	0.6	270	<0.1	0.4	<0.1	311	6.47
2620195	Drill Core	3.51	0.179	0.4	2279.6	1.1	40	0.2	64.7	71.8	991	9.49	1	0.6	0.7	278	<0.1	0.1	<0.1	329	6.66
2620196	Drill Core	3.09	0.794	0.6	8229.5	1.6	35	0.6	103.0	125.7	972	12.67	3	0.6	0.7	294	<0.1	0.7	<0.1	302	5.98
2620197	Drill Core	4.23	0.523	0.1	7351.5	1.1	31	0.5	109.5	115.0	786	18.70	3	0.6	0.8	184	<0.1	0.1	<0.1	443	5.58
2620198	Drill Core	2.74	1.164	4.9	>10000	2.0	38	1.0	210.6	262.7	998	18.75	9	0.4	0.8	139	<0.1	0.7	<0.1	441	5.87
2620199	Drill Core	1.44	0.611	2.5	>10000	1.8	59	0.6	491.1	278.5	1389	14.60	2	0.2	0.6	112	0.1	0.3	0.1	297	6.54
2620200	Drill Core	1.32	0.764	4.2	>10000	1.8	62	0.7	516.8	324.0	1479	14.49	<1	0.2	0.7	90	<0.1	0.3	0.2	284	6.53

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620171	Drill Core		0.120	3.1	155	3.95	235	0.477	7.85	2.646	0.66	0.4	24.2	10	1.1	13.1	0.7	<0.1	<1	33	13.9	0.5
2620172	Drill Core		0.079	3.3	212	3.75	217	0.504	6.98	2.152	0.66	0.5	26.0	11	1.1	13.4	0.9	<0.1	<1	33	16.1	1.8
2620173	Drill Core		0.100	3.0	192	4.47	235	0.453	6.69	2.106	0.80	0.3	25.8	9	1.4	13.7	0.8	<0.1	<1	40	7.4	1.5
2620174	Drill Core		0.128	2.2	123	3.90	472	0.392	7.11	2.266	1.02	1.0	21.2	7	0.9	11.1	0.7	<0.1	<1	38	13.6	2.2
2620175	Rock Pulp		0.039	6.8	27	0.22	192	0.108	6.60	2.400	2.13	3.5	7.6	15	3.4	3.8	1.5	<0.1	1	2	9.5	1.1
2620176	Drill Core		0.167	2.0	95	3.07	204	0.312	5.97	1.667	0.57	0.4	16.2	7	0.8	10.1	0.6	<0.1	<1	41	11.7	6.4
2620177	Drill Core		0.091	3.8	146	3.95	136	0.423	7.26	2.502	0.53	0.3	26.4	11	1.1	13.2	0.9	<0.1	<1	38	8.4	0.7
2620178	Drill Core		0.098	3.7	164	3.94	186	0.463	7.59	2.356	0.64	0.6	25.6	10	0.8	14.3	0.7	<0.1	<1	37	12.6	0.6
2620179	Drill Core		0.093	6.0	161	3.74	276	0.467	6.78	1.490	0.70	0.5	21.8	13	1.2	14.6	0.6	<0.1	<1	35	12.6	2.1
2620180	Drill Core		0.117	3.1	167	4.10	377	0.538	6.12	1.751	1.32	0.6	22.6	10	1.4	14.5	0.8	<0.1	<1	37	12.9	3.4
2620181	Drill Core		0.068	3.1	131	2.11	208	0.502	7.98	2.588	1.77	0.2	21.9	12	1.1	16.2	1.2	<0.1	1	20	16.5	3.3
2620182	Drill Core		0.046	3.6	179	2.52	306	0.503	6.98	0.937	0.44	0.4	21.7	16	1.5	20.0	1.1	<0.1	<1	22	13.0	2.4
2620183	Drill Core		0.101	2.7	168	4.06	330	0.356	5.88	1.405	0.88	1.1	13.1	8	1.1	11.4	0.5	<0.1	<1	28	20.4	5.4
2620184	Drill Core		0.130	4.3	54	3.61	185	0.481	8.40	2.476	0.88	0.4	19.2	11	0.9	12.4	0.6	<0.1	<1	34	13.7	1.1
2620185	Drill Core		0.145	4.0	74	4.02	96	0.487	7.44	2.672	0.54	0.7	17.0	12	1.4	15.6	0.5	<0.1	<1	38	13.5	2.0
2620186	Drill Core		0.088	4.2	245	4.53	152	0.460	7.18	2.124	0.56	0.5	24.9	11	1.2	15.3	0.8	<0.1	<1	39	14.6	1.6
2620187	Drill Core		0.077	3.7	196	3.81	90	0.506	7.03	1.998	0.35	0.3	23.3	11	0.9	16.1	0.8	<0.1	<1	41	11.3	1.1
2620188	Drill Core		0.096	4.6	146	3.75	192	0.514	7.74	2.378	0.68	0.3	28.0	12	0.9	16.7	1.0	<0.1	<1	40	10.4	0.5
2620189	Drill Core		0.109	4.4	206	4.03	196	0.464	7.39	2.188	0.60	0.2	28.5	12	0.7	14.9	0.8	<0.1	<1	39	11.3	0.3
2620190	Drill Core		0.106	4.6	169	3.72	202	0.498	7.01	2.042	0.60	0.3	26.0	12	0.8	14.3	0.7	<0.1	<1	38	9.3	0.7
2620191	Drill Core		0.125	3.6	157	3.72	272	0.455	7.06	2.222	0.72	0.4	24.7	10	1.1	15.0	0.9	<0.1	<1	34	11.0	1.7
2620192	Drill Core		0.083	4.2	161	3.82	175	0.494	7.36	2.264	0.52	0.3	26.4	11	0.7	14.3	0.8	<0.1	<1	38	13.6	0.6
2620193	Drill Core		0.123	3.7	199	4.56	267	0.521	7.19	2.190	0.77	0.3	26.5	11	0.9	16.6	0.9	<0.1	<1	43	10.8	0.9
2620194	Drill Core		0.104	3.0	180	4.05	201	0.466	6.96	2.147	0.61	0.4	19.9	9	0.8	13.5	0.7	<0.1	<1	38	10.6	0.8
2620195	Drill Core		0.112	3.0	89	3.89	196	0.523	7.83	2.376	0.76	0.4	19.0	9	0.8	14.3	0.7	<0.1	<1	40	10.1	0.8
2620196	Drill Core		0.111	2.6	119	3.58	353	0.433	6.58	1.993	0.74	0.4	15.6	9	1.0	12.4	0.6	<0.1	<1	37	10.0	2.5
2620197	Drill Core		0.101	2.3	468	4.77	326	0.371	5.44	1.830	0.64	0.2	17.9	8	1.5	12.1	0.8	<0.1	<1	36	6.9	1.8
2620198	Drill Core		0.092	3.5	409	5.25	213	0.339	4.58	1.184	0.53	5.2	16.9	10	2.1	11.4	0.8	<0.1	1	32	8.1	4.2
2620199	Drill Core		0.105	4.7	824	7.56	71	0.291	4.69	0.566	0.27	1.3	13.8	10	1.2	7.7	0.5	<0.1	<1	33	23.0	4.4
2620200	Drill Core		0.097	6.2	830	7.60	49	0.280	4.35	0.439	0.20	1.3	11.2	11	0.9	7.0	0.6	<0.1	<1	33	21.6	5.0

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620171	Drill Core	14.9	0.8	0.06	0.010	<1	0.8	<0.5	
2620172	Drill Core	16.6	1.0	0.06	<0.005	4	0.9	<0.5	
2620173	Drill Core	20.3	1.0	0.10	0.008	4	1.1	<0.5	
2620174	Drill Core	19.8	0.8	0.07	0.012	5	<0.5	<0.5	
2620175	Rock Pulp	38.9	0.4	<0.05	0.193	<1	9.9	<0.5	
2620176	Drill Core	8.7	0.7	0.07	0.061	16	0.5	<0.5	1.55
2620177	Drill Core	15.0	1.0	0.08	<0.005	<1	<0.5	<0.5	
2620178	Drill Core	17.2	1.0	0.12	0.005	<1	<0.5	<0.5	
2620179	Drill Core	13.0	0.9	0.22	0.029	6	<0.5	<0.5	
2620180	Drill Core	26.5	0.9	0.10	0.032	8	<0.5	<0.5	1.40
2620181	Drill Core	36.8	0.9	0.06	0.019	6	<0.5	<0.5	
2620182	Drill Core	10.1	0.9	<0.05	0.023	7	<0.5	<0.5	1.12
2620183	Drill Core	19.0	0.5	0.15	0.063	11	<0.5	<0.5	1.45
2620184	Drill Core	28.1	0.7	0.11	0.009	2	<0.5	<0.5	
2620185	Drill Core	15.7	0.6	0.16	0.043	4	<0.5	<0.5	
2620186	Drill Core	14.2	1.0	0.12	0.018	2	<0.5	<0.5	
2620187	Drill Core	8.9	0.9	0.09	0.005	2	<0.5	<0.5	
2620188	Drill Core	17.7	0.9	0.09	<0.005	1	<0.5	<0.5	
2620189	Drill Core	16.5	1.0	0.06	<0.005	<1	<0.5	<0.5	
2620190	Drill Core	16.1	1.0	0.08	<0.005	1	0.6	<0.5	
2620191	Drill Core	19.4	0.9	0.08	0.091	4	<0.5	<0.5	
2620192	Drill Core	12.2	0.9	0.07	0.007	2	<0.5	<0.5	
2620193	Drill Core	17.9	1.0	0.09	0.009	2	<0.5	<0.5	
2620194	Drill Core	15.4	0.7	0.07	0.007	2	<0.5	<0.5	
2620195	Drill Core	22.6	0.7	<0.05	0.007	1	<0.5	<0.5	
2620196	Drill Core	15.7	0.5	<0.05	0.051	4	<0.5	<0.5	
2620197	Drill Core	12.1	0.6	0.06	0.252	3	<0.5	<0.5	
2620198	Drill Core	9.3	0.5	0.19	0.531	11	<0.5	<0.5	1.57
2620199	Drill Core	5.8	0.4	0.14	0.039	10	1.0	<0.5	1.05
2620200	Drill Core	4.2	0.5	0.11	0.054	13	0.9	<0.5	1.10

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620201	Drill Core	3.94	0.374	0.8	5023.5	1.4	46	0.3	63.2	54.8	1065	10.20	2	0.7	0.9	424	0.1	0.3	<0.1	374	6.71
2620202	Drill Core	3.49	0.655	0.7	6963.8	1.5	41	0.3	95.1	77.3	886	11.30	2	0.8	0.9	439	0.1	0.2	<0.1	376	6.39
2620203	Drill Core	3.76	1.007	0.2	>10000	1.8	43	0.7	88.1	103.7	828	9.76	2	0.7	0.9	429	0.1	0.1	<0.1	333	6.12
2620204	Drill Core	4.70	0.443	0.7	6132.5	1.1	45	0.4	79.6	99.3	942	11.27	2	0.7	0.9	353	<0.1	0.2	<0.1	349	6.03
2620205	Drill Core	2.28	0.292	0.5	5851.3	1.6	31	0.5	109.2	151.8	736	19.40	3	0.8	1.1	247	<0.1	0.2	<0.1	341	5.12
2620206	Drill Core	3.69	0.705	0.3	>10000	2.4	44	0.9	153.1	207.2	913	16.67	2	0.8	0.8	240	<0.1	0.6	0.2	395	4.84
2620207	Drill Core	2.82	0.284	<0.1	4396.4	1.3	37	0.4	77.6	85.8	951	10.71	3	0.7	0.8	287	<0.1	1.2	<0.1	309	6.38
2620208	Drill Core	4.21	0.206	0.5	2945.4	1.1	42	0.3	44.4	56.6	1203	9.95	2	0.8	0.9	428	<0.1	0.7	<0.1	338	6.00
2620209	Drill Core	4.14	0.513	1.5	6765.6	2.8	39	0.7	99.5	225.6	1105	14.52	6	0.9	0.7	469	<0.1	1.8	<0.1	369	6.70
2620210	Drill Core	4.64	0.615	0.6	9457.9	1.8	40	0.8	85.6	118.7	1125	14.79	2	0.8	0.8	299	<0.1	0.8	<0.1	354	6.10
2620211	Drill Core	3.64	0.276	0.9	3978.3	1.4	36	0.4	53.7	148.0	955	11.04	4	0.7	0.8	487	<0.1	0.9	<0.1	275	6.66
2620212	Drill Core	4.36	0.186	0.9	3067.6	1.2	31	0.2	38.4	61.6	683	8.25	3	0.7	0.8	469	<0.1	0.5	<0.1	261	5.23
2620213	Drill Core	3.14	0.370	0.4	5690.8	1.6	30	0.4	57.9	79.9	672	8.70	17	0.7	0.8	332	<0.1	0.3	<0.1	275	6.11
2620214	Drill Core	2.92	0.128	0.2	2348.5	1.0	25	0.1	35.1	34.5	597	7.85	6	0.6	0.7	278	<0.1	0.2	<0.1	251	5.89
2620215	Drill Core	3.77	0.214	0.5	3556.6	1.0	26	0.2	51.3	68.1	650	8.64	6	0.6	0.8	333	<0.1	0.3	<0.1	263	6.50
2620216	Drill Core	3.19	0.716	0.3	9608.5	1.6	25	0.5	88.9	95.7	513	8.44	7	0.6	0.7	379	<0.1	0.2	<0.1	299	5.93
2620217	Rock Pulp	0.30	0.014	6.4	56.9	6.3	60	0.1	42.5	13.0	776	4.09	6	0.8	1.9	283	0.2	1.1	<0.1	121	2.86
2620218	Drill Core	2.85	0.854	0.3	>10000	2.6	30	0.8	81.9	103.7	542	11.14	8	0.6	0.7	341	<0.1	0.5	<0.1	291	5.21
2620219	Drill Core	3.67	0.902	0.8	>10000	2.0	29	0.8	87.6	144.9	547	9.35	2	0.8	0.8	392	<0.1	0.6	<0.1	256	5.47
2620220	Drill Core	2.10	0.222	<0.1	4505.3	1.0	22	0.3	44.7	111.0	502	11.20	6	1.1	1.2	237	<0.1	0.6	<0.1	250	3.83
2620221	Drill Core	2.77	0.229	0.3	1927.1	1.6	22	0.2	32.4	63.0	853	7.35	6	0.8	0.9	459	<0.1	1.3	<0.1	237	7.64
2620222	Drill Core	3.43	0.317	0.1	2902.4	1.4	28	0.3	38.5	58.8	694	9.01	9	0.7	0.9	336	<0.1	0.9	<0.1	284	5.01
2620223	Drill Core	3.01	0.093	0.2	1531.1	1.0	25	0.2	29.9	50.3	679	7.39	4	0.8	1.0	377	<0.1	0.6	<0.1	261	5.57
2620224	Drill Core	4.20	0.415	0.2	5913.4	1.5	30	0.4	100.3	203.5	875	10.87	8	0.7	0.9	387	<0.1	1.0	<0.1	310	6.04
2620225	Rock Pulp	0.30	1.300	688.3	7181.5	2760.9	773	16.8	30.1	16.3	1215	5.52	21	0.7	2.6	228	6.1	14.5	0.8	98	2.11
2620226	Drill Core	3.44	0.286	0.3	3456.1	1.4	31	0.3	35.5	76.9	751	8.64	8	1.0	1.1	398	<0.1	0.8	<0.1	311	5.93
2620227	Drill Core	3.50	1.865	0.3	5497.4	2.4	30	0.6	91.6	162.2	710	11.38	11	0.9	1.1	447	<0.1	0.9	0.1	353	5.54
2620228	Drill Core	2.82	0.132	0.2	1498.6	1.1	28	0.1	37.9	82.3	657	7.48	2	0.8	1.1	336	<0.1	0.2	<0.1	262	5.75
2620229	Drill Core	3.85	0.163	0.2	1425.0	1.1	26	<0.1	39.7	47.7	592	6.50	<1	0.7	0.8	419	<0.1	0.2	<0.1	239	4.75
2620230	Drill Core	4.09	0.146	0.1	1853.0	1.0	23	0.2	36.1	46.9	576	6.85	2	0.8	0.8	452	<0.1	0.2	<0.1	245	5.09

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Client: **Terracad Geoscience Services Ltd.**
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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620201	Drill Core		0.159	6.1	61	3.44	199	0.505	8.23	2.224	0.87	0.4	27.6	18	1.1	14.4	1.4	<0.1	<1	39	9.5	0.9
2620202	Drill Core		0.174	6.1	59	3.32	204	0.443	8.02	2.228	0.82	0.3	26.8	17	0.9	13.0	1.3	<0.1	<1	35	9.1	1.3
2620203	Drill Core		0.142	5.6	55	3.16	203	0.472	8.11	2.269	0.89	0.2	28.1	17	1.0	13.2	1.3	<0.1	<1	37	7.9	2.1
2620204	Drill Core		0.146	5.9	63	3.34	408	0.494	7.92	2.122	0.92	0.2	27.4	17	0.9	14.0	1.4	<0.1	<1	38	9.8	1.4
2620205	Drill Core		0.106	2.8	80	3.29	490	0.365	6.65	1.858	0.98	0.3	23.1	10	0.9	11.6	0.9	<0.1	<1	34	12.0	1.9
2620206	Drill Core		0.145	3.3	49	3.25	239	0.444	7.00	1.937	0.77	0.6	22.9	11	1.1	13.3	1.3	<0.1	<1	33	14.9	4.1
2620207	Drill Core		0.157	6.2	50	2.64	200	0.468	7.54	2.216	0.47	0.6	24.9	17	1.0	14.8	1.5	<0.1	<1	35	10.9	1.3
2620208	Drill Core		0.160	5.7	53	3.30	307	0.552	8.33	2.528	0.87	0.4	31.9	17	1.0	18.1	1.5	<0.1	<1	40	9.3	0.7
2620209	Drill Core		0.140	5.9	39	2.93	277	0.495	7.48	1.883	0.93	0.8	24.7	15	1.2	16.4	1.4	<0.1	<1	33	11.8	2.8
2620210	Drill Core		0.140	4.7	48	2.84	261	0.482	7.17	2.040	0.95	0.6	25.0	14	1.2	15.4	1.4	<0.1	<1	33	12.2	2.4
2620211	Drill Core		0.123	4.9	27	2.60	221	0.472	7.97	2.433	0.67	0.5	24.3	14	1.0	15.6	1.2	<0.1	<1	27	11.1	1.8
2620212	Drill Core		0.126	4.0	23	2.44	173	0.491	8.73	3.406	0.74	0.4	25.4	12	1.0	12.9	1.2	<0.1	<1	22	10.2	0.8
2620213	Drill Core		0.130	4.9	21	2.24	145	0.457	8.25	2.936	0.58	0.7	24.2	13	1.0	13.5	1.0	<0.1	<1	23	7.7	1.4
2620214	Drill Core		0.107	4.1	14	2.15	141	0.453	8.41	3.476	0.62	0.7	23.8	11	0.8	12.5	1.0	<0.1	<1	21	6.6	0.5
2620215	Drill Core		0.091	3.9	13	1.89	141	0.411	8.01	2.927	0.61	0.7	20.2	11	0.6	11.7	1.0	<0.1	<1	19	7.6	1.0
2620216	Drill Core		0.108	4.0	12	1.92	182	0.434	8.25	3.128	0.74	0.7	22.1	11	1.1	13.4	1.1	<0.1	<1	20	7.2	2.1
2620217	Rock Pulp		0.065	8.8	55	1.33	506	0.360	5.85	2.057	0.91	0.8	35.8	20	1.3	14.7	3.7	0.2	<1	14	16.2	<0.1
2620218	Drill Core		0.117	3.9	9	2.12	123	0.424	8.11	3.034	0.54	1.1	20.8	11	1.0	13.2	0.9	<0.1	<1	19	8.9	2.7
2620219	Drill Core		0.113	4.4	8	2.09	137	0.438	8.44	3.247	0.59	0.6	21.6	13	1.1	13.6	1.0	<0.1	<1	19	9.0	3.5
2620220	Drill Core		0.116	3.9	2	1.97	25	0.378	8.02	4.281	0.07	0.3	38.2	11	0.9	11.5	1.4	<0.1	<1	19	12.9	1.3
2620221	Drill Core		0.103	5.3	10	1.83	92	0.432	8.27	3.414	0.48	0.4	24.2	14	0.9	15.4	1.0	<0.1	<1	19	8.0	0.9
2620222	Drill Core		0.105	4.3	18	2.30	106	0.471	8.37	3.284	0.47	0.4	25.2	12	0.9	12.7	0.9	<0.1	<1	24	10.2	0.9
2620223	Drill Core		0.103	4.4	20	2.32	172	0.495	8.84	3.389	0.74	0.2	29.3	13	1.1	14.8	1.0	<0.1	<1	26	8.3	0.6
2620224	Drill Core		0.105	3.8	20	2.39	96	0.448	8.06	2.860	0.47	0.3	25.6	11	1.1	13.0	1.0	<0.1	<1	24	10.9	2.9
2620225	Rock Pulp		0.072	9.4	43	1.09	109	0.253	6.67	1.582	1.78	2.2	13.4	21	3.1	10.5	3.4	0.2	<1	11	22.1	2.8
2620226	Drill Core		0.108	7.0	32	2.70	126	0.509	8.62	3.440	0.54	0.3	33.3	17	1.0	15.9	1.3	<0.1	<1	30	8.7	1.4
2620227	Drill Core		0.100	5.0	28	2.66	127	0.476	8.25	3.116	0.55	0.4	28.5	14	1.0	14.2	1.1	<0.1	<1	28	10.0	4.1
2620228	Drill Core		0.102	6.0	25	2.70	147	0.494	8.49	3.250	0.58	0.2	27.5	15	0.8	14.2	1.2	<0.1	<1	27	10.5	1.0
2620229	Drill Core		0.106	4.5	19	2.50	181	0.475	8.57	3.393	0.71	0.2	25.2	12	0.8	12.8	1.0	<0.1	<1	22	9.9	0.7
2620230	Drill Core		0.109	4.0	15	2.47	233	0.500	8.77	3.319	0.91	0.2	25.8	12	0.9	12.9	1.1	<0.1	<1	21	8.8	0.6

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620201	Drill Core	22.6	1.0	0.11	0.012	2	<0.5	<0.5	
2620202	Drill Core	20.8	0.9	0.13	0.019	5	<0.5	<0.5	
2620203	Drill Core	23.4	1.0	0.09	0.025	4	<0.5	<0.5	1.15
2620204	Drill Core	23.2	1.0	<0.05	0.070	5	<0.5	<0.5	
2620205	Drill Core	24.5	0.9	0.08	0.070	5	<0.5	<0.5	
2620206	Drill Core	16.9	0.9	0.12	0.111	10	<0.5	<0.5	1.34
2620207	Drill Core	11.7	1.0	0.10	0.046	2	<0.5	<0.5	
2620208	Drill Core	23.5	1.0	0.08	0.013	<1	<0.5	<0.5	
2620209	Drill Core	19.8	1.0	0.21	0.081	6	<0.5	<0.5	
2620210	Drill Core	19.3	1.0	0.07	0.037	7	<0.5	<0.5	
2620211	Drill Core	17.8	0.9	0.05	0.039	3	<0.5	<0.5	
2620212	Drill Core	15.8	0.9	<0.05	0.066	2	<0.5	<0.5	
2620213	Drill Core	16.8	1.0	<0.05	0.022	5	<0.5	<0.5	
2620214	Drill Core	15.2	0.8	0.07	0.013	1	<0.5	<0.5	
2620215	Drill Core	18.2	0.6	<0.05	0.039	2	<0.5	<0.5	
2620216	Drill Core	21.3	0.8	<0.05	0.012	5	<0.5	<0.5	
2620217	Rock Pulp	21.6	1.2	<0.05	0.006	<1	<0.5	<0.5	
2620218	Drill Core	15.4	0.8	0.10	0.012	8	<0.5	<0.5	1.55
2620219	Drill Core	15.1	0.9	0.12	0.024	9	<0.5	<0.5	1.51
2620220	Drill Core	1.4	1.4	0.05	<0.005	2	<0.5	<0.5	
2620221	Drill Core	13.7	0.9	<0.05	0.007	3	<0.5	<0.5	
2620222	Drill Core	13.7	0.9	0.05	0.009	2	<0.5	<0.5	
2620223	Drill Core	22.5	1.2	<0.05	0.006	1	<0.5	<0.5	
2620224	Drill Core	13.8	0.8	<0.05	0.010	6	<0.5	<0.5	
2620225	Rock Pulp	48.1	0.4	0.09	0.384	2	<0.5	0.9	
2620226	Drill Core	15.4	1.3	0.07	<0.005	1	<0.5	<0.5	
2620227	Drill Core	16.1	1.0	0.12	0.022	6	<0.5	<0.5	
2620228	Drill Core	16.4	0.9	0.05	<0.005	2	<0.5	<0.5	
2620229	Drill Core	17.2	0.8	0.06	<0.005	2	<0.5	<0.5	
2620230	Drill Core	19.4	0.8	<0.05	0.008	2	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620231	Drill Core	4.21	0.126	7.4	1125.2	0.8	21	<0.1	38.8	52.0	571	11.89	4	0.7	0.6	383	<0.1	0.3	<0.1	413	5.45
2620232	Drill Core	3.23	0.053	0.2	744.9	0.9	31	<0.1	26.9	27.0	748	7.78	1	0.7	0.6	397	<0.1	<0.1	<0.1	289	5.78
2620233	Drill Core	2.99	0.047	0.9	711.1	0.6	33	<0.1	40.1	28.5	883	12.20	3	0.7	0.8	287	0.2	<0.1	<0.1	413	5.07
2620234	Drill Core	3.21	0.541	0.7	4722.9	1.8	33	0.7	73.1	96.5	1067	16.84	7	0.5	0.5	281	<0.1	0.5	<0.1	514	6.86
2620235	Drill Core	4.29	0.082	1.3	673.3	1.0	31	<0.1	37.2	41.8	993	10.69	2	0.8	0.8	395	<0.1	0.5	<0.1	400	6.54
2620236	Drill Core	3.76	0.279	1.3	3003.4	1.3	35	0.2	52.9	60.5	1244	16.14	4	0.9	0.8	478	0.2	1.6	<0.1	494	7.05
2620237	Drill Core	3.89	0.053	0.4	700.5	0.9	42	<0.1	35.4	31.0	1208	9.63	3	0.7	0.7	303	<0.1	0.5	<0.1	395	6.99
2620238	Drill Core	3.79	0.028	0.2	309.2	1.0	44	<0.1	29.6	32.0	1176	8.72	2	0.5	0.6	316	<0.1	0.2	<0.1	355	7.80
2620239	Drill Core	3.54	0.151	0.3	1501.9	1.1	39	0.2	44.0	46.6	1050	10.09	<1	0.6	0.5	302	<0.1	0.4	<0.1	394	6.64
2620240	Drill Core	4.28	0.068	0.3	770.5	0.5	33	<0.1	37.8	31.0	899	10.95	1	0.7	0.6	212	<0.1	0.2	<0.1	394	6.49
2620241	Drill Core	4.47	0.106	0.3	1416.3	1.5	44	0.1	52.6	57.5	1375	11.58	1	0.5	0.6	428	0.2	1.4	<0.1	493	7.25
2620242	Drill Core	4.05	0.773	0.2	>10000	2.9	28	0.9	40.8	41.1	1603	12.47	1	1.1	0.6	1191	0.2	6.5	<0.1	438	11.73
2620243	Drill Core	3.89	0.031	0.1	610.6	0.7	48	<0.1	39.9	35.2	1287	12.33	1	0.5	0.4	304	<0.1	0.6	<0.1	576	5.48
2620244	Drill Core	2.70	0.089	0.2	1144.4	1.2	40	<0.1	44.1	41.6	1151	10.64	2	0.5	0.5	304	<0.1	0.6	0.3	447	6.99
2620245	Drill Core	4.10	0.073	0.3	532.6	0.8	39	0.1	60.0	40.6	1152	13.68	2	0.4	0.4	168	<0.1	0.2	<0.1	501	6.22
2620246	Drill Core	3.38	0.062	0.4	919.7	0.9	29	<0.1	54.4	35.7	920	13.61	2	0.4	0.4	200	<0.1	0.3	<0.1	496	6.44
2620247	Drill Core	3.91	0.075	0.5	868.4	1.0	31	<0.1	59.4	41.4	1039	14.62	3	0.4	0.4	227	<0.1	0.2	<0.1	521	6.51
2620248	Drill Core	3.70	0.039	0.3	532.6	0.8	24	<0.1	48.8	37.2	850	12.61	1	0.5	0.5	320	<0.1	0.4	<0.1	449	5.86
2620249	Drill Core	1.87	0.148	3.2	335.8	1.8	25	<0.1	61.9	112.6	1171	15.94	5	0.5	0.6	591	<0.1	2.9	<0.1	542	6.94
2620250	Drill Core	2.22	0.335	3.6	167.7	1.6	24	<0.1	64.1	133.2	1157	15.60	6	0.5	0.6	604	<0.1	2.6	<0.1	537	6.89
2620251	Drill Core	3.50	0.205	2.0	737.2	0.8	27	0.1	57.2	93.2	913	14.44	3	0.4	0.6	291	<0.1	0.8	<0.1	568	5.11
2620252	Drill Core	3.41	0.033	0.4	508.1	0.7	22	<0.1	33.3	26.4	658	9.57	3	0.5	0.9	246	<0.1	0.2	<0.1	428	5.45
2620253	Drill Core	3.19	0.030	0.2	399.1	0.7	16	<0.1	27.4	18.6	496	9.00	2	0.5	0.9	479	<0.1	0.2	<0.1	473	5.47
2620254	Drill Core	3.45	0.070	0.4	381.8	0.7	26	<0.1	63.8	40.5	773	11.91	3	0.4	0.7	207	<0.1	0.2	<0.1	467	6.37
2620255	Drill Core	3.70	0.045	1.0	170.9	1.0	32	<0.1	60.7	48.5	875	9.36	3	0.5	0.6	278	<0.1	0.4	<0.1	373	5.96
2620256	Drill Core	3.84	0.026	0.8	334.7	1.1	30	<0.1	60.3	38.7	889	8.36	5	0.4	0.7	354	<0.1	0.3	<0.1	344	6.19
2620257	Drill Core	3.11	0.042	0.9	378.8	1.4	31	<0.1	42.7	31.9	957	9.68	4	0.6	0.7	528	<0.1	0.7	<0.1	383	5.99
2620258	Drill Core	3.74	0.061	1.7	222.6	0.6	26	<0.1	64.3	46.3	714	14.43	3	0.5	0.7	258	<0.1	<0.1	<0.1	447	4.68
2620259	Drill Core	4.12	0.072	3.7	395.4	0.7	20	<0.1	63.9	38.3	660	14.81	4	0.5	0.8	259	<0.1	0.1	<0.1	441	5.77
2620260	Drill Core	3.50	0.017	0.3	289.4	1.5	38	<0.1	66.9	36.2	872	10.41	8	0.5	0.9	305	<0.1	0.5	<0.1	456	6.69

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Project: Hat
Report Date: January 26, 2015

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620231	Drill Core	0.127	3.2	18	2.61	305	0.408	7.90	3.060	0.72	0.2	19.5	10	0.9	11.6	0.9	<0.1	<1	20	8.6	0.5
2620232	Drill Core	0.099	3.4	27	2.78	184	0.519	8.48	3.031	0.85	0.2	26.1	11	0.8	13.2	1.0	<0.1	<1	23	8.9	0.2
2620233	Drill Core	0.123	3.9	17	2.88	116	0.473	8.00	3.036	0.60	0.3	23.8	12	0.9	13.7	1.1	<0.1	<1	24	11.2	0.2
2620234	Drill Core	0.156	3.5	15	2.51	42	0.349	6.88	2.323	0.23	0.3	17.4	9	0.6	10.8	0.7	<0.1	<1	21	12.6	1.8
2620235	Drill Core	0.150	6.2	24	2.95	191	0.465	7.95	2.565	0.84	0.2	23.0	15	0.7	15.0	1.0	<0.1	<1	28	10.2	0.3
2620236	Drill Core	0.145	4.0	38	2.82	67	0.495	7.17	1.894	0.31	0.4	21.8	13	0.7	13.1	0.8	<0.1	<1	30	13.7	0.8
2620237	Drill Core	0.140	5.6	49	3.37	136	0.586	7.80	2.269	0.69	0.3	25.5	16	0.8	16.6	1.0	<0.1	<1	44	13.7	0.2
2620238	Drill Core	0.177	5.8	51	3.61	203	0.517	8.11	1.977	0.84	0.2	26.3	17	0.7	15.6	0.9	<0.1	<1	40	12.3	<0.1
2620239	Drill Core	0.150	5.0	57	3.57	178	0.545	7.78	2.057	0.81	0.2	23.3	15	0.9	15.7	1.1	<0.1	<1	42	11.9	0.4
2620240	Drill Core	0.142	4.3	56	3.24	120	0.479	7.63	2.384	0.61	0.2	21.6	14	0.8	14.0	0.9	<0.1	<1	36	10.9	0.2
2620241	Drill Core	0.090	4.9	86	4.22	149	0.702	6.83	1.764	0.62	0.2	25.9	16	0.9	18.2	1.4	<0.1	<1	52	11.4	0.6
2620242	Drill Core	0.063	21.6	73	3.00	46	0.593	7.39	0.743	0.21	0.4	20.7	36	0.9	17.5	1.1	<0.1	<1	44	4.8	1.5
2620243	Drill Core	0.028	3.3	46	3.82	351	0.618	7.24	1.795	1.18	0.3	18.5	11	0.8	11.0	1.1	<0.1	<1	34	15.9	0.1
2620244	Drill Core	0.052	4.6	83	3.79	226	0.492	7.65	1.371	0.81	0.3	16.7	12	0.8	10.6	0.8	<0.1	<1	37	15.2	0.2
2620245	Drill Core	0.030	2.6	149	4.40	267	0.448	7.39	1.542	1.10	0.2	14.3	8	0.7	9.7	0.7	<0.1	<1	41	13.4	0.2
2620246	Drill Core	0.087	2.9	121	4.02	148	0.405	7.42	1.764	0.66	0.3	10.6	8	0.9	10.3	0.4	<0.1	<1	37	12.4	0.2
2620247	Drill Core	0.096	2.6	145	4.31	110	0.433	6.96	1.710	0.52	0.3	11.9	8	0.9	11.5	0.5	<0.1	<1	40	11.6	0.3
2620248	Drill Core	0.106	3.2	134	4.07	203	0.460	7.22	1.983	0.77	0.2	10.9	10	0.8	10.8	0.5	<0.1	<1	36	8.8	0.1
2620249	Drill Core	0.125	2.4	112	3.91	97	0.365	6.44	1.483	0.33	0.4	14.8	8	1.5	10.4	0.6	<0.1	<1	33	6.7	1.0
2620250	Drill Core	0.160	2.7	97	3.51	113	0.366	6.71	1.596	0.38	0.4	13.3	8	1.3	9.8	0.5	<0.1	<1	27	7.6	1.1
2620251	Drill Core	0.083	2.6	70	3.24	240	0.392	7.43	2.626	0.67	0.2	15.5	8	1.0	10.7	0.8	<0.1	<1	26	9.6	0.6
2620252	Drill Core	0.091	2.9	59	2.73	203	0.389	8.03	3.122	0.68	0.2	19.4	10	0.9	11.8	1.1	<0.1	<1	27	10.9	0.1
2620253	Drill Core	0.099	2.9	34	2.80	224	0.404	8.27	3.174	0.85	<0.1	21.3	10	1.1	12.3	1.3	<0.1	<1	20	9.1	<0.1
2620254	Drill Core	0.091	3.8	201	4.39	80	0.361	7.26	2.421	0.39	0.1	21.7	10	0.8	10.6	0.9	<0.1	<1	31	9.3	0.1
2620255	Drill Core	0.115	4.0	168	4.34	125	0.388	7.43	2.706	0.54	0.1	22.0	11	0.8	11.6	1.1	<0.1	<1	33	9.9	0.3
2620256	Drill Core	0.082	4.3	134	3.87	167	0.362	7.74	2.811	0.58	0.1	26.2	11	0.8	10.8	1.2	<0.1	<1	30	9.0	0.1
2620257	Drill Core	0.101	4.2	57	3.39	130	0.484	8.35	2.986	0.56	0.1	23.9	12	0.8	12.5	1.0	<0.1	<1	28	8.7	0.2
2620258	Drill Core	0.083	3.3	103	3.00	68	0.334	7.78	3.404	0.33	<0.1	22.2	9	0.7	9.2	0.9	<0.1	<1	21	10.1	0.3
2620259	Drill Core	0.088	3.1	141	3.64	47	0.375	7.12	2.969	0.20	0.1	22.1	10	0.8	11.2	0.9	<0.1	<1	26	6.6	0.2
2620260	Drill Core	0.319	5.7	100	4.65	91	0.369	6.65	2.411	0.38	0.2	24.4	13	0.9	11.8	1.0	<0.1	<1	27	10.7	0.1

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620231	Drill Core	20.3	0.6	0.07	0.038	<1	<0.5	<0.5	
2620232	Drill Core	13.6	0.9	0.05	<0.005	<1	<0.5	<0.5	
2620233	Drill Core	19.3	0.9	<0.05	<0.005	1	<0.5	<0.5	
2620234	Drill Core	7.0	0.6	0.06	<0.005	5	<0.5	<0.5	
2620235	Drill Core	27.6	0.9	<0.05	<0.005	<1	<0.5	<0.5	
2620236	Drill Core	7.7	0.9	<0.05	0.013	1	<0.5	<0.5	
2620237	Drill Core	24.3	1.0	0.13	<0.005	<1	<0.5	<0.5	
2620238	Drill Core	25.3	0.9	0.09	<0.005	<1	<0.5	<0.5	
2620239	Drill Core	22.1	0.9	<0.05	<0.005	<1	<0.5	<0.5	
2620240	Drill Core	20.4	0.8	<0.05	<0.005	<1	<0.5	<0.5	
2620241	Drill Core	20.6	1.0	0.17	<0.005	2	0.7	<0.5	
2620242	Drill Core	5.2	0.8	0.25	0.005	2	<0.5	<0.5	1.04
2620243	Drill Core	33.3	0.7	<0.05	<0.005	<1	<0.5	<0.5	
2620244	Drill Core	32.3	0.7	0.07	<0.005	5	<0.5	<0.5	
2620245	Drill Core	41.6	0.6	<0.05	<0.005	5	<0.5	<0.5	
2620246	Drill Core	28.1	0.5	0.07	<0.005	4	0.7	<0.5	
2620247	Drill Core	18.4	0.4	0.08	0.007	5	<0.5	<0.5	
2620248	Drill Core	20.4	0.5	0.07	0.006	4	<0.5	<0.5	
2620249	Drill Core	7.4	0.6	0.06	0.028	6	<0.5	<0.5	
2620250	Drill Core	8.8	0.5	0.05	0.026	4	<0.5	<0.5	
2620251	Drill Core	20.5	0.7	0.06	0.035	4	<0.5	<0.5	
2620252	Drill Core	25.8	0.7	<0.05	0.007	5	<0.5	<0.5	
2620253	Drill Core	17.3	0.9	<0.05	<0.005	4	<0.5	<0.5	
2620254	Drill Core	12.2	0.8	<0.05	<0.005	3	0.7	<0.5	
2620255	Drill Core	12.3	0.8	0.06	0.009	4	1.0	<0.5	
2620256	Drill Core	11.4	0.9	0.09	<0.005	4	0.7	<0.5	
2620257	Drill Core	13.3	1.0	<0.05	<0.005	4	0.7	<0.5	
2620258	Drill Core	8.0	0.7	<0.05	<0.005	4	<0.5	<0.5	
2620259	Drill Core	3.9	0.8	<0.05	0.006	5	0.6	<0.5	
2620260	Drill Core	11.3	0.8	0.09	0.007	4	<0.5	<0.5	

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

Method		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
2620261	Drill Core	4.61	0.031	<0.1	298.2	0.8	34	<0.1	70.7	37.3	908	9.95	3	0.3	0.6	181	<0.1	0.5	<0.1	525	8.10
2620262	Drill Core	2.48	0.022	0.1	420.9	1.2	34	<0.1	76.8	34.8	539	5.74	3	0.5	0.8	337	<0.1	0.3	<0.1	306	6.69
2620263	Drill Core	5.26	0.364	<0.1	2181.8	1.9	58	0.3	182.8	66.6	847	19.61	3	0.2	0.4	140	<0.1	0.5	<0.1	806	8.07

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Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
2620261	Drill Core	0.378	6.4	33	5.96	25	0.307	4.66	1.429	0.19	<0.1	14.0	14	1.2	9.9	0.6	<0.1	<1	24	5.8	<0.1
2620262	Drill Core	0.119	3.9	15	2.93	217	0.453	8.89	3.096	0.77	<0.1	22.2	12	0.9	12.5	1.3	<0.1	<1	19	12.4	0.2
2620263	Drill Core	0.271	3.2	21	5.41	14	0.233	4.43	0.838	0.12	<0.1	10.4	7	0.7	6.2	0.3	<0.1	<1	16	10.6	0.5

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Project: Hat
Report Date: January 26, 2015

CERTIFICATE OF ANALYSIS SMI14000935.2

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
Analyte		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
2620261	Drill Core	3.4	0.6	0.06	<0.005	4	1.2	<0.5	
2620262	Drill Core	16.2	0.9	0.06	<0.005	4	0.6	<0.5	
2620263	Drill Core	2.1	0.4	0.08	<0.005	6	1.9	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

QUALITY CONTROL REPORT SMI14000935.2

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
2620158	Drill Core	5.41	0.047	0.6	738.0	1.1	46	0.1	51.1	38.1	1224	7.36	3	0.4	0.6	377	0.1	0.3	<0.1	234	5.90
REP 2620158	QC			0.7	727.9	1.1	49	<0.1	49.8	38.7	1198	7.23	3	0.4	0.5	370	0.1	0.3	<0.1	237	5.82
2620174	Drill Core	2.38	0.419	0.1	8956.5	1.9	48	0.5	80.4	125.3	1242	12.14	<1	0.5	0.5	250	<0.1	0.4	<0.1	256	4.97
REP 2620174	QC			0.1	8777.8	1.5	48	0.4	79.7	120.1	1238	12.07	<1	0.5	0.6	255	<0.1	0.4	<0.1	255	4.97
2620187	Drill Core	3.55	0.156	0.2	2588.0	1.4	43	0.2	71.0	78.6	1257	10.00	3	0.6	0.5	264	<0.1	0.7	<0.1	273	8.24
REP 2620187	QC		0.169																		
2620188	Drill Core	2.74	0.090	0.5	1627.8	1.2	45	0.2	62.6	50.7	1151	8.26	3	0.6	0.5	297	0.1	0.4	<0.1	267	7.10
REP 2620188	QC		0.101																		
2620206	Drill Core	3.69	0.705	0.3	>10000	2.4	44	0.9	153.1	207.2	913	16.67	2	0.8	0.8	240	<0.1	0.6	0.2	395	4.84
REP 2620206	QC		0.726																		
2620209	Drill Core	4.14	0.513	1.5	6765.6	2.8	39	0.7	99.5	225.6	1105	14.52	6	0.9	0.7	469	<0.1	1.8	<0.1	369	6.70
REP 2620209	QC			1.9	6586.7	2.7	36	0.7	97.8	217.3	1083	14.12	5	1.0	0.7	459	<0.1	1.4	<0.1	363	6.56
2620235	Drill Core	4.29	0.082	1.3	673.3	1.0	31	<0.1	37.2	41.8	993	10.69	2	0.8	0.8	395	<0.1	0.5	<0.1	400	6.54
REP 2620235	QC		0.083																		
2620242	Drill Core	4.05	0.773	0.2	>10000	2.9	28	0.9	40.8	41.1	1603	12.47	1	1.1	0.6	1191	0.2	6.5	<0.1	438	11.73
REP 2620242	QC																				
2620244	Drill Core	2.70	0.089	0.2	1144.4	1.2	40	<0.1	44.1	41.6	1151	10.64	2	0.5	0.5	304	<0.1	0.6	0.3	447	6.99
REP 2620244	QC			0.4	1146.6	1.3	45	0.2	45.0	39.4	1167	10.71	<1	0.5	0.5	334	<0.1	0.7	0.1	452	7.02
2620249	Drill Core	1.87	0.148	3.2	335.8	1.8	25	<0.1	61.9	112.6	1171	15.94	5	0.5	0.6	591	<0.1	2.9	<0.1	542	6.94
REP 2620249	QC		0.162																		
Core Reject Duplicates																					
2620146	Drill Core	4.65	0.057	1.1	842.0	1.0	50	0.1	56.8	63.3	1085	7.42	3	0.5	0.7	290	<0.1	0.5	<0.1	233	5.96
DUP 2620146	QC		0.054	1.1	805.5	1.0	49	<0.1	57.3	61.1	1054	7.25	2	0.4	0.7	280	<0.1	0.4	<0.1	228	5.77
2620184	Drill Core	2.99	0.245	0.3	4093.3	1.5	41	0.2	57.2	79.6	1046	8.84	2	0.8	1.0	320	0.1	0.3	<0.1	345	5.72
DUP 2620184	QC		0.213	0.2	4000.5	1.4	41	0.3	56.1	80.3	1052	8.82	2	0.7	1.0	318	<0.1	0.3	<0.1	353	5.76
2620222	Drill Core	3.43	0.317	0.1	2902.4	1.4	28	0.3	38.5	58.8	694	9.01	9	0.7	0.9	336	<0.1	0.9	<0.1	284	5.01
DUP 2620222	QC		0.289	0.2	2848.5	1.4	28	0.3	38.1	59.9	691	9.03	10	0.7	1.1	338	<0.1	1.1	<0.1	282	5.03
2620260	Drill Core	3.50	0.017	0.3	289.4	1.5	38	<0.1	66.9	36.2	872	10.41	8	0.5	0.9	305	<0.1	0.5	<0.1	456	6.69

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

QUALITY CONTROL REPORT SMI14000935.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
2620158	Drill Core	0.075	4.7	128	4.03	232	0.436	7.91	3.025	0.61	0.2	26.9	12	0.6	13.4	1.0	<0.1	<1	32	13.1	0.2
REP 2620158	QC	0.075	4.6	125	3.96	231	0.436	7.81	2.943	0.59	0.2	26.9	12	0.6	13.3	1.0	<0.1	<1	31	12.6	0.2
2620174	Drill Core	0.128	2.2	123	3.90	472	0.392	7.11	2.266	1.02	1.0	21.2	7	0.9	11.1	0.7	<0.1	<1	38	13.6	2.2
REP 2620174	QC	0.129	2.2	122	3.82	487	0.388	6.95	2.220	1.01	0.9	21.1	7	1.0	10.8	0.6	<0.1	<1	37	14.7	2.2
2620187	Drill Core	0.077	3.7	196	3.81	90	0.506	7.03	1.998	0.35	0.3	23.3	11	0.9	16.1	0.8	<0.1	<1	41	11.3	1.1
REP 2620187	QC																				
2620188	Drill Core	0.096	4.6	146	3.75	192	0.514	7.74	2.378	0.68	0.3	28.0	12	0.9	16.7	1.0	<0.1	<1	40	10.4	0.5
REP 2620188	QC																				
2620206	Drill Core	0.145	3.3	49	3.25	239	0.444	7.00	1.937	0.77	0.6	22.9	11	1.1	13.3	1.3	<0.1	<1	33	14.9	4.1
REP 2620206	QC																				
2620209	Drill Core	0.140	5.9	39	2.93	277	0.495	7.48	1.883	0.93	0.8	24.7	15	1.2	16.4	1.4	<0.1	<1	33	11.8	2.8
REP 2620209	QC	0.141	5.6	37	2.89	134	0.488	7.33	1.863	0.92	0.8	24.9	15	1.2	17.1	1.5	<0.1	<1	33	11.5	2.9
2620235	Drill Core	0.150	6.2	24	2.95	191	0.465	7.95	2.565	0.84	0.2	23.0	15	0.7	15.0	1.0	<0.1	<1	28	10.2	0.3
REP 2620235	QC																				
2620242	Drill Core	0.063	21.6	73	3.00	46	0.593	7.39	0.743	0.21	0.4	20.7	36	0.9	17.5	1.1	<0.1	<1	44	4.8	1.5
REP 2620242	QC																				
2620244	Drill Core	0.052	4.6	83	3.79	226	0.492	7.65	1.371	0.81	0.3	16.7	12	0.8	10.6	0.8	<0.1	<1	37	15.2	0.2
REP 2620244	QC	0.056	4.8	85	3.83	226	0.563	7.71	1.489	0.82	0.3	17.8	12	0.9	11.3	0.8	<0.1	<1	37	15.5	0.2
2620249	Drill Core	0.125	2.4	112	3.91	97	0.365	6.44	1.483	0.33	0.4	14.8	8	1.5	10.4	0.6	<0.1	<1	33	6.7	1.0
REP 2620249	QC																				
Core Reject Duplicates																					
2620146	Drill Core	0.101	4.7	140	3.93	107	0.397	7.81	3.050	0.43	0.3	30.7	13	0.7	13.2	1.3	<0.1	<1	32	11.5	0.5
DUP 2620146	QC	0.096	4.6	139	3.81	107	0.400	7.62	2.966	0.40	0.3	30.5	13	0.8	12.9	1.2	<0.1	<1	31	11.5	0.4
2620184	Drill Core	0.130	4.3	54	3.61	185	0.481	8.40	2.476	0.88	0.4	19.2	11	0.9	12.4	0.6	<0.1	<1	34	13.7	1.1
DUP 2620184	QC	0.128	4.3	56	3.66	185	0.486	8.29	2.472	0.87	0.4	18.2	11	1.0	12.2	0.6	<0.1	<1	34	13.9	1.1
2620222	Drill Core	0.105	4.3	18	2.30	106	0.471	8.37	3.284	0.47	0.4	25.2	12	0.9	12.7	0.9	<0.1	<1	24	10.2	0.9
DUP 2620222	QC	0.104	4.4	18	2.32	108	0.476	8.34	3.206	0.47	0.4	26.3	12	0.8	13.2	1.1	<0.1	<1	24	10.2	0.9
2620260	Drill Core	0.319	5.7	100	4.65	91	0.369	6.65	2.411	0.38	0.2	24.4	13	0.9	11.8	1.0	<0.1	<1	27	10.7	0.1

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

QUALITY CONTROL REPORT SMI14000935.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA404
	Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.01
Pulp Duplicates									
2620158	Drill Core	10.4	1.1	0.06	<0.005	<1	1.8	<0.5	
REP 2620158	QC	10.1	1.1	0.09	<0.005	<1	0.8	<0.5	
2620174	Drill Core	19.8	0.8	0.07	0.012	5	<0.5	<0.5	
REP 2620174	QC	19.9	0.7	0.09	0.012	5	<0.5	<0.5	
2620187	Drill Core	8.9	0.9	0.09	0.005	2	<0.5	<0.5	
REP 2620187	QC								
2620188	Drill Core	17.7	0.9	0.09	<0.005	1	<0.5	<0.5	
REP 2620188	QC								
2620206	Drill Core	16.9	0.9	0.12	0.111	10	<0.5	<0.5	1.34
REP 2620206	QC								
2620209	Drill Core	19.8	1.0	0.21	0.081	6	<0.5	<0.5	
REP 2620209	QC	20.0	0.9	0.12	0.086	5	<0.5	<0.5	
2620235	Drill Core	27.6	0.9	<0.05	<0.005	<1	<0.5	<0.5	
REP 2620235	QC								
2620242	Drill Core	5.2	0.8	0.25	0.005	2	<0.5	<0.5	1.04
REP 2620242	QC								1.04
2620244	Drill Core	32.3	0.7	0.07	<0.005	5	<0.5	<0.5	
REP 2620244	QC	33.6	0.6	0.05	<0.005	6	<0.5	<0.5	
2620249	Drill Core	7.4	0.6	0.06	0.028	6	<0.5	<0.5	
REP 2620249	QC								
Core Reject Duplicates									
2620146	Drill Core	11.2	1.2	0.06	0.009	1	1.5	<0.5	
DUP 2620146	QC	11.1	1.2	0.05	0.011	<1	1.1	<0.5	
2620184	Drill Core	28.1	0.7	0.11	0.009	2	<0.5	<0.5	
DUP 2620184	QC	28.3	0.6	0.05	0.009	3	<0.5	<0.5	
2620222	Drill Core	13.7	0.9	0.05	0.009	2	<0.5	<0.5	
DUP 2620222	QC	13.9	1.0	0.06	0.010	2	<0.5	<0.5	
2620260	Drill Core	11.3	0.8	0.09	0.007	4	<0.5	<0.5	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

QUALITY CONTROL REPORT SMI14000935.2

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
DUP 2620260	QC		0.020	0.5	293.3	1.4	34	<0.1	60.3	38.2	882	10.41	3	0.4	0.9	287	<0.1	0.5	<0.1	453	6.77
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard			2.8	33.2	25.2	41	<0.1	47.2	7.8	487	6.73	12	2.7	16.1	41	<0.1	0.6	0.4	163	0.29
STD OREAS25A-4A	Standard			2.2	32.7	24.3	44	<0.1	45.3	7.3	439	6.43	10	2.6	13.7	42	<0.1	0.5	0.3	155	0.26
STD OREAS25A-4A	Standard			2.6	37.0	24.4	43	<0.1	46.2	7.2	457	6.57	10	2.6	14.6	45	0.2	0.6	0.4	157	0.29
STD OREAS25A-4A	Standard			2.5	37.6	23.6	41	<0.1	46.8	7.7	455	6.27	11	2.6	12.7	42	0.1	0.5	0.4	151	0.26
STD OREAS45E	Standard			2.4	823.6	18.6	44	0.4	457.6	55.8	539	24.98	18	2.6	13.8	16	<0.1	1.1	0.3	307	0.07
STD OREAS45E	Standard			2.6	793.6	18.7	47	0.3	483.2	55.7	535	24.77	17	2.4	12.2	16	<0.1	1.1	0.3	316	0.07
STD OREAS45E	Standard			2.0	788.3	19.0	46	0.4	482.2	55.6	541	25.18	16	2.3	12.8	16	<0.1	0.9	0.3	316	0.07
STD OREAS45E	Standard			2.2	759.8	18.4	45	0.3	473.5	58.5	546	24.14	17	2.4	11.7	15	<0.1	0.9	0.3	310	0.07
STD OXD108	Standard		0.416																		
STD OXD108	Standard		0.407																		
STD OXD108	Standard		0.413																		
STD OXD108	Standard		0.392																		
STD OXI121	Standard		1.792																		
STD OXI121	Standard		1.808																		
STD OXI121	Standard		1.804																		
STD OXI121	Standard		1.734																		
STD OXN117	Standard		7.876																		
STD OXN117	Standard		7.804																		
STD OXN117	Standard		7.605																		
STD OXN117	Standard		7.605																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

QUALITY CONTROL REPORT SMI14000935.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
DUP 2620260	QC	0.297	6.5	93	4.67	88	0.360	6.75	2.464	0.38	0.2	24.1	14	0.8	10.5	1.0	<0.1	<1	27	9.1	0.1
Reference Materials																					
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS25A-4A	Standard	0.049	20.9	113	0.36	152	0.962	9.02	0.130	0.47	1.7	151.1	47	3.9	10.4	19.8	1.4	1	13	37.6	<0.1
STD OREAS25A-4A	Standard	0.046	19.0	111	0.29	144	0.908	9.07	0.118	0.48	1.9	139.5	45	4.0	9.4	18.0	1.3	1	13	38.6	<0.1
STD OREAS25A-4A	Standard	0.047	21.6	110	0.30	148	0.925	9.18	0.110	0.50	1.9	141.4	49	3.8	10.1	18.2	1.3	<1	14	38.7	<0.1
STD OREAS25A-4A	Standard	0.049	18.1	115	0.32	142	0.961	8.14	0.139	0.47	1.9	151.2	42	3.9	9.3	20.1	1.4	<1	12	37.6	<0.1
STD OREAS45E	Standard	0.034	11.2	942	0.17	248	0.558	6.91	0.058	0.33	1.0	95.4	25	1.3	7.4	6.0	0.5	<1	94	7.3	<0.1
STD OREAS45E	Standard	0.033	9.4	958	0.15	254	0.528	6.89	0.051	0.35	1.0	92.8	22	1.3	7.3	6.0	0.5	1	92	7.7	<0.1
STD OREAS45E	Standard	0.032	10.7	983	0.15	252	0.538	7.17	0.053	0.35	1.1	92.1	25	1.3	7.8	5.7	0.5	<1	97	7.2	<0.1
STD OREAS45E	Standard	0.035	9.9	953	0.16	239	0.532	6.63	0.055	0.33	0.9	93.5	23	1.3	7.2	6.0	0.5	<1	92	7.1	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046

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PHONE (604) 253-3158

Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

QUALITY CONTROL REPORT SMI14000935.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
DUP 2620260	QC	11.2	0.7	<0.05	<0.005	3	0.5	<0.5	
Reference Materials									
STD OREAS132A	Standard								0.05
STD OREAS134B	Standard								0.14
STD OREAS25A-4A	Standard	56.6	4.5	0.05	<0.005	6	<0.5	<0.5	
STD OREAS25A-4A	Standard	56.0	3.8	0.14	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	57.3	4.0	0.11	<0.005	3	<0.5	<0.5	
STD OREAS25A-4A	Standard	55.8	4.2	0.07	<0.005	4	<0.5	<0.5	
STD OREAS45E	Standard	22.4	3.1	0.11	<0.005	6	<0.5	<0.5	
STD OREAS45E	Standard	21.2	3.1	0.06	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	21.0	2.9	0.15	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	20.3	2.9	0.10	<0.005	3	<0.5	<0.5	
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXD108	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXI121	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXN117	Standard								
STD OXD108 Expected									
STD OXN117 Expected									
STD OXI121 Expected									
STD OREAS25A-4A		61	4.53					0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

QUALITY CONTROL REPORT SMI14000935.2

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	0.2	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02
BLK	Blank			<0.1	0.7	0.3	<1	<0.1	0.2	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.8	<0.1	<1	<0.1	0.2	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank																				
Prep Wash																					
ROCK-SMI	Prep Blank		<0.005	0.8	8.0	3.2	41	<0.1	1.6	4.9	670	2.19	2	1.1	2.6	205	0.1	0.1	<0.1	35	1.89
ROCK-SMI	Prep Blank		<0.005	0.6	6.6	3.1	40	<0.1	2.4	4.7	729	2.20	3	1.3	2.7	221	<0.1	0.1	<0.1	35	1.96

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Client: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

QUALITY CONTROL REPORT SMI14000935.2

		MA200 P % 0.001	MA200 La ppm 0.1	MA200 Cr ppm 1	MA200 Mg % 0.01	MA200 Ba ppm 1	MA200 Ti % 0.001	MA200 Al % 0.01	MA200 Na % 0.001	MA200 K % 0.01	MA200 W ppm 0.1	MA200 Zr ppm 0.1	MA200 Ce ppm 1	MA200 Sn ppm 0.1	MA200 Y ppm 0.1	MA200 Nb ppm 0.1	MA200 Ta ppm 0.1	MA200 Be ppm 1	MA200 Sc ppm 1	MA200 Li ppm 0.1	MA200 S % 0.1
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.2	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
ROCK-SMI	Prep Blank	0.045	11.7	3	0.53	834	0.224	8.19	3.308	1.75	0.3	54.4	25	0.7	15.4	5.9	0.5	1	8	4.8	<0.1
ROCK-SMI	Prep Blank	0.047	12.8	2	0.52	868	0.241	8.43	3.316	1.78	0.3	57.7	27	0.9	16.2	6.4	0.5	<1	8	5.2	<0.1

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.

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: **Terracad Geoscience Services Ltd.**
310 - 675 W. Hastings St.
Vancouver BC V6B 1N2 CANADA

Project: Hat
Report Date: January 26, 2015

QUALITY CONTROL REPORT SMI14000935.2

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5	MA404 Cu % 0.01
STD OREAS132A Expected									0.0458
STD OREAS134B Expected									0.1348
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	4	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								<0.01
Prep Wash									
ROCK-SMI	Prep Blank	35.3	1.8	<0.05	<0.005	1	<0.5	<0.5	
ROCK-SMI	Prep Blank	37.9	2.0	<0.05	<0.005	<1	<0.5	<0.5	

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.

Appendix 2

Core Sample Intervals and Copper, Gold, and Silver Analysis

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-011	2327203	6.00	9.00	3.00	SMI13000441	0.035	320.0	<2
HAT-011	2327204	9.00	12.00	3.00	SMI13000441	0.047	730.0	<2
HAT-011	2327205	12.00	15.00	3.00	SMI13000441	0.155	1580.0	<2
HAT-011	2327206	15.00	18.00	3.00	SMI13000441	0.295	4360.0	<2
HAT-011	2327207	18.00	20.42	2.42	SMI13000441	0.145	6310.0	5.00
HAT-011	2327208	20.42	23.47	3.05	SMI13000441	0.037	540.0	<2
HAT-011	2327209	23.47	26.52	3.05	SMI13000441	0.031	360.0	<2
HAT-011	2327210	26.52	29.56	3.04	SMI13000441	0.017	360.0	<2
HAT-011	2327211	29.56	32.61	3.05	SMI13000441	0.100	1040.0	<2
HAT-011	2327212	32.61	35.66	3.05	SMI13000441	0.201	2240.0	<2
HAT-011	2327213	35.66	38.71	3.05	SMI13000441	0.105	980.0	<2
HAT-011	2327214	38.71	41.75	3.04	SMI13000441	0.048	410.0	<2
HAT-011	2327215	41.75	44.50	2.75	SMI13000441	0.070	650.0	<2
HAT-011	2327216	44.50	45.15	0.65	SMI13000441	0.059	690.0	<2
HAT-011	2327217	45.15	48.15	3.00	SMI13000441	0.024	250.0	<2
HAT-011	2327218	48.15	50.78	2.63	SMI13000441	0.042	350.0	<2
HAT-011	2327219	50.78	51.64	0.86	SMI13000441	0.276	2810.0	<2
HAT-011	2327221	51.64	53.50	1.86	SMI13000441	0.131	1690.0	<2
HAT-011	2327222	53.50	56.50	3.00	SMI13000441	0.149	1230.0	<2
HAT-011	2327223	56.50	59.50	3.00	SMI13000441	0.081	1050.0	<2
HAT-011	2327224	59.50	62.50	3.00	SMI13000441	0.226	510.0	<2
HAT-011	2327225	62.50	65.50	3.00	SMI13000441	0.088	850.0	<2
HAT-011	2327226	65.50	69.18	3.68	SMI13000441	0.079	870.0	<2
HAT-011	2327227	69.18	72.23	3.05	SMI13000441	0.112	1440.0	<2
HAT-011	2327228	72.23	75.28	3.05	SMI13000441	0.043	190.0	<2
HAT-011	2327229	75.28	78.33	3.05	SMI13000441	0.073	1050.0	<2
HAT-011	2327230	78.33	81.38	3.05	SMI13000441	0.469	5610.0	2.00
HAT-011	2327231	81.38	84.42	3.04	SMI13000441	0.068	600.0	<2
HAT-011	2327232	84.42	87.47	3.05	SMI13000441	0.110	1230.0	<2
HAT-011	2327233	87.47	90.52	3.05	SMI13000441	0.206	2240.0	<2
HAT-011	2327234	90.52	93.57	3.05	SMI13000441	0.156	6240.0	3.00
HAT-011	2327235	93.57	96.62	3.05	SMI13000441	0.108	1660.0	<2
HAT-011	2327236	96.62	99.66	3.04	SMI13000441	0.496	9750.0	5.00
HAT-011	2327237	99.66	102.71	3.05	SMI13000441	1.795	29700.0	11.00
HAT-011	2327238	102.71	105.76	3.05	SMI13000441	0.049	1930.0	<2
HAT-011	2327239	105.76	108.80	3.04	SMI13000441	0.169	3030.0	<2
HAT-011	2327240	108.80	111.86	3.06	SMI13000441	0.037	410.0	<2
HAT-011	2327241	111.86	114.90	3.04	SMI13000441	0.012	250.0	<2
HAT-011	2327242	114.90	117.95	3.05	SMI13000441	0.011	100.0	<2
HAT-011	2327243	117.95	121.00	3.05	SMI13000441	0.018	310.0	<2

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-011	2327244	121.00	124.05	3.05	SMI13000441	0.105	1320.0	<2
HAT-011	2327245	124.05	127.09	3.04	SMI13000441	0.052	550.0	<2
HAT-011	2327246	127.09	130.14	3.05	SMI13000441	0.012	340.0	<2
HAT-011	2327247	130.14	133.19	3.05	SMI13000441	0.055	370.0	<2
HAT-011	2327248	133.19	136.24	3.05	SMI13000441	0.022	340.0	<2
HAT-011	2327249	136.24	139.28	3.04	SMI13000441	0.016	260.0	<2
HAT-011	2327250	139.28	142.34	3.06	SMI13000441	0.025	220.0	<2
HAT-011	2327251	142.34	145.38	3.04	SMI13000441	0.021	460.0	<2
HAT-011	2327252	145.38	148.43	3.05	SMI13000441	0.018	470.0	<2
HAT-011	2327253	148.43	151.48	3.05	SMI13000441	0.060	760.0	<2
HAT-011	2327254	151.48	154.53	3.05	SMI13000441	0.018	220.0	<2
HAT-011	2327255	154.53	157.57	3.04	SMI13000441	0.016	260.0	<2
HAT-011	2327256	157.57	160.62	3.05	SMI13000441	0.042	550.0	<2
HAT-011	2327257	160.62	163.67	3.05	SMI13000441	0.033	370.0	<2
HAT-011	2327258	163.67	166.72	3.05	SMI13000441	0.155	1910.0	<2
HAT-011	2327259	166.72	169.76	3.04	SMI13000441	0.060	960.0	<2
HAT-011	2327260	169.76	172.81	3.05	SMI13000441	0.123	1380.0	<2
HAT-011	2327261	172.81	175.86	3.05	SMI13000441	0.028	320.0	<2
HAT-011	2327262	175.86	178.90	3.04	SMI13000441	0.086	840.0	<2
HAT-011	2327263	178.90	181.96	3.06	SMI13000441	0.069	860.0	<2
HAT-011	2327264	181.96	185.00	3.04	SMI13000441	0.084	780.0	<2
HAT-011	2327265	185.00	186.90	1.90	SMI13000441	0.263	4060.0	<2
HAT-011	2327266	186.90	188.42	1.52	SMI13000441	0.295	3380.0	<2
HAT-011	2327267	188.42	191.10	2.68	SMI13000441	0.100	900.0	<2
HAT-011	2327268	191.10	194.45	3.35	SMI13000441	0.221	2040.0	<2
HAT-011	2327269	194.45	197.19	2.74	SMI13000441	0.111	1340.0	<2
HAT-011	2327270	197.19	200.24	3.05	SMI13000441	0.137	1170.0	<2
HAT-011	2327271	200.24	204.29	4.05	SMI13000441	2.446	6640.0	<2
HAT-011	2327272	204.29	205.70	1.41	SMI13000441	0.137	2690.0	<2
HAT-011	2327273	205.70	209.39	3.69	SMI13000441	0.084	1010.0	<2
HAT-011	2327274	209.39	212.43	3.04	SMI13000441	0.025	230.0	<2
HAT-011	2327275	212.43	215.48	3.05	SMI13000441	0.121	1010.0	<2
HAT-011	2327276	215.48	218.53	3.05	SMI13000441	0.115	1570.0	<2
HAT-011	2327277	218.53	221.58	3.05	SMI13000441	0.085	790.0	<2
HAT-011	2327278	221.58	224.63	3.05	SMI13000441	1.588	7750.0	<2
HAT-011	2327279	224.63	226.75	2.12	SMI13000441	0.329	1580.0	<2
HAT-011	2327280	226.75	229.50	2.75	SMI13000441	0.544	2120.0	<2
HAT-011	2327281	229.50	233.00	3.50	SMI13000441	0.130	1350.0	<2
HAT-011	2327282	233.00	236.28	3.28	SMI13000441	0.159	990.0	<2
HAT-011	2327283	236.28	239.87	3.59	SMI13000441	0.024	180.0	<2

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-011	2327284	239.87	242.91	3.04	SMI13000441	0.055	590.0	<2
HAT-011	2327285	242.91	245.96	3.05	SMI13000441	0.013	70.0	<2
HAT-011	2327286	245.96	249.00	3.04	SMI13000441	0.015	80.0	<2
HAT-011	2327287	249.00	252.06	3.06	SMI13000441	0.021	80.0	<2
HAT-011	2327288	252.06	255.10	3.04	SMI13000441	0.073	430.0	<2
HAT-011	2327289	255.10	258.15	3.05	SMI13000441	0.068	1260.0	<2
HAT-011	2327290	258.15	261.20	3.05	SMI13000441	0.288	1250.0	<2
HAT-011	2327291	261.20	263.05	1.85	SMI13000441	0.056	980.0	<2
HAT-011	2327292	263.05	264.25	1.20	SMI13000441	0.175	3240.0	<2
HAT-011	2327293	264.25	266.66	2.41	SMI13000441	1.086	14570.0	<2
HAT-011	2327295	266.66	268.66	2.00	SMI13000441	0.543	8380.0	<2
HAT-011	2327296	268.66	270.34	1.68	SMI13000441	0.835	9250.0	<2
HAT-011	2327297	270.34	273.39	3.05	SMI13000441	0.491	5610.0	<2
HAT-011	2327298	273.39	277.04	3.65	SMI13000441	0.347	3740.0	<2
HAT-011	2327299	277.04	279.49	2.45	SMI13000441	0.659	6340.0	<2
HAT-011	2327300	279.49	282.53	3.04	SMI13000441	0.168	2540.0	<2
HAT-011	2327301	282.53	285.58	3.05	SMI13000441	0.141	1910.0	<2
HAT-011	2327302	285.58	288.63	3.05	SMI13000441	0.403	3780.0	<2
HAT-011	2327303	288.63	290.79	2.16	SMI13000441	0.290	4960.0	<2
HAT-011	2327304	290.79	293.79	3.00	SMI13000441	0.468	5440.0	<2
HAT-011	2327305	293.79	295.08	1.29	SMI13000441	0.310	4150.0	<2
HAT-011	2327306	295.08	299.08	4.00	SMI13000441	0.125	2070.0	<2
HAT-011	2327307	299.08	302.90	3.82	SMI13000441	0.196	3080.0	<2
HAT-011	2327308	302.90	304.80	1.90	SMI13000441	0.101	1500.0	<2
HAT-011	2327309	304.80	307.32	2.52	SMI13000441	0.211	1950.0	<2
HAT-011	2327310	307.32	309.97	2.65	SMI13000441	0.093	1260.0	<2
HAT-011	2327311	309.97	313.01	3.04	SMI13000441	0.108	1470.0	<2
HAT-011	2327312	313.01	316.06	3.05	SMI13000441	0.089	1370.0	<2
HAT-011	Q461051	319.11	321.11	2.00	VA14064174	0.330	3170.0	<1
HAT-011	Q461052	321.11	323.11	2.00	VA14064174	0.080	1640.0	<1
HAT-011	Q461053	323.11	325.11	2.00	VA14064174	0.120	1830.0	<1
HAT-011	Q461054	325.11	327.11	2.00	VA14064174	0.120	2300.0	<1
HAT-011	Q461055	327.11	329.11	2.00	VA14064174	0.060	260.0	<1
HAT-011	Q461056	329.11	331.11	2.00	VA14064174	0.040	620.0	<1
HAT-011	Q461057	331.11	333.11	2.00	VA14064174	0.090	1830.0	<1
HAT-011	Q461058	333.11	335.11	2.00	VA14064174	0.050	1520.0	<1
HAT-011	Q461059	335.11	337.11	2.00	VA14064174	0.100	1510.0	<1
HAT-011	Q461060	337.11	339.11	2.00	VA14064174	0.080	1200.0	<1
HAT-011	Q461061	339.11	341.11	2.00	VA14064174	<0.01	100.0	<1
HAT-011	Q461062	341.11	343.11	2.00	VA14064174	<0.01	50.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-011	Q461063	343.11	345.11	2.00	VA14064174	0.030	150.0	<1
HAT-011	Q461064	345.11	347.11	2.00	VA14064174	0.010	210.0	<1
HAT-011	Q461065	347.11	349.11	2.00	VA14064174	0.060	720.0	<1
HAT-011	Q461066	349.11	351.11	2.00	VA14064174	0.010	180.0	<1
HAT-011	Q461067	351.11	353.11	2.00	VA14064174	0.040	640.0	<1
HAT-011	Q461068	353.11	355.11	2.00	VA14064174	0.050	890.0	<1
HAT-011	Q461069	355.11	357.11	2.00	VA14064174	0.170	3580.0	<1
HAT-011	Q461070	357.11	359.11	2.00	VA14064174	0.040	3690.0	<1
HAT-011	Q461071	359.11	361.11	2.00	VA14064174	0.050	860.0	<1
HAT-011	Q461072	361.11	363.11	2.00	VA14064174	0.120	600.0	<1
HAT-011	Q461073	363.11	365.11	2.00	VA14064174	0.040	1200.0	<1
HAT-011	Q461074	365.11	367.11	2.00	VA14064174	0.070	1100.0	<1
HAT-011	Q461075	367.11	369.11	2.00	VA14064174	0.110	1360.0	<1
HAT-011	Q461076	369.11	371.11	2.00	VA14064174	0.060	710.0	<1
HAT-011	Q461077	371.11	373.11	2.00	VA14064174	0.030	700.0	<1
HAT-011	Q461078	373.11	375.11	2.00	VA14064174	0.050	1290.0	<1
HAT-011	Q461079	375.11	377.11	2.00	VA14064174	0.400	5700.0	<1
HAT-011	Q461080	377.11	379.11	2.00	VA14064174	0.120	1480.0	<1
HAT-011	Q461081	379.11	381.11	2.00	VA14064174	0.150	1870.0	<1
HAT-011	Q461082	381.11	383.11	2.00	VA14064174	0.210	3030.0	<1
HAT-011	Q461083	383.11	385.11	2.00	VA14064174	0.850	10250.0	<1
HAT-011	Q461084	385.11	387.11	2.00	VA14064175	0.620	7570.0	1.00
HAT-011	Q461085	387.11	389.11	2.00	VA14064175	0.880	9250.0	1.00
HAT-011	Q461086	389.11	391.11	2.00	VA14064175	0.280	4400.0	<1
HAT-011	Q461087	391.11	393.11	2.00	VA14064175	0.260	7890.0	1.00
HAT-011	Q461088	393.11	395.11	2.00	VA14064175	0.720	17200.0	2.00
HAT-011	Q461089	395.11	397.11	2.00	VA14064175	0.300	5550.0	<1
HAT-011	Q461090	397.11	399.11	2.00	VA14064175	0.370	5770.0	1.00
HAT-011	Q461091	399.11	401.11	2.00	VA14064175	0.390	4480.0	<1
HAT-011	Q461092	401.11	403.11	2.00	VA14064175	0.080	1580.0	<1
HAT-011	Q461093	403.11	405.11	2.00	VA14064175	0.080	820.0	<1
HAT-011	Q461094	405.11	407.11	2.00	VA14064175	0.390	5270.0	1.00
HAT-011	Q461095	407.11	409.11	2.00	VA14064175	0.230	2050.0	<1
HAT-011	Q461096	409.11	411.11	2.00	VA14064175	0.080	930.0	<1
HAT-011	Q461097	411.11	413.11	2.00	VA14064175	0.040	1450.0	<1
HAT-011	Q461098	413.11	415.11	2.00	VA14064175	0.090	2150.0	<1
HAT-011	Q461099	415.11	417.11	2.00	VA14064175	0.010	1000.0	<1
HAT-011	Q461100	417.11	419.11	2.00	VA14064175	0.030	470.0	<1
HAT-011	Q461301	419.11	421.11	2.00	VA14064175	0.100	1890.0	<1
HAT-011	Q461302	421.11	423.11	2.00	VA14064175	0.010	50.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-011	Q461303	423.11	425.11	2.00	VA14064175	0.080	1350.0	<1
HAT-011	Q461304	425.11	427.11	2.00	VA14064175	0.070	1120.0	<1
HAT-011	Q461305	427.11	429.11	2.00	VA14064175	0.030	680.0	<1
HAT-011	Q461306	429.11	431.11	2.00	VA14064175	0.080	1530.0	<1
HAT-011	Q461307	431.11	433.11	2.00	VA14064175	0.060	800.0	<1
HAT-011	Q461308	433.11	435.11	2.00	VA14064175	0.040	820.0	<1
HAT-011	Q461309	435.11	437.11	2.00	VA14064175	0.130	2190.0	<1
HAT-011	Q461310	437.11	439.11	2.00	VA14064175	0.060	1420.0	<1
HAT-011	Q461311	439.11	441.11	2.00	VA14064175	0.020	280.0	<1
HAT-011	Q461312	441.11	443.11	2.00	VA14064175	0.020	380.0	<1
HAT-011	Q461313	443.11	445.11	2.00	VA14064175	0.030	390.0	<1
HAT-011	Q461314	445.11	447.11	2.00	VA14064175	0.030	500.0	<1
HAT-011	Q461315	447.11	449.11	2.00	VA14064175	0.010	280.0	<1
HAT-011	Q461316	449.11	451.11	2.00	VA14064175	0.030	300.0	<1
HAT-011	Q461317	451.11	453.11	2.00	VA14064175	0.020	200.0	<1
HAT-011	Q461318	453.11	455.11	2.00	VA14064175	0.260	2500.0	<1
HAT-011	Q461319	455.11	457.11	2.00	VA14064175	0.030	460.0	<1
HAT-011	Q461320	457.11	459.11	2.00	VA14064175	0.120	1260.0	<1
HAT-011	Q461321	459.11	461.11	2.00	VA14064175	0.010	670.0	<1
HAT-011	Q461322	461.11	463.11	2.00	VA14064175	0.030	470.0	<1
HAT-012	Q461601	0.00	6.15	6.15	VA14063806	<0.01	110.0	<1
HAT-012	Q461602	8.00	10.00	2.00	VA14063806	0.080	940.0	<1
HAT-012	Q461603	10.00	12.00	2.00	VA14063806	0.170	2420.0	<1
HAT-012	Q461604	12.00	14.00	2.00	VA14063806	0.010	90.0	<1
HAT-012	Q461605	14.00	16.00	2.00	VA14063806	<0.01	140.0	<1
HAT-012	Q461606	16.00	18.00	2.00	VA14063806	0.010	120.0	<1
HAT-012	Q461607	18.00	20.00	2.00	VA14063806	0.030	290.0	<1
HAT-012	Q461608	20.00	22.00	2.00	VA14063806	0.010	150.0	<1
HAT-012	Q461609	22.00	24.00	2.00	VA14063806	<0.01	180.0	<1
HAT-012	Q461610	24.00	26.00	2.00	VA14063806	0.010	40.0	<1
HAT-012	Q461611	26.00	28.00	2.00	VA14063806	<0.01	70.0	<1
HAT-012	Q461612	28.00	30.00	2.00	VA14063806	0.030	450.0	<1
HAT-012	Q461613	30.00	32.00	2.00	VA14063806	0.050	610.0	<1
HAT-012	Q461614	32.00	34.00	2.00	VA14063806	<0.01	60.0	<1
HAT-012	Q461615	34.00	36.00	2.00	VA14063806	<0.01	90.0	<1
HAT-012	Q461616	36.00	38.00	2.00	VA14063806	0.010	80.0	1.00
HAT-012	Q461617	38.00	40.00	2.00	VA14063806	<0.01	110.0	<1
HAT-012	Q461618	40.00	42.00	2.00	VA14063806	<0.01	60.0	<1
HAT-012	Q461619	42.00	44.00	2.00	VA14063806	<0.01	60.0	<1
HAT-012	Q461620	44.00	46.00	2.00	VA14063806	<0.01	40.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-012	Q461621	46.00	48.00	2.00	VA14063806	<0.01	60.0	<1
HAT-012	Q461622	48.00	50.00	2.00	VA14063806	<0.01	110.0	<1
HAT-012	Q461623	50.00	52.00	2.00	VA14063806	<0.01	80.0	<1
HAT-012	Q461624	52.00	54.00	2.00	VA14063806	0.010	90.0	<1
HAT-012	Q461625	54.00	56.00	2.00	VA14063806	0.010	50.0	<1
HAT-012	Q461626	56.00	58.00	2.00	VA14063806	0.020	60.0	<1
HAT-012	Q461627	58.00	60.00	2.00	VA14063806	0.010	60.0	<1
HAT-012	Q461628	60.00	62.00	2.00	VA14063806	0.050	30.0	<1
HAT-012	Q461629	62.00	64.00	2.00	VA14063806	0.010	830.0	<1
HAT-012	Q461630	64.00	66.00	2.00	VA14063806	<0.01	180.0	<1
HAT-012	Q461631	66.00	68.00	2.00	VA14063806	0.010	120.0	<1
HAT-012	Q461632	68.00	70.00	2.00	VA14063806	0.020	230.0	<1
HAT-012	Q461633	70.00	72.00	2.00	VA14063806	<0.01	120.0	<1
HAT-012	Q461634	72.00	74.00	2.00	VA14063806	<0.01	360.0	<1
HAT-012	Q461635	74.00	76.00	2.00	VA14063806	<0.01	120.0	<1
HAT-012	Q461636	76.00	78.00	2.00	VA14063806	<0.01	80.0	<1
HAT-012	Q461637	78.00	80.00	2.00	VA14063806	<0.01	100.0	<1
HAT-012	Q461638	80.00	82.00	2.00	VA14063806	<0.01	40.0	<1
HAT-012	Q461639	82.00	84.00	2.00	VA14063806	0.030	20.0	<1
HAT-012	Q461640	84.00	86.00	2.00	VA14063806	0.010	70.0	<1
HAT-012	Q461641	86.00	88.00	2.00	VA14063806	0.010	50.0	<1
HAT-012	Q461642	88.00	90.00	2.00	VA14063806	0.010	40.0	<1
HAT-012	Q461643	90.00	92.00	2.00	VA14063806	<0.01	70.0	<1
HAT-012	Q461644	92.00	94.00	2.00	VA14063806	<0.01	60.0	<1
HAT-012	Q461645	94.00	96.00	2.00	VA14063806	0.010	120.0	<1
HAT-012	Q461646	96.00	98.00	2.00	VA14063806	<0.01	60.0	<1
HAT-012	Q461647	98.00	100.00	2.00	VA14063806	0.050	70.0	<1
HAT-012	Q461648	100.00	102.00	2.00	VA14063806	0.020	50.0	<1
HAT-012	Q461649	102.00	104.00	2.00	VA14064174	<0.01	70.0	<1
HAT-012	Q461650	104.00	106.00	2.00	VA14064174	<0.01	300.0	<1
HAT-012	Q461551	106.00	108.00	2.00	VA14063806	<0.01	190.0	<1
HAT-012	Q461552	108.00	110.00	2.00	VA14063806	0.010	90.0	<1
HAT-012	Q461553	110.00	112.00	2.00	VA14063806	<0.01	100.0	<1
HAT-012	Q461554	112.00	114.00	2.00	VA14063806	<0.01	80.0	<1
HAT-012	Q461555	114.00	116.00	2.00	VA14063806	0.010	90.0	<1
HAT-012	Q461556	116.00	118.00	2.00	VA14063806	<0.01	170.0	<1
HAT-012	Q461557	118.00	120.00	2.00	VA14063806	<0.01	320.0	<1
HAT-012	Q461558	120.00	122.00	2.00	VA14063806	0.010	280.0	<1
HAT-012	Q461559	122.00	124.00	2.00	VA14063806	<0.01	410.0	<1
HAT-012	Q461560	124.00	126.00	2.00	VA14063806	0.010	180.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-012	Q461561	126.00	128.00	2.00	VA14063806	<0.01	150.0	<1
HAT-012	Q461562	128.00	130.00	2.00	VA14063806	<0.01	100.0	<1
HAT-012	Q461563	130.00	132.00	2.00	VA14063806	<0.01	160.0	<1
HAT-012	Q461564	132.00	134.00	2.00	VA14063806	<0.01	270.0	<1
HAT-012	Q461565	134.00	136.00	2.00	VA14063806	<0.01	610.0	<1
HAT-012	Q461566	136.00	138.00	2.00	VA14063806	0.010	500.0	<1
HAT-012	Q461567	138.00	140.00	2.00	VA14063806	0.020	470.0	<1
HAT-012	Q461568	140.00	142.00	2.00	VA14063806	0.010	190.0	<1
HAT-012	Q461569	142.00	144.00	2.00	VA14063806	0.020	370.0	<1
HAT-012	Q461570	144.00	146.00	2.00	VA14063806	0.010	220.0	<1
HAT-012	Q461571	146.00	148.00	2.00	VA14063806	0.020	240.0	<1
HAT-012	Q461572	148.00	150.00	2.00	VA14063806	0.020	300.0	<1
HAT-012	Q461573	150.00	151.00	1.00	VA14063806	0.040	610.0	<1
HAT-012	Q461574	151.00	152.00	1.00	VA14063806	0.170	5490.0	1.00
HAT-012	Q461575	152.00	153.00	1.00	VA14063806	0.280	13600.0	5.00
HAT-012	Q461576	153.00	154.00	1.00	VA14063806	0.010	560.0	<1
HAT-012	Q461577	154.00	156.00	2.00	VA14063806	0.010	310.0	<1
HAT-012	Q461578	156.00	158.00	2.00	VA14063806	0.050	570.0	<1
HAT-012	Q461579	158.00	160.00	2.00	VA14063806	0.050	860.0	<1
HAT-012	Q461580	160.00	162.00	2.00	VA14063806	0.100	330.0	<1
HAT-012	Q461581	162.00	164.00	2.00	VA14063806	0.010	190.0	<1
HAT-012	Q461582	164.00	166.00	2.00	VA14063806	0.020	210.0	<1
HAT-012	Q461583	166.00	168.00	2.00	VA14063806	<0.01	70.0	<1
HAT-012	Q461584	168.00	170.00	2.00	VA14063806	0.010	230.0	<1
HAT-012	Q461585	170.00	172.00	2.00	VA14063806	0.010	280.0	<1
HAT-012	Q461586	172.00	174.00	2.00	VA14063806	0.010	140.0	<1
HAT-012	Q461587	174.00	176.00	2.00	VA14063806	0.010	100.0	<1
HAT-012	Q461588	176.00	178.00	2.00	VA14063806	<0.01	50.0	<1
HAT-012	Q461589	178.00	180.00	2.00	VA14063806	0.010	100.0	<1
HAT-012	Q461590	180.00	182.00	2.00	VA14063806	0.010	190.0	<1
HAT-012	Q461591	182.00	184.00	2.00	VA14063806	<0.01	70.0	<1
HAT-012	Q461592	184.00	186.00	2.00	VA14063806	<0.01	120.0	<1
HAT-012	Q461593	186.00	188.00	2.00	VA14063806	0.010	140.0	<1
HAT-012	Q461594	188.00	190.00	2.00	VA14063806	0.010	160.0	<1
HAT-012	Q461595	190.00	192.00	2.00	VA14063806	0.030	370.0	<1
HAT-012	Q461596	192.00	193.00	1.00	VA14063806	0.450	6520.0	3.00
HAT-012	Q461597	193.00	194.00	1.00	VA14063806	5.920	4870.0	1.00
HAT-012	Q461598	194.00	196.00	2.00	VA14063806	0.090	1330.0	<1
HAT-012	Q461599	196.00	198.00	2.00	VA14063806	0.150	1690.0	<1
HAT-012	Q461600	198.00	200.00	2.00	VA14063806	0.100	1230.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-012	Q461701	200.00	202.00	2.00	VA14064174	<0.01	260.0	<1
HAT-012	Q461702	202.00	204.00	2.00	VA14064174	0.040	720.0	<1
HAT-012	Q461703	204.00	206.00	2.00	VA14064174	0.050	640.0	1.00
HAT-012	Q461704	206.00	208.00	2.00	VA14064174	0.020	760.0	<1
HAT-012	Q461705	208.00	210.00	2.00	VA14064174	0.030	760.0	1.00
HAT-012	Q461706	210.00	212.00	2.00	VA14064174	0.210	4520.0	2.00
HAT-012	Q461707	212.00	214.00	2.00	VA14064174	0.080	890.0	<1
HAT-012	Q461708	214.00	216.00	2.00	VA14064174	0.100	2960.0	1.00
HAT-012	Q461709	216.00	218.00	2.00	VA14064174	0.040	780.0	<1
HAT-012	Q461710	218.00	220.00	2.00	VA14064174	0.030	820.0	<1
HAT-012	Q461711	220.00	222.00	2.00	VA14064174	0.020	590.0	<1
HAT-012	Q461712	222.00	224.00	2.00	VA14064174	<0.01	100.0	<1
HAT-012	Q461713	224.00	226.00	2.00	VA14064174	0.110	1990.0	1.00
HAT-012	Q461714	226.00	228.00	2.00	VA14064174	0.050	1050.0	<1
HAT-012	Q461715	228.00	230.00	2.00	VA14064174	0.020	770.0	<1
HAT-012	Q461716	230.00	232.00	2.00	VA14064174	0.010	320.0	<1
HAT-012	Q461717	232.00	234.00	2.00	VA14064174	0.080	2550.0	<1
HAT-012	Q461718	234.00	236.00	2.00	VA14064174	0.080	1840.0	<1
HAT-012	Q461719	236.00	238.00	2.00	VA14064174	<0.01	180.0	1.00
HAT-012	Q461720	238.00	240.00	2.00	VA14064174	0.010	210.0	<1
HAT-012	Q461721	240.00	242.00	2.00	VA14064174	0.140	3710.0	<1
HAT-012	Q461722	242.00	244.00	2.00	VA14064174	0.010	720.0	<1
HAT-012	Q461723	244.00	246.00	2.00	VA14064174	<0.01	160.0	<1
HAT-012	Q461724	246.00	248.00	2.00	VA14064174	<0.01	490.0	1.00
HAT-012	Q461725	248.00	250.00	2.00	VA14064174	0.100	2560.0	1.00
HAT-012	Q461726	250.00	252.00	2.00	VA14064174	0.170	1790.0	<1
HAT-012	Q461727	252.00	254.00	2.00	VA14064174	0.030	1040.0	<1
HAT-012	Q461728	254.00	256.00	2.00	VA14064174	0.040	930.0	<1
HAT-012	Q461729	256.00	258.00	2.00	VA14064174	0.040	830.0	<1
HAT-012	Q461730	258.00	260.00	2.00	VA14064174	0.030	250.0	<1
HAT-012	Q461731	260.00	262.00	2.00	VA14064174	0.040	820.0	<1
HAT-012	Q461732	262.00	264.00	2.00	VA14064174	0.070	870.0	<1
HAT-012	Q461733	264.00	266.00	2.00	VA14064174	0.040	810.0	<1
HAT-012	Q461734	266.00	268.00	2.00	VA14064174	0.240	3280.0	1.00
HAT-012	Q461735	268.00	270.00	2.00	VA14064174	0.020	260.0	<1
HAT-012	Q461736	270.00	272.00	2.00	VA14064174	0.020	390.0	<1
HAT-012	Q461737	272.00	274.00	2.00	VA14064174	0.520	2150.0	<1
HAT-012	Q461738	274.00	276.00	2.00	VA14064174	1.660	3190.0	1.00
HAT-012	Q461739	276.00	278.00	2.00	VA14064174	1.370	4680.0	<1
HAT-012	Q461740	278.00	280.00	2.00	VA14064174	0.770	6410.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-012	Q461741	280.00	282.00	2.00	VA14064174	0.220	3230.0	<1
HAT-012	Q461742	282.00	284.00	2.00	VA14064174	0.390	5630.0	1.00
HAT-012	Q461743	284.00	286.00	2.00	VA14064174	0.850	7280.0	<1
HAT-012	Q461744	286.00	288.00	2.00	VA14064174	0.280	3230.0	<1
HAT-012	Q461745	288.00	290.00	2.00	VA14064174	0.070	980.0	<1
HAT-012	Q461746	290.00	292.00	2.00	VA14064174	0.020	480.0	<1
HAT-012	Q461747	292.00	294.00	2.00	VA14064174	0.160	2740.0	<1
HAT-012	Q461748	294.00	296.00	2.00	VA14064174	0.160	1720.0	<1
HAT-012	Q461749	296.00	298.00	2.00	VA14064174	0.250	1130.0	<1
HAT-012	Q461750	298.00	299.00	1.00	VA14064174	1.020	2450.0	<1
HAT-012	Q461751	299.00	300.00	1.00	VA14064174	8.040	42800.0	7.00
HAT-012	Q461752	300.00	302.00	2.00	VA14064174	0.010	210.0	<1
HAT-012	Q461753	302.00	304.00	2.00	VA14064174	0.060	710.0	<1
HAT-012	Q461754	304.00	306.00	2.00	VA14064174	0.800	6730.0	1.00
HAT-012	Q461755	306.00	308.00	2.00	VA14064174	0.230	2570.0	<1
HAT-012	Q461756	308.00	310.00	2.00	VA14064174	0.410	2100.0	<1
HAT-012	Q461757	310.00	312.00	2.00	VA14064174	0.010	300.0	<1
HAT-012	Q461758	312.00	313.00	1.00	VA14064174	0.010	160.0	<1
HAT-012	Q461759	313.00	314.00	1.00	VA14064174	2.220	7280.0	1.00
HAT-012	Q461760	314.00	315.00	1.00	VA14064174	1.160	11800.0	1.00
HAT-012	Q461761	315.00	316.00	1.00	VA14064174	0.010	160.0	<1
HAT-012	Q461762	316.00	318.00	2.00	VA14064174	0.010	190.0	<1
HAT-012	Q461763	318.00	320.00	2.00	VA14064174	<0.01	230.0	<1
HAT-012	Q461764	320.00	322.00	2.00	VA14064174	0.060	590.0	<1
HAT-012	Q461765	322.00	324.00	2.00	VA14064174	0.030	310.0	<1
HAT-012	Q461766	324.00	326.00	2.00	VA14064174	0.020	450.0	<1
HAT-012	Q461767	326.00	328.00	2.00	VA14064174	0.030	390.0	<1
HAT-012	Q461768	328.00	330.00	2.00	VA14064174	<0.01	200.0	1.00
HAT-012	Q461769	330.00	332.00	2.00	VA14064174	0.850	15600.0	1.00
HAT-012	Q461770	332.00	334.00	2.00	VA14064174	0.040	630.0	<1
HAT-012	Q461771	334.00	336.00	2.00	VA14064174	0.010	300.0	<1
HAT-012	Q461772	336.00	338.00	2.00	VA14064174	0.090	1160.0	<1
HAT-012	Q461773	338.00	339.00	1.00	VA14064174	0.020	380.0	<1
HAT-012	Q461774	339.00	340.00	1.00	VA14064174	0.030	500.0	<1
HAT-012	Q461775	340.00	341.00	1.00	VA14064174	1.200	9900.0	5.00
HAT-012	Q461776	341.00	342.00	1.00	VA14064174	2.470	17700.0	7.00
HAT-012	Q461777	342.00	343.00	1.00	VA14064174	1.010	8680.0	2.00
HAT-012	Q461778	343.00	344.00	1.00	VA14064174	0.260	4300.0	<1
HAT-012	Q461779	344.00	345.00	1.00	VA14064174	0.310	3860.0	<1
HAT-012	Q461780	345.00	346.00	1.00	VA14064174	0.000	0.0	0.00

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-012	Q461781	346.00	347.00	1.00	VA14064174	0.490	8530.0	1.00
HAT-012	Q461782	347.00	348.00	1.00	VA14064174	0.100	2070.0	1.00
HAT-012	Q461783	348.00	350.00	2.00	VA14064174	0.150	2170.0	<1
HAT-012	Q461784	350.00	352.00	2.00	VA14064174	0.070	1130.0	<1
HAT-012	Q461785	352.00	354.00	2.00	VA14064174	0.150	4430.0	1.00
HAT-012	Q461786	354.00	356.00	2.00	VA14064174	0.770	3410.0	1.00
HAT-012	Q461787	356.00	358.00	2.00	VA14064174	0.130	2000.0	1.00
HAT-012	Q461788	358.00	360.00	2.00	VA14064174	0.230	3270.0	<1
HAT-012	Q461789	360.00	362.00	2.00	VA14064174	0.070	810.0	<1
HAT-012	Q461790	362.00	364.00	2.00	VA14064174	0.050	850.0	<1
HAT-012	Q461791	364.00	366.00	2.00	VA14064174	0.060	490.0	<1
HAT-012	Q461792	366.00	368.00	2.00	VA14064174	0.040	640.0	<1
HAT-012	Q461793	368.00	370.00	2.00	VA14064174	0.100	620.0	<1
HAT-012	Q461794	370.00	372.00	2.00	VA14064174	0.080	1670.0	<1
HAT-012	Q461795	372.00	374.00	2.00	VA14064174	0.040	1100.0	<1
HAT-012	Q461796	374.00	376.00	2.00	VA14064174	0.290	4300.0	<1
HAT-012	Q461797	376.00	378.00	2.00	VA14064174	0.010	280.0	<1
HAT-012	Q461798	378.00	380.00	2.00	VA14064174	0.020	550.0	<1
HAT-012	Q461799	380.00	382.00	2.00	VA14064174	0.020	210.0	<1
HAT-012	Q461800	382.00	384.00	2.00	VA14064174	0.040	480.0	<1
HAT-012	Q461801	384.00	386.00	2.00	VA14064174	0.350	500.0	<1
HAT-012	Q461802	386.00	388.00	2.00	VA14064174	0.050	860.0	<1
HAT-012	Q461803	388.00	390.00	2.00	VA14064174	0.010	230.0	<1
HAT-012	Q461804	390.00	392.00	2.00	VA14064174	0.040	300.0	<1
HAT-012	Q461805	392.00	394.00	2.00	VA14064174	0.120	1710.0	<1
HAT-012	Q461806	394.00	396.00	2.00	VA14064174	0.050	740.0	<1
HAT-012	Q461807	396.00	398.00	2.00	VA14064174	0.030	470.0	<1
HAT-012	Q461808	398.00	400.00	2.00	VA14064174	0.090	940.0	<1
HAT-012	Q461809	400.00	402.00	2.00	VA14064174	0.090	1430.0	<1
HAT-012	Q461810	402.00	404.00	2.00	VA14064174	0.030	430.0	<1
HAT-012	Q461811	404.00	406.00	2.00	VA14064174	0.050	710.0	<1
HAT-012	Q461812	406.00	408.00	2.00	VA14064174	0.050	860.0	<1
HAT-012	Q461813	408.00	410.00	2.00	VA14064174	0.090	1510.0	<1
HAT-012	Q461814	410.00	412.00	2.00	VA14064174	0.060	830.0	<1
HAT-012	Q461815	412.00	414.00	2.00	VA14064174	0.080	610.0	<1
HAT-012	Q461816	414.00	416.00	2.00	VA14064174	0.050	610.0	<1
HAT-012	Q461817	416.00	418.00	2.00	VA14064174	0.080	1670.0	<1
HAT-012	Q461818	418.00	420.00	2.00	VA14064174	0.150	1940.0	<1
HAT-012	Q461819	420.00	422.00	2.00	VA14064174	0.110	1240.0	<1
HAT-012	Q461820	422.00	424.00	2.00	VA14064174	0.060	1130.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-012	Q461821	424.00	426.00	2.00	VA14064174	0.050	710.0	<1
HAT-012	Q461822	426.00	428.00	2.00	VA14064174	0.040	430.0	<1
HAT-012	Q461823	428.00	430.00	2.00	VA14064174	0.080	820.0	<1
HAT-012	Q461824	430.00	432.00	2.00	VA14064174	0.320	5120.0	<1
HAT-012	Q461825	432.00	434.00	2.00	VA14064174	0.210	3620.0	<1
HAT-012	Q461826	434.00	436.00	2.00	VA14064174	0.010	200.0	1.00
HAT-012	Q461827	436.00	438.00	2.00	VA14064174	0.020	260.0	<1
HAT-012	Q461828	438.00	440.00	2.00	VA14064174	0.030	430.0	1.00
HAT-012	Q461829	440.00	442.00	2.00	VA14064174	0.030	430.0	<1
HAT-012	Q461830	442.00	444.00	2.00	VA14064174	0.050	410.0	<1
HAT-012	Q461831	444.00	446.00	2.00	VA14064174	0.010	140.0	<1
HAT-012	Q461832	446.00	448.00	2.00	VA14064174	<0.01	50.0	1.00
HAT-012	Q461833	448.00	450.00	2.00	VA14064174	0.010	270.0	1.00
HAT-012	Q461834	450.00	452.00	2.00	VA14064174	0.010	140.0	1.00
HAT-012	Q461835	452.00	454.00	2.00	VA14064174	<0.01	100.0	1.00
HAT-012	Q461836	454.00	456.00	2.00	VA14064174	0.010	160.0	1.00
HAT-012	Q461837	456.00	458.00	2.00	VA14064174	0.010	120.0	1.00
HAT-012	Q461838	458.00	460.00	2.00	VA14064174	0.030	500.0	<1
HAT-012	Q461839	460.00	462.00	2.00	VA14064174	0.010	160.0	1.00
HAT-012	Q461840	462.00	464.00	2.00	VA14064174	0.050	440.0	<1
HAT-012	Q461841	464.00	466.00	2.00	VA14064174	<0.01	60.0	1.00
HAT-012	Q461842	466.00	468.00	2.00	VA14064174	<0.01	40.0	1.00
HAT-012	Q461843	468.00	470.00	2.00	VA14064174	0.010	160.0	<1
HAT-012	Q461844	470.00	472.00	2.00	VA14064174	0.010	150.0	1.00
HAT-012	Q461845	472.00	474.00	2.00	VA14064174	0.030	320.0	1.00
HAT-012	Q461846	474.00	476.00	2.00	VA14064174	<0.01	150.0	1.00
HAT-012	Q461847	476.00	479.00	3.00	VA14064174	0.030	70.0	1.00
HAT-012	Q461848	479.00	480.00	1.00	VA14064174	0.010	80.0	1.00
HAT-012	Q461849	480.00	482.00	2.00	VA14064174	<0.01	150.0	1.00
HAT-012	Q461850	482.00	484.00	2.00	VA14064174	0.010	100.0	<1
HAT-012	Q461901	484.00	486.00	2.00	VA14064174	0.010	120.0	<1
HAT-012	Q461902	486.00	488.00	2.00	VA14064174	0.020	310.0	1.00
HAT-012	Q461903	488.00	490.00	2.00	VA14064174	0.020	460.0	<1
HAT-012	Q461904	490.00	492.00	2.00	VA14064174	0.030	570.0	1.00
HAT-012	Q461905	492.00	494.00	2.00	VA14064174	0.100	1560.0	1.00
HAT-012	Q461906	494.00	496.00	2.00	VA14064174	0.050	740.0	1.00
HAT-012	Q461907	496.00	498.00	2.00	VA14064174	0.010	150.0	1.00
HAT-012	Q461908	498.00	500.00	2.00	VA14064174	0.040	250.0	<1
HAT-012	Q461909	500.00	502.00	2.00	VA14064174	0.040	840.0	1.00
HAT-012	Q461910	502.00	504.00	2.00	VA14064174	0.020	290.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-012	Q461911	504.00	506.00	2.00	VA14064174	0.030	420.0	<1
HAT-012	Q461912	506.00	508.00	2.00	VA14064174	0.020	350.0	<1
HAT-012	Q461913	508.00	510.00	2.00	VA14064174	0.030	360.0	<1
HAT-012	Q461914	510.00	512.00	2.00	VA14064174	0.010	60.0	<1
HAT-012	Q461915	512.00	514.00	2.00	VA14064174	0.020	200.0	<1
HAT-012	Q461916	514.00	516.00	2.00	VA14064174	0.030	660.0	<1
HAT-012	Q461917	516.00	518.00	2.00	VA14064174	0.020	200.0	<1
HAT-012	Q461918	518.00	520.00	2.00	VA14064174	0.020	460.0	<1
HAT-012	Q461919	520.00	522.00	2.00	VA14064174	0.010	180.0	<1
HAT-012	Q461920	522.00	524.00	2.00	VA14064174	0.070	770.0	<1
HAT-012	Q461921	524.00	526.00	2.00	VA14064174	0.020	340.0	<1
HAT-012	Q461922	526.00	528.00	2.00	VA14064174	0.070	1860.0	<1
HAT-012	Q461923	528.00	530.00	2.00	VA14064174	0.020	200.0	<1
HAT-012	Q461924	530.00	532.00	2.00	VA14064174	0.030	330.0	<1
HAT-012	Q461925	532.00	534.00	2.00	VA14064174	0.100	500.0	<1
HAT-012	Q461926	534.00	536.00	2.00	VA14064174	0.110	330.0	<1
HAT-012	Q461927	536.00	538.00	2.00	VA14064174	0.050	360.0	<1
HAT-012	Q461928	538.00	540.00	2.00	VA14064174	0.040	480.0	<1
HAT-012	Q461929	540.00	542.00	2.00	VA14064174	0.050	440.0	<1
HAT-012	Q461930	542.00	544.00	2.00	VA14064174	0.030	240.0	<1
HAT-012	Q461931	544.00	546.00	2.00	VA14064174	0.050	360.0	<1
HAT-012	Q461932	546.00	548.00	2.00	VA14064174	0.020	170.0	<1
HAT-013	Q461951	6.00	8.00	2.00	VA14064175	0.01	260.0	1.00
HAT-013	Q461952	8.00	10.00	2.00	VA14064175	0.01	110.0	<1
HAT-013	Q461953	10.00	12.00	2.00	VA14064175	0.01	230.0	<1
HAT-013	Q461954	12.00	14.00	2.00	VA14064175	0.01	180.0	<1
HAT-013	Q461955	14.00	16.00	2.00	VA14064175	0.01	330.0	<1
HAT-013	Q461956	16.00	18.00	2.00	VA14064175	0.06	760.0	<1
HAT-013	Q461957	18.00	20.00	2.00	VA14064175	0.01	370.0	<1
HAT-013	Q461958	20.00	22.00	2.00	VA14064175	0.1	1340.0	<1
HAT-013	Q461959	22.00	24.00	2.00	VA14064175	0.01	240.0	<1
HAT-013	Q461960	24.00	26.00	2.00	VA14064175	<0.01	90.0	<1
HAT-013	Q461961	26.00	28.00	2.00	VA14064175	<0.01	50.0	<1
HAT-013	Q461962	28.00	30.00	2.00	VA14064175	0.030	70.0	<1
HAT-013	Q461963	30.00	32.00	2.00	VA14064175	0.020	350.0	<1
HAT-013	Q461964	32.00	34.00	2.00	VA14064175	0.010	310.0	<1
HAT-013	Q461965	34.00	36.00	2.00	VA14064175	0.010	90.0	<1
HAT-013	Q461966	36.00	38.00	2.00	VA14064175	<0.01	70.0	<1
HAT-013	Q461967	38.00	40.00	2.00	VA14064175	0.020	180.0	<1
HAT-013	Q461968	40.00	42.00	2.00	VA14064175	0.010	120.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-013	Q461969	42.00	44.00	2.00	VA14064175	<0.01	110.0	<1
HAT-013	Q461970	44.00	46.00	2.00	VA14064175	0.020	210.0	<1
HAT-013	Q461971	46.00	48.00	2.00	VA14064175	<0.01	260.0	<1
HAT-013	Q461972	48.00	50.00	2.00	VA14064175	0.010	20.0	<1
HAT-013	Q461973	50.00	52.00	2.00	VA14064175	0.010	40.0	<1
HAT-013	Q461974	52.00	54.00	2.00	VA14064175	0.010	40.0	<1
HAT-013	Q461975	54.00	56.00	2.00	VA14064175	0.010	10.0	<1
HAT-013	Q461976	56.00	58.00	2.00	VA14064175	0.020	80.0	<1
HAT-013	Q461977	58.00	60.00	2.00	VA14064175	0.010	130.0	<1
HAT-013	Q461978	60.00	62.00	2.00	VA14064175	0.020	170.0	<1
HAT-013	Q461979	62.00	64.00	2.00	VA14064175	0.020	50.0	<1
HAT-013	Q461980	64.00	66.00	2.00	VA14064175	0.040	2230.0	1.00
HAT-013	Q461981	66.00	68.00	2.00	VA14064175	0.010	360.0	<1
HAT-013	Q461982	68.00	70.00	2.00	VA14064175	0.010	220.0	<1
HAT-013	Q461983	70.00	72.00	2.00	VA14064175	0.020	130.0	<1
HAT-013	Q461984	72.00	74.00	2.00	VA14064175	<0.01	360.0	<1
HAT-013	Q461985	74.00	76.00	2.00	VA14064175	<0.01	2060.0	2.00
HAT-013	Q461986	76.00	78.00	2.00	VA14064175	0.010	60.0	<1
HAT-013	Q461987	78.00	80.00	2.00	VA14064175	0.010	400.0	<1
HAT-013	Q461988	80.00	82.00	2.00	VA14064175	0.050	780.0	<1
HAT-013	Q461989	82.00	84.00	2.00	VA14064175	0.060	400.0	<1
HAT-013	Q461990	84.00	86.00	2.00	VA14064175	0.030	160.0	<1
HAT-013	Q461991	86.00	88.00	2.00	VA14064175	0.010	350.0	<1
HAT-013	Q461992	88.00	90.00	2.00	VA14064175	0.010	120.0	<1
HAT-013	Q461993	90.00	92.00	2.00	VA14064175	0.010	310.0	<1
HAT-013	Q461994	92.00	94.00	2.00	VA14064175	0.180	980.0	<1
HAT-013	Q461995	94.00	96.00	2.00	VA14064175	<0.01	220.0	<1
HAT-013	Q461996	96.00	98.00	2.00	VA14064175	<0.01	260.0	<1
HAT-013	Q461997	98.00	100.00	2.00	VA14064175	0.020	1530.0	<1
HAT-013	Q461998	100.00	102.00	2.00	VA14064175	0.030	370.0	<1
HAT-013	Q461999	102.00	104.00	2.00	VA14064175	<0.01	260.0	<1
HAT-013	Q462000	104.00	106.00	2.00	VA14064175	0.010	120.0	<1
HAT-013	Q461101	106.00	108.00	2.00	VA14064175	0.120	440.0	<1
HAT-013	Q461102	108.00	110.00	2.00	VA14064175	0.010	140.0	<1
HAT-013	Q461103	110.00	112.00	2.00	VA14064175	0.130	1360.0	<1
HAT-013	Q461104	112.00	113.00	1.00	VA14064175	0.500	7010.0	1.00
HAT-013	Q461105	113.00	114.00	1.00	VA14064175	0.720	8150.0	<1
HAT-013	Q461106	114.00	116.00	2.00	VA14064175	0.040	770.0	<1
HAT-013	Q461107	116.00	118.00	2.00	VA14064175	0.040	680.0	<1
HAT-013	Q461108	118.00	120.00	2.00	VA14064175	0.060	710.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-013	Q461109	120.00	122.00	2.00	VA14064175	0.030	640.0	<1
HAT-013	Q461110	122.00	124.00	2.00	VA14064175	0.060	450.0	<1
HAT-013	Q461111	124.00	126.00	2.00	VA14064175	0.100	380.0	1.00
HAT-013	Q461112	126.00	128.00	2.00	VA14064175	0.120	1120.0	<1
HAT-013	Q461113	128.00	130.00	2.00	VA14064175	0.100	820.0	<1
HAT-013	Q461114	130.00	132.00	2.00	VA14064175	0.040	620.0	<1
HAT-013	Q461115	132.00	134.00	2.00	VA14064175	0.070	1710.0	1.00
HAT-013	Q461116	134.00	135.00	1.00	VA14064175	0.230	5810.0	1.00
HAT-013	Q461117	135.00	136.00	1.00	VA14064175	0.040	650.0	<1
HAT-013	Q461118	136.00	137.00	1.00	VA14064175	0.030	780.0	1.00
HAT-013	Q461119	137.00	138.00	1.00	VA14064175	0.050	1220.0	<1
HAT-013	Q461120	138.00	139.00	1.00	VA14064175	0.040	740.0	1.00
HAT-013	Q461121	139.00	140.00	1.00	VA14064175	0.120	1830.0	1.00
HAT-013	Q461122	140.00	141.00	1.00	VA14064175	0.270	7040.0	3.00
HAT-013	Q461123	141.00	142.00	1.00	VA14064175	0.090	5580.0	2.00
HAT-013	Q461124	142.00	143.00	1.00	VA14064175	0.040	2720.0	1.00
HAT-013	Q461125	143.00	144.00	1.00	VA14064175	0.110	6640.0	3.00
HAT-013	Q461126	144.00	145.00	1.00	VA14064175	0.110	3460.0	2.00
HAT-013	Q461127	145.00	146.00	1.00	VA14064175	0.330	9350.0	2.00
HAT-013	Q461128	146.00	147.00	1.00	VA14064175	0.540	12250.0	3.00
HAT-013	Q461129	147.00	148.00	1.00	VA14064175	0.520	15400.0	5.00
HAT-013	Q461130	148.00	149.00	1.00	VA14064175	0.930	13850.0	4.00
HAT-013	Q461131	149.00	150.00	1.00	VA14064175	0.240	6780.0	4.00
HAT-013	Q461132	150.00	151.00	1.00	VA14064175	0.120	5230.0	3.00
HAT-013	Q461133	151.00	152.00	1.00	VA14064175	0.120	2170.0	<1
HAT-013	Q461134	152.00	153.00	1.00	VA14064175	0.010	490.0	<1
HAT-013	Q461135	153.00	154.00	1.00	VA14064175	0.020	530.0	<1
HAT-013	Q461136	154.00	156.00	2.00	VA14064175	0.050	100.0	<1
HAT-013	Q461137	156.00	158.00	2.00	VA14064175	0.020	130.0	<1
HAT-013	Q461138	158.00	160.00	2.00	VA14064175	0.020	150.0	<1
HAT-013	Q461139	160.00	162.00	2.00	VA14064175	0.020	390.0	<1
HAT-013	Q461140	162.00	164.00	2.00	VA14064175	0.020	80.0	<1
HAT-013	Q461141	164.00	166.00	2.00	VA14064175	0.020	100.0	1.00
HAT-013	Q461142	166.00	168.00	2.00	VA14064175	0.020	170.0	<1
HAT-013	Q461143	168.00	170.00	2.00	VA14064175	0.020	100.0	<1
HAT-013	Q461144	170.00	172.00	2.00	VA14064175	0.050	100.0	<1
HAT-013	Q461145	172.00	174.00	2.00	VA14064175	0.010	260.0	<1
HAT-013	Q461146	174.00	176.00	2.00	VA14064175	<0.01	60.0	<1
HAT-013	Q461147	176.00	178.00	2.00	VA14064175	0.010	290.0	<1
HAT-013	Q461148	178.00	180.00	2.00	VA14064175	0.010	180.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-013	Q461149	180.00	182.00	2.00	VA14064175	0.020	190.0	<1
HAT-013	Q461150	182.00	184.00	2.00	VA14064175	0.010	190.0	<1
HAT-013	Q461151	184.00	186.00	2.00	VA14064175	0.010	160.0	<1
HAT-013	Q461152	186.00	188.00	2.00	VA14064175	0.190	260.0	<1
HAT-013	Q461153	188.00	190.00	2.00	VA14064175	0.090	250.0	<1
HAT-013	Q461154	190.00	192.00	2.00	VA14064175	0.010	100.0	<1
HAT-013	Q461155	192.00	194.00	2.00	VA14064175	0.020	260.0	<1
HAT-013	Q461156	194.00	196.00	2.00	VA14064175	0.050	830.0	<1
HAT-013	Q461157	196.00	198.00	2.00	VA14064175	0.020	170.0	<1
HAT-013	Q461158	198.00	200.00	2.00	VA14064175	0.010	120.0	<1
HAT-013	Q461159	200.00	202.00	2.00	VA14064175	0.010	50.0	<1
HAT-013	Q461160	202.00	204.00	2.00	VA14064175	0.100	960.0	<1
HAT-013	Q461161	204.00	206.00	2.00	VA14064175	0.040	500.0	<1
HAT-013	Q461162	206.00	208.00	2.00	VA14064175	0.070	1180.0	<1
HAT-013	Q461163	208.00	210.00	2.00	VA14064175	0.010	140.0	<1
HAT-013	Q461164	210.00	212.00	2.00	VA14064175	0.010	60.0	1.00
HAT-013	Q461165	212.00	214.00	2.00	VA14064175	0.010	60.0	<1
HAT-013	Q461166	214.00	216.00	2.00	VA14064175	0.050	610.0	<1
HAT-013	Q461167	216.00	218.00	2.00	VA14064175	0.020	300.0	1.00
HAT-013	Q461168	218.00	220.00	2.00	VA14064175	0.060	840.0	<1
HAT-013	Q461169	220.00	222.00	2.00	VA14064175	0.010	60.0	2.00
HAT-013	Q461170	222.00	224.00	2.00	VA14064175	0.010	60.0	<1
HAT-013	Q461171	224.00	226.00	2.00	VA14064175	0.020	320.0	1.00
HAT-013	Q461172	226.00	228.00	2.00	VA14064175	0.040	620.0	1.00
HAT-013	Q461173	228.00	230.00	2.00	VA14064175	0.100	1400.0	1.00
HAT-013	Q461174	230.00	232.00	2.00	VA14064175	0.020	1040.0	1.00
HAT-013	Q461175	232.00	234.00	2.00	VA14064175	0.050	880.0	1.00
HAT-013	Q461176	234.00	236.00	2.00	VA14064175	0.030	660.0	1.00
HAT-013	Q461177	236.00	238.00	2.00	VA14064175	0.350	6770.0	2.00
HAT-013	Q461178	238.00	240.00	2.00	VA14064175	0.060	1760.0	1.00
HAT-013	Q461179	240.00	242.00	2.00	VA14064175	0.050	1020.0	<1
HAT-013	Q461180	242.00	244.00	2.00	VA14064175	0.070	1230.0	<1
HAT-013	Q461181	244.00	246.00	2.00	VA14064175	0.070	1700.0	<1
HAT-013	Q461182	246.00	248.00	2.00	VA14064175	0.040	560.0	<1
HAT-013	Q461183	248.00	250.00	2.00	VA14064175	0.030	1330.0	<1
HAT-013	Q461184	250.00	252.00	2.00	VA14064175	0.030	1960.0	<1
HAT-013	Q461185	252.00	254.00	2.00	VA14064175	0.030	1920.0	<1
HAT-013	Q461186	254.00	256.00	2.00	VA14064175	0.070	1320.0	<1
HAT-013	Q461187	256.00	258.00	2.00	VA14064175	0.060	820.0	<1
HAT-013	Q461188	258.00	260.00	2.00	VA14064175	0.050	1690.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-013	Q461189	260.00	262.00	2.00	VA14064175	0.040	890.0	<1
HAT-013	Q461190	262.00	264.00	2.00	VA14064175	0.020	440.0	<1
HAT-013	Q461191	264.00	266.00	2.00	VA14064175	0.040	750.0	<1
HAT-013	Q461192	266.00	268.00	2.00	VA14064175	0.010	230.0	<1
HAT-013	Q461193	268.00	270.00	2.00	VA14064175	0.030	400.0	<1
HAT-013	Q461194	270.00	272.00	2.00	VA14064175	0.040	520.0	<1
HAT-013	Q461195	272.00	274.00	2.00	VA14064175	0.070	2410.0	<1
HAT-013	Q461196	274.00	276.00	2.00	VA14064175	0.120	1420.0	<1
HAT-013	Q461197	276.00	278.00	2.00	VA14064175	0.060	1360.0	<1
HAT-013	Q461198	278.00	279.00	1.00	VA14064175	0.270	8250.0	1.00
HAT-013	Q461199	279.00	280.00	1.00	VA14064175	0.140	3560.0	<1
HAT-013	Q461200	280.00	281.00	1.00	VA14064175	0.080	3060.0	<1
HAT-013	Q461201	281.00	282.00	1.00	VA14064175	0.060	2030.0	<1
HAT-013	Q461202	282.00	283.00	1.00	VA14064175	0.100	4170.0	1.00
HAT-013	Q461203	283.00	284.00	1.00	VA14064175	0.130	6240.0	<1
HAT-013	Q461204	284.00	285.00	1.00	VA14064175	0.120	8180.0	1.00
HAT-013	Q461205	285.00	286.00	1.00	VA14064175	0.060	1780.0	<1
HAT-013	Q461206	286.00	287.00	1.00	VA14064175	0.040	1330.0	<1
HAT-013	Q461207	287.00	288.00	1.00	VA14064175	0.040	720.0	<1
HAT-013	Q461208	288.00	289.00	1.00	VA14064175	0.030	700.0	<1
HAT-013	Q461209	289.00	290.00	1.00	VA14064175	0.190	1520.0	<1
HAT-013	Q461210	290.00	292.00	2.00	VA14064175	0.110	2840.0	<1
HAT-013	Q461211	292.00	294.00	2.00	VA14064175	0.080	1590.0	<1
HAT-013	Q461212	294.00	296.00	2.00	VA14064175	0.060	390.0	<1
HAT-013	Q461213	296.00	298.00	2.00	VA14064175	0.060	670.0	<1
HAT-013	Q461214	298.00	300.00	2.00	VA14064175	0.310	3100.0	1.00
HAT-013	Q461215	300.00	302.00	2.00	VA14064175	0.240	1060.0	<1
HAT-013	Q461216	302.00	304.00	2.00	VA14064175	0.840	1950.0	<1
HAT-013	Q461217	304.00	306.00	2.00	VA14064175	0.080	420.0	<1
HAT-013	Q461218	306.00	308.00	2.00	VA14064175	0.050	380.0	<1
HAT-013	Q461219	308.00	310.00	2.00	VA14064175	0.160	870.0	1.00
HAT-013	Q461220	310.00	312.00	2.00	VA14064175	0.140	370.0	<1
HAT-013	Q461221	312.00	314.00	2.00	VA14064175	0.140	1290.0	1.00
HAT-013	Q461222	314.00	316.00	2.00	VA14064175	0.390	2250.0	1.00
HAT-013	Q461223	316.00	318.00	2.00	VA14064175	0.660	4520.0	1.00
HAT-013	Q461224	318.00	320.00	2.00	VA14064175	0.690	2810.0	1.00
HAT-013	Q461225	320.00	322.00	2.00	VA14064175	0.050	450.0	<1
HAT-013	Q461226	322.00	325.00	3.00	VA14064175	0.030	660.0	<1
HAT-013	Q461227	325.00	328.00	3.00	VA14064175	0.010	420.0	<1
HAT-013	Q461228	328.00	330.00	2.00	VA14064175	0.050	660.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-013	Q461229	330.00	332.00	2.00	VA14064175	0.070	1450.0	<1
HAT-013	Q461230	332.00	334.00	2.00	VA14064175	0.020	450.0	1
HAT-013	Q461231	334.00	336.00	2.00	VA14064175	0.190	1960.0	<1
HAT-013	Q461232	336.00	338.00	2.00	VA14064175	0.060	1230.0	1
HAT-013	Q461233	338.00	340.00	2.00	VA14064175	0.170	1360.0	1
HAT-013	Q461234	340.00	342.00	2.00	VA14064175	0.060	490.0	<1
HAT-013	Q461235	342.00	344.00	2.00	VA14064175	0.070	190.0	<1
HAT-013	Q461236	344.00	346.00	2.00	VA14064175	0.020	440.0	<1
HAT-013	Q461237	346.00	348.00	2.00	VA14064175	0.040	460.0	<1
HAT-013	Q461238	348.00	350.00	2.00	VA14064175	0.020	320.0	<1
HAT-014	Q461351	2.00	4.00	2.00	VA14066930	<0.01	90.0	<1
HAT-014	Q461352	4.00	6.00	2.00	VA14066930	<0.01	30.0	<1
HAT-014	Q461353	6.00	8.00	2.00	VA14066930	<0.01	90.0	<1
HAT-014	Q461354	8.00	10.00	2.00	VA14066930	<0.01	80.0	<1
HAT-014	Q461355	10.00	12.00	2.00	VA14066930	<0.01	200.0	<1
HAT-014	Q461356	12.00	14.00	2.00	VA14066930	<0.01	50.0	<1
HAT-014	Q461357	14.00	16.00	2.00	VA14066930	<0.01	40.0	<1
HAT-014	Q461358	16.00	18.00	2.00	VA14066930	<0.01	90.0	<1
HAT-014	Q461359	18.00	20.00	2.00	VA14066930	0.010	210.0	<1
HAT-014	Q461360	20.00	22.00	2.00	VA14066930	<0.01	120.0	<1
HAT-014	Q461361	22.00	24.00	2.00	VA14066930	<0.01	80.0	<1
HAT-014	Q461362	24.00	26.00	2.00	VA14066930	<0.01	120.0	<1
HAT-014	Q461363	26.00	28.00	2.00	VA14066930	0.010	140.0	<1
HAT-014	Q461364	28.00	30.00	2.00	VA14066930	<0.01	80.0	<1
HAT-014	Q461365	30.00	32.00	2.00	VA14066930	<0.01	200.0	<1
HAT-014	Q461366	32.00	34.00	2.00	VA14066930	0.010	280.0	<1
HAT-014	Q461367	34.00	36.00	2.00	VA14066930	<0.01	100.0	<1
HAT-014	Q461368	36.00	38.00	2.00	VA14066930	0.010	150.0	<1
HAT-014	Q461369	38.00	40.00	2.00	VA14066930	<0.01	60.0	<1
HAT-014	Q461370	40.00	42.00	2.00	VA14066930	<0.01	50.0	<1
HAT-014	Q461371	42.00	44.00	2.00	VA14066930	0.010	110.0	<1
HAT-014	Q461372	44.00	46.00	2.00	VA14066930	0.030	550.0	<1
HAT-014	Q461373	46.00	48.00	2.00	VA14066930	<0.01	50.0	<1
HAT-014	Q461374	48.00	50.00	2.00	VA14066930	0.010	270.0	<1
HAT-014	Q461375	50.00	52.00	2.00	VA14066930	<0.01	130.0	<1
HAT-014	Q461376	52.00	54.00	2.00	VA14066930	0.010	460.0	<1
HAT-014	Q461377	54.00	56.00	2.00	VA14066930	<0.01	40.0	<1
HAT-014	Q461378	56.00	58.00	2.00	VA14066930	<0.01	10.0	<1
HAT-014	Q461379	58.00	60.00	2.00	VA14066930	<0.01	90.0	<1
HAT-014	Q461380	60.00	62.00	2.00	VA14066930	<0.01	210.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-014	Q461381	62.00	64.00	2.00	VA14066930	0.030	250.0	<1
HAT-014	Q461382	64.00	66.00	2.00	VA14066930	0.020	100.0	<1
HAT-014	Q461383	66.00	68.00	2.00	VA14066930	<0.01	30.0	<1
HAT-014	Q461384	68.00	70.00	2.00	VA14066930	<0.01	60.0	<1
HAT-014	Q461385	70.00	72.00	2.00	VA14066930	<0.01	160.0	<1
HAT-014	Q461386	72.00	74.00	2.00	VA14066930	0.010	210.0	<1
HAT-014	Q461387	74.00	76.00	2.00	VA14066930	<0.01	60.0	<1
HAT-014	Q461388	76.00	78.00	2.00	VA14066930	<0.01	40.0	<1
HAT-014	Q461389	78.00	80.00	2.00	VA14066930	<0.01	60.0	<1
HAT-014	Q461390	80.00	82.00	2.00	VA14066930	<0.01	20.0	<1
HAT-014	Q461391	82.00	84.00	2.00	VA14066930	<0.01	20.0	<1
HAT-014	Q461392	84.00	86.00	2.00	VA14066930	<0.01	60.0	<1
HAT-014	Q461393	86.00	88.00	2.00	VA14066930	<0.01	130.0	<1
HAT-014	Q461394	88.00	90.00	2.00	VA14066930	0.020	1300.0	<1
HAT-014	Q461395	90.00	92.00	2.00	VA14066930	<0.01	90.0	<1
HAT-014	Q461396	92.00	94.00	2.00	VA14066930	<0.01	270.0	<1
HAT-014	Q461397	94.00	96.00	2.00	VA14066930	0.010	110.0	<1
HAT-014	Q461398	96.00	98.00	2.00	VA14066930	<0.01	130.0	<1
HAT-014	Q461399	98.00	100.00	2.00	VA14066930	<0.01	240.0	<1
HAT-014	Q461400	100.00	102.00	2.00	VA14066930	<0.01	100.0	<1
HAT-014	Q461401	102.00	104.00	2.00	VA14066930	<0.01	190.0	<1
HAT-014	Q461402	104.00	106.00	2.00	VA14066930	<0.01	100.0	<1
HAT-014	Q461403	106.00	108.00	2.00	VA14066930	0.010	210.0	<1
HAT-014	Q461404	108.00	110.00	2.00	VA14066930	0.010	230.0	<1
HAT-014	Q461405	110.00	112.00	2.00	VA14066930	0.010	130.0	<1
HAT-014	Q461406	112.00	114.00	2.00	VA14066930	0.010	140.0	<1
HAT-014	Q461407	114.00	116.00	2.00	VA14066930	<0.01	140.0	<1
HAT-014	Q461408	116.00	118.00	2.00	VA14066930	<0.01	220.0	<1
HAT-014	Q461409	118.00	120.00	2.00	VA14066930	0.010	160.0	<1
HAT-014	Q461410	120.00	122.00	2.00	VA14066930	0.010	180.0	<1
HAT-014	Q461411	122.00	124.00	2.00	VA14066930	0.020	660.0	<1
HAT-014	Q461412	124.00	126.00	2.00	VA14066930	0.030	720.0	<1
HAT-014	Q461413	126.00	128.00	2.00	VA14066930	0.010	140.0	<1
HAT-014	Q461414	128.00	130.00	2.00	VA14066930	0.010	120.0	<1
HAT-014	Q461415	130.00	132.00	2.00	VA14066930	0.010	170.0	<1
HAT-014	Q461416	132.00	134.00	2.00	VA14066930	0.010	620.0	<1
HAT-014	Q461417	134.00	136.00	2.00	VA14066930	0.020	780.0	<1
HAT-014	Q461418	136.00	138.00	2.00	VA14066930	<0.01	200.0	<1
HAT-014	Q461419	138.00	140.00	2.00	VA14066930	0.010	190.0	<1
HAT-014	Q461420	140.00	142.00	2.00	VA14066930	<0.01	110.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-014	Q461421	142.00	144.00	2.00	VA14066930	0.030	310.0	<1
HAT-014	Q461422	144.00	146.00	2.00	VA14066930	0.010	250.0	<1
HAT-014	Q461423	146.00	148.00	2.00	VA14066930	0.120	1890.0	<1
HAT-014	Q461424	148.00	150.00	2.00	VA14066930	0.020	350.0	<1
HAT-014	Q461425	150.00	152.00	2.00	VA14066930	0.010	110.0	<1
HAT-014	Q461426	152.00	154.00	2.00	VA14066930	0.020	160.0	<1
HAT-014	Q461427	154.00	156.00	2.00	VA14066930	0.020	200.0	<1
HAT-014	Q461428	156.00	158.00	2.00	VA14066930	0.020	290.0	<1
HAT-014	Q461429	158.00	160.00	2.00	VA14066930	0.010	210.0	<1
HAT-014	Q461430	160.00	162.00	2.00	VA14066930	0.020	370.0	<1
HAT-014	Q461431	162.00	164.00	2.00	VA14066930	<0.01	110.0	<1
HAT-014	Q461432	164.00	166.00	2.00	VA14066930	<0.01	60.0	<1
HAT-014	Q461433	166.00	168.00	2.00	VA14066930	<0.01	120.0	<1
HAT-014	Q461434	168.00	170.00	2.00	VA14066930	0.010	50.0	<1
HAT-014	Q461435	170.00	172.00	2.00	VA14066930	<0.01	80.0	<1
HAT-014	Q461436	172.00	174.00	2.00	VA14066930	0.010	250.0	<1
HAT-014	Q461437	174.00	176.00	2.00	VA14066930	0.090	1100.0	<1
HAT-014	Q461438	176.00	178.00	2.00	VA14066930	0.010	100.0	<1
HAT-014	Q461439	178.00	180.00	2.00	VA14066930	0.020	540.0	<1
HAT-014	Q461440	180.00	182.00	2.00	VA14066930	0.010	120.0	<1
HAT-014	Q461441	182.00	184.00	2.00	VA14066930	0.010	140.0	<1
HAT-014	Q461442	184.00	186.00	2.00	VA14066930	0.010	300.0	<1
HAT-014	Q461443	186.00	188.00	2.00	VA14066930	0.010	360.0	<1
HAT-014	Q461444	188.00	190.00	2.00	VA14066930	0.010	230.0	<1
HAT-014	Q461445	190.00	192.00	2.00	VA14066930	0.010	210.0	<1
HAT-014	Q461446	192.00	194.00	2.00	VA14066930	0.010	280.0	<1
HAT-014	Q461447	194.00	196.00	2.00	VA14066930	0.050	550.0	<1
HAT-014	Q461448	196.00	198.00	2.00	VA14066930	0.030	800.0	<1
HAT-014	Q461449	198.00	200.00	2.00	VA14066930	0.010	130.0	<1
HAT-014	Q461450	200.00	202.00	2.00	VA14066930	0.030	540.0	<1
HAT-014	Q461451	202.00	204.00	2.00	VA14066930	0.010	140.0	<1
HAT-014	Q461452	204.00	206.00	2.00	VA14066930	0.010	240.0	<1
HAT-014	Q461453	206.00	208.00	2.00	VA14066930	0.010	110.0	<1
HAT-014	Q461454	208.00	210.00	2.00	VA14066930	0.010	170.0	<1
HAT-014	Q461455	210.00	212.00	2.00	VA14066930	0.010	210.0	<1
HAT-014	Q461456	212.00	214.00	2.00	VA14066930	0.050	470.0	<1
HAT-014	Q461457	214.00	216.00	2.00	VA14066930	<0.01	140.0	1.00
HAT-014	Q461458	216.00	218.00	2.00	VA14066930	<0.01	270.0	<1
HAT-014	Q461459	218.00	220.00	2.00	VA14066930	0.010	410.0	<1
HAT-014	Q461460	220.00	222.00	2.00	VA14066930	0.010	260.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-014	Q461461	222.00	224.00	2.00	VA14066930	0.070	2380.0	<1
HAT-014	Q461462	224.00	226.00	2.00	VA14066930	<0.01	160.0	<1
HAT-014	Q461463	226.00	228.00	2.00	VA14066930	0.010	200.0	<1
HAT-014	Q461464	228.00	230.00	2.00	VA14066930	0.010	250.0	<1
HAT-014	Q461465	230.00	232.00	2.00	VA14066930	<0.01	80.0	<1
HAT-014	Q461466	232.00	234.00	2.00	VA14066930	<0.01	120.0	<1
HAT-014	Q461467	234.00	236.00	2.00	VA14066930	0.020	230.0	<1
HAT-014	Q461468	236.00	238.00	2.00	VA14066930	0.010	100.0	<1
HAT-014	Q461469	238.00	240.00	2.00	VA14066930	0.010	160.0	<1
HAT-014	Q461470	240.00	242.00	2.00	VA14066930	0.010	250.0	<1
HAT-014	Q461471	242.00	244.00	2.00	VA14066930	0.100	4450.0	<1
HAT-014	Q461472	244.00	246.00	2.00	VA14066930	0.050	2710.0	1.00
HAT-014	Q461473	246.00	248.00	2.00	VA14066930	<0.01	210.0	<1
HAT-014	Q461474	248.00	250.00	2.00	VA14066930	<0.01	180.0	<1
HAT-014	Q461475	250.00	252.00	2.00	VA14066930	<0.01	170.0	<1
HAT-014	Q461476	252.00	254.00	2.00	VA14066930	0.010	240.0	<1
HAT-014	Q461477	254.00	256.00	2.00	VA14066930	0.010	160.0	<1
HAT-014	Q461478	256.00	258.00	2.00	VA14066930	<0.01	160.0	<1
HAT-014	Q461479	258.00	260.00	2.00	VA14066930	0.010	240.0	<1
HAT-014	Q461480	260.00	262.00	2.00	VA14066930	0.020	240.0	<1
HAT-014	Q461481	262.00	264.00	2.00	VA14066930	0.540	13400.0	2.00
HAT-014	Q461482	264.00	266.00	2.00	VA14066930	0.010	1090.0	<1
HAT-014	Q461483	266.00	268.00	2.00	VA14066930	0.270	4110.0	<1
HAT-014	Q461484	268.00	270.00	2.00	VA14066930	<0.01	90.0	<1
HAT-014	Q461485	270.00	272.00	2.00	VA14066930	0.010	280.0	<1
HAT-014	Q461486	272.00	274.00	2.00	VA14066930	0.010	430.0	<1
HAT-014	Q461487	274.00	276.00	2.00	VA14066930	0.010	130.0	<1
HAT-014	Q461488	276.00	278.00	2.00	VA14066930	0.010	120.0	<1
HAT-014	Q461489	278.00	280.00	2.00	VA14066930	<0.01	100.0	<1
HAT-014	Q461490	280.00	282.00	2.00	VA14066930	0.030	150.0	<1
HAT-014	Q461491	282.00	284.00	2.00	VA14066930	0.010	320.0	<1
HAT-014	Q461492	284.00	286.00	2.00	VA14066930	0.010	200.0	<1
HAT-014	Q461493	286.00	288.00	2.00	VA14066930	<0.01	90.0	<1
HAT-014	Q461494	288.00	290.00	2.00	VA14066930	0.020	460.0	<1
HAT-014	Q461495	290.00	292.00	2.00	VA14066930	<0.01	260.0	<1
HAT-014	Q461496	292.00	294.00	2.00	VA14066930	<0.01	140.0	<1
HAT-014	Q461497	294.00	296.00	2.00	VA14066930	<0.01	90.0	<1
HAT-014	Q461498	296.00	298.00	2.00	VA14066930	<0.01	210.0	<1
HAT-014	Q461499	298.00	300.00	2.00	VA14066930	0.010	260.0	<1
HAT-014	Q461500	300.00	302.00	2.00	VA14066930	<0.01	120.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-014	Q461531	302.00	304.00	2.00	VA14066930	<0.01	80.0	<1
HAT-014	Q461532	304.00	306.00	2.00	VA14066930	0.030	1230.0	<1
HAT-014	Q461533	306.00	308.00	2.00	VA14066930	0.010	740.0	<1
HAT-014	Q461534	308.00	310.00	2.00	VA14066930	0.020	550.0	<1
HAT-014	Q461535	310.00	312.00	2.00	VA14066930	0.010	270.0	<1
HAT-014	Q461536	312.00	314.00	2.00	VA14066930	<0.01	70.0	<1
HAT-014	Q461537	314.00	316.00	2.00	VA14066930	<0.01	420.0	<1
HAT-014	Q461538	316.00	318.00	2.00	VA14066930	<0.01	250.0	<1
HAT-014	Q461539	318.00	320.00	2.00	VA14066930	<0.01	110.0	<1
HAT-014	Q461540	320.00	322.00	2.00	VA14066930	0.010	480.0	<1
HAT-014	Q461541	322.00	324.00	2.00	VA14066930	<0.01	70.0	<1
HAT-014	Q461542	324.00	326.00	2.00	VA14066930	<0.01	230.0	<1
HAT-014	Q461543	326.00	328.00	2.00	VA14066930	<0.01	90.0	<1
HAT-014	Q461544	328.00	330.00	2.00	VA14066930	<0.01	80.0	<1
HAT-014	Q461545	330.00	332.00	2.00	VA14066930	0.010	100.0	<1
HAT-014	Q461546	332.00	334.00	2.00	VA14066930	<0.01	60.0	<1
HAT-014	Q461547	334.00	336.00	2.00	VA14066930	<0.01	80.0	<1
HAT-014	Q461548	336.00	336.80	0.80	VA14066930	<0.01	110.0	<1
HAT-015	Q461652	2.80	4.00	1.20	VA14066849	0.200	2960.0	<1
HAT-015	Q461653	4.00	6.00	2.00	VA14066849	0.030	800.0	<1
HAT-015	Q461654	6.00	8.00	2.00	VA14066849	0.020	470.0	<1
HAT-015	Q461655	8.00	10.00	2.00	VA14066849	0.010	470.0	<1
HAT-015	Q461656	10.00	12.00	2.00	VA14066849	0.010	270.0	<1
HAT-015	Q461657	12.00	14.00	2.00	VA14066849	0.010	190.0	<1
HAT-015	Q461658	14.00	16.00	2.00	VA14066849	0.010	120.0	<1
HAT-015	Q461659	16.00	18.00	2.00	VA14066849	0.040	970.0	<1
HAT-015	Q461660	18.00	20.00	2.00	VA14066849	0.040	1140.0	<1
HAT-015	Q461661	20.00	22.00	2.00	VA14066849	0.010	120.0	<1
HAT-015	Q461662	22.00	24.00	2.00	VA14066849	0.040	510.0	<1
HAT-015	Q461663	24.00	26.00	2.00	VA14066849	0.080	1280.0	<1
HAT-015	Q461664	26.00	28.00	2.00	VA14066849	0.010	130.0	<1
HAT-015	Q461665	28.00	30.00	2.00	VA14066849	0.010	140.0	<1
HAT-015	Q461666	30.00	32.00	2.00	VA14066849	0.010	140.0	<1
HAT-015	Q461667	32.00	34.00	2.00	VA14066849	0.010	90.0	<1
HAT-015	Q461668	34.00	36.00	2.00	VA14066849	0.010	240.0	<1
HAT-015	Q461669	36.00	38.00	2.00	VA14066849	0.010	390.0	<1
HAT-015	Q461670	38.00	40.00	2.00	VA14066849	0.020	90.0	<1
HAT-015	Q461671	40.00	42.00	2.00	VA14066849	0.010	60.0	<1
HAT-015	Q461672	42.00	44.00	2.00	VA14066849	0.020	380.0	<1
HAT-015	Q461673	44.00	46.00	2.00	VA14066849	0.050	730.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-015	Q461674	46.00	48.00	2.00	VA14066849	0.010	420.0	<1
HAT-015	Q461675	48.00	50.00	2.00	VA14066849	0.010	290.0	<1
HAT-015	Q461676	50.00	52.00	2.00	VA14066849	0.030	320.0	<1
HAT-015	Q461677	52.00	54.00	2.00	VA14066849	0.010	220.0	<1
HAT-015	Q461678	54.00	56.00	2.00	VA14066849	<0.01	90.0	<1
HAT-015	Q461679	56.00	58.00	2.00	VA14066849	0.010	270.0	<1
HAT-015	Q461680	58.00	60.00	2.00	VA14066849	0.020	300.0	<1
HAT-015	Q461681	60.00	62.00	2.00	VA14066849	0.010	300.0	<1
HAT-015	Q461682	62.00	64.00	2.00	VA14066849	0.010	120.0	<1
HAT-015	Q461683	64.00	66.00	2.00	VA14066849	0.010	170.0	<1
HAT-015	Q461684	66.00	68.00	2.00	VA14066849	0.040	330.0	<1
HAT-015	Q461685	68.00	70.00	2.00	VA14066849	0.040	190.0	<1
HAT-015	Q461686	70.00	72.00	2.00	VA14066849	0.040	310.0	<1
HAT-015	Q461687	72.00	74.00	2.00	VA14066849	0.010	170.0	<1
HAT-015	Q461688	74.00	76.00	2.00	VA14066849	0.010	220.0	<1
HAT-015	Q461689	76.00	78.00	2.00	VA14066849	0.010	260.0	<1
HAT-015	Q461690	78.00	80.00	2.00	VA14066849	0.010	220.0	<1
HAT-015	Q461691	80.00	82.00	2.00	VA14066849	0.010	260.0	<1
HAT-015	Q461692	82.00	84.00	2.00	VA14066849	0.010	160.0	<1
HAT-015	Q461693	84.00	86.00	2.00	VA14066849	0.010	180.0	<1
HAT-015	Q461694	86.00	88.00	2.00	VA14066849	<0.01	110.0	<1
HAT-015	Q461695	88.00	90.00	2.00	VA14066849	0.01	400.0	<1
HAT-015	Q461696	90.00	92.00	2.00	VA14066849	<0.01	320.0	<1
HAT-015	Q461697	92.00	94.00	2.00	VA14066849	<0.01	120.0	<1
HAT-015	Q461698	94.00	96.00	2.00	VA14066849	<0.01	140.0	<1
HAT-015	Q461699	96.00	98.00	2.00	VA14066849	0.01	200.0	<1
HAT-015	Q461700	98.00	100.00	2.00	VA14066849	<0.01	50.0	<1
HAT-015	Q461251	100.00	102.00	2.00	VA14066849	0.01	320.0	<1
HAT-015	Q461252	102.00	104.00	2.00	VA14066849	0.17	1870.0	<1
HAT-015	Q461253	104.00	106.00	2.00	VA14066849	0.01	300.0	<1
HAT-015	Q461254	106.00	108.00	2.00	VA14066849	0.03	460.0	<1
HAT-015	Q461255	108.00	110.00	2.00	VA14066849	0.01	240.0	<1
HAT-015	Q461256	110.00	112.00	2.00	VA14066849	0.04	1260.0	<1
HAT-015	Q461257	112.00	114.00	2.00	VA14066849	<0.01	190.0	<1
HAT-015	Q461258	114.00	116.00	2.00	VA14066849	0.01	460.0	<1
HAT-015	Q461259	116.00	118.00	2.00	VA14066849	0.020	690.0	<1
HAT-015	Q461260	118.00	120.00	2.00	VA14066849	0.020	660.0	<1
HAT-015	Q461261	120.00	122.00	2.00	VA14066849	0.010	280.0	<1
HAT-015	Q461262	122.00	124.00	2.00	VA14066849	0.020	210.0	<1
HAT-015	Q461263	124.00	126.00	2.00	VA14066849	0.020	240.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-015	Q461264	126.00	128.00	2.00	VA14066849	0.010	100.0	<1
HAT-015	Q461265	128.00	130.00	2.00	VA14066849	0.010	230.0	<1
HAT-015	Q461266	130.00	132.00	2.00	VA14066849	0.020	350.0	<1
HAT-015	Q461267	132.00	134.00	2.00	VA14066849	0.010	270.0	<1
HAT-015	Q461268	134.00	136.00	2.00	VA14066849	0.010	140.0	<1
HAT-015	Q461269	136.00	138.00	2.00	VA14066849	0.020	390.0	<1
HAT-015	Q461270	138.00	140.00	2.00	VA14066849	0.010	350.0	<1
HAT-015	Q461271	140.00	142.00	2.00	VA14066849	0.050	1130.0	1
HAT-015	Q461272	142.00	144.00	2.00	VA14066849	<0.01	100.0	<1
HAT-015	Q461273	144.00	146.00	2.00	VA14066849	0.01	150.0	<1
HAT-015	Q461274	146.00	148.00	2.00	VA14066849	0.01	100.0	<1
HAT-015	Q461275	148.00	150.00	2.00	VA14066849	<0.01	80.0	<1
HAT-015	Q461276	150.00	152.00	2.00	VA14066849	0.01	140.0	<1
HAT-015	Q461277	152.00	154.00	2.00	VA14066849	<0.01	70.0	<1
HAT-015	Q461278	154.00	156.00	2.00	VA14066849	0.01	70.0	<1
HAT-015	Q461279	156.00	158.00	2.00	VA14066849	0.01	110.0	<1
HAT-015	Q461280	158.00	160.00	2.00	VA14066849	<0.01	70.0	<1
HAT-015	Q461281	160.00	162.00	2.00	VA14066849	0.010	150.0	<1
HAT-015	Q461282	162.00	164.00	2.00	VA14066849	0.020	140.0	<1
HAT-015	Q461283 A	164.00	166.00	2.00	VA14066849	<0.01	60	<1
HAT-015	Q461283 B	164.00	166.00	2.00	VA14066849	0.01	470	<1
HAT-015	Q461284	166.00	168.00	2.00	VA14066849	0.03	180.0	<1
HAT-015	Q461285	168.00	170.00	2.00	VA14066849	0.02	180.0	<1
HAT-015	Q461286	170.00	172.00	2.00	VA14066849	0.01	120.0	<1
HAT-015	Q461287	172.00	174.00	2.00	VA14066849	<0.01	120.0	<1
HAT-015	Q461288	174.00	176.00	2.00	VA14066849	0.01	110.0	<1
HAT-015	Q461289	176.00	178.00	2.00	VA14066849	<0.01	130.0	<1
HAT-015	Q461290	178.00	180.00	2.00	VA14066849	0.01	110.0	<1
HAT-015	Q461291	180.00	182.00	2.00	VA14066849	<0.01	60.0	<1
HAT-015	Q461292	182.00	184.00	2.00	VA14066849	0.01	110.0	<1
HAT-015	Q461293	184.00	186.00	2.00	VA14066849	<0.01	60.0	<1
HAT-015	Q461294	186.00	188.00	2.00	VA14066849	0.010	130.0	<1
HAT-015	Q461295	188.00	190.00	2.00	VA14066849	0.010	160.0	<1
HAT-015	Q461296	190.00	192.00	2.00	VA14066849	0.010	100.0	<1
HAT-015	Q461297	192.00	194.00	2.00	VA14066849	0.010	120.0	<1
HAT-015	Q461298	194.00	196.00	2.00	VA14066849	0.010	180.0	<1
HAT-015	Q461299	196.00	198.00	2.00	VA14066849	<0.01	70.0	<1
HAT-015	Q461501	198.00	200.00	2.00	VA14066849	<0.01	100.0	<1
HAT-015	Q461502	200.00	202.00	2.00	VA14066849	0.010	110.0	<1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-015	Q461503	202.00	204.00	2.00	VA14066849	<0.01	70.0	<1
HAT-015	Q461504	204.00	206.00	2.00	VA14066849	0.010	90.0	<1
HAT-015	Q461505	206.00	208.00	2.00	VA14066849	<0.01	40.0	<1
HAT-016	2327351	28.40	31.50	3.10	SMI14000331	0.008	89.0	<0.1
HAT-016	2327352	31.50	33.70	2.20	SMI14000331	0.007	96.6	<0.1
HAT-016	2327353	33.70	36.70	3.00	SMI14000331	0.013	118.3	<0.1
HAT-016	2327354	36.70	39.70	3.00	SMI14000331	0.014	147.3	<0.1
HAT-016	2327355	39.70	42.70	3.00	SMI14000331	0.007	107.1	<0.1
HAT-016	2327356	42.70	45.70	3.00	SMI14000331	0.020	166.7	<0.1
HAT-016	2327357	45.70	47.70	2.00	SMI14000331	0.036	1455.7	0.40
HAT-016	2327358	47.70	49.70	2.00	SMI14000331	0.038	289.9	0.10
HAT-016	2327359	49.70	51.70	2.00	SMI14000331	0.030	355.4	0.20
HAT-016	2327360	51.70	53.00	1.30	SMI14000331	0.018	161.0	0.10
HAT-016	2327361	53.00	54.30	1.30	SMI14000331	0.032	303.5	0.30
HAT-016	2327362	54.30	56.65	2.35	SMI14000331	0.020	206.3	0.10
HAT-016	2327363	56.65	58.65	2.00	SMI14000331	0.067	712.9	0.40
HAT-016	2327364	58.65	60.96	2.31	SMI14000331	0.439	2812.2	2.10
HAT-016	2327365	60.96	63.00	2.04	SMI14000331	1.274	2582.3	2.80
HAT-016	2327366	63.00	65.00	2.00	SMI14000331	0.049	512.0	0.30
HAT-016	2327367	65.00	67.22	2.22	SMI14000331	0.065	2275.7	2.00
HAT-016	2327368	67.22	70.10	2.88	SMI14000331	0.038	896.7	1.10
HAT-016	2327369	70.10	72.10	2.00	SMI14000331	0.031	1815.9	1.20
HAT-016	2327370	72.10	74.10	2.00	SMI14000331	0.015	450.1	0.40
HAT-016	2327371	74.10	76.10	2.00	SMI14000331	0.014	90.7	<0.1
HAT-016	2327372	76.10	78.10	2.00	SMI14000331	0.007	85.4	0.10
HAT-016	2327373	78.10	80.10	2.00	SMI14000331	0.013	224.1	0.10
HAT-016	2327374	80.10	82.30	2.20	SMI14000331	0.008	295.6	0.10
HAT-016	2327375	82.30	84.30	2.00	SMI14000331	0.010	259.6	<0.1
HAT-016	2327376	84.30	87.00	2.70	SMI14000331	0.014	280.1	0.10
HAT-016	2327377	87.00	89.50	2.50	SMI14000331	0.055	399.4	0.10
HAT-016	2327378	89.50	92.00	2.50	SMI14000331	0.013	77.2	<0.1
HAT-016	2327379	92.00	94.50	2.50	SMI14000331	0.009	174.6	<0.1
HAT-016	2327380	94.50	97.00	2.50	SMI14000331	<0.005	31.7	<0.1
HAT-016	2327381	97.00	99.50	2.50	SMI14000331	0.012	700.3	0.40
HAT-016	2327382	99.50	101.50	2.00	SMI14000331	0.009	571.0	0.30
HAT-016	2327383	101.50	103.50	2.00	SMI14000331	0.047	902.3	0.40
HAT-016	2327384	103.50	105.50	2.00	SMI14000331	0.010	734.0	0.30
HAT-016	2327385	105.50	107.50	2.00	SMI14000331	0.006	325.3	0.20
HAT-016	2327386	107.50	109.50	2.00	SMI14000331	0.013	345.4	0.20
HAT-016	2327387	109.50	111.50	2.00	SMI14000331	0.022	455.0	0.20

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-016	2327388	111.50	113.50	2.00	SMI14000331	0.018	505.0	0.20
HAT-016	2327389	113.50	115.50	2.00	SMI14000331	0.077	1889.6	0.70
HAT-016	2327390	115.50	117.50	2.00	SMI14000331	0.061	81.4	0.10
HAT-016	2327391	117.50	120.00	2.50	SMI14000331	0.047	2423.8	1.50
HAT-016	2327392	120.00	122.50	2.50	SMI14000331	0.006	233.8	0.20
HAT-016	2327393	122.50	125.00	2.50	SMI14000331	0.006	121.1	<0.1
HAT-016	2327394	125.00	127.50	2.50	SMI14000331	0.016	522.0	0.20
HAT-016	2327395	127.50	129.50	2.00	SMI14000331	0.054	2326.1	0.70
HAT-016	2327396	129.50	131.50	2.00	SMI14000331	0.015	131.0	<0.1
HAT-016	2327397	131.50	133.50	2.00	SMI14000331	0.022	566.0	0.20
HAT-016	2327398	133.50	135.50	2.00	SMI14000331	0.008	429.4	0.30
HAT-016	2327399	135.50	137.50	2.00	SMI14000331	0.014	637.1	0.40
HAT-016	2327400	137.50	140.00	2.50	SMI14000331	0.174	241.3	0.20
HAT-016	2327401	140.00	142.50	2.50	SMI14000331	0.030	456.2	0.10
HAT-016	2327402	142.50	145.00	2.50	SMI14000331	0.047	629.4	0.20
HAT-016	2327403	145.00	147.50	2.50	SMI14000331	0.007	86.1	<0.1
HAT-016	2327404	147.50	150.00	2.50	SMI14000331	0.014	383.9	0.10
HAT-016	2327405	150.00	152.50	2.50	SMI14000331	0.024	1316.3	0.50
HAT-016	2327406	152.50	155.00	2.50	SMI14000331	0.024	851.8	0.30
HAT-016	2327407	155.00	156.75	1.75	SMI14000331	0.032	3440.2	1.10
HAT-016	2327408	156.75	158.75	2.00	SMI14000331	0.012	211.2	0.10
HAT-016	2327409	158.75	160.65	1.90	SMI14000331	0.073	1322.3	0.40
HAT-016	2327410	160.65	162.65	2.00	SMI14000331	0.205	4633.5	1.40
HAT-016	2327411	162.65	164.65	2.00	SMI14000331	0.324	8376.2	3.90
HAT-016	2327412	164.65	166.65	2.00	SMI14000331	0.370	10600.0	4.50
HAT-016	2327413	166.65	168.65	2.00	SMI14000331	0.007	474.5	0.20
HAT-016	2327414	168.65	170.69	2.04	SMI14000331	0.027	761.6	0.30
HAT-016	2327415	170.69	172.69	2.00	SMI14000331	0.010	226.9	<0.1
HAT-016	2327416	172.69	174.69	2.00	SMI14000331	0.006	107.3	<0.1
HAT-016	2327417	174.69	176.69	2.00	SMI14000331	0.016	347.2	0.10
HAT-016	2327418	176.69	178.69	2.00	SMI14000331	0.016	3989.4	1.80
HAT-016	2327419	178.69	180.69	2.00	SMI14000331	0.007	240.0	<0.1
HAT-016	2327420	180.69	182.40	1.71	SMI14000331	0.020	2000.3	0.80
HAT-016	2327421	182.40	183.70	1.30	SMI14000331	0.018	472.1	0.20
HAT-016	2327422	183.70	185.85	2.15	SMI14000331	0.036	3736.5	1.10
HAT-016	2327423	185.85	187.00	1.15	SMI14000331	0.043	7109.0	3.80
HAT-016	2327424	187.00	189.36	2.36	SMI14000331	0.031	10400.0	4.40
HAT-016	2327425	189.36	192.36	3.00	SMI14000331	0.005	198.5	<0.1
HAT-016	2327426	192.36	195.36	3.00	SMI14000331	0.005	141.7	<0.1
HAT-016	2327427	195.36	198.22	2.86	SMI14000331	0.006	139.1	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-016	2327428	198.22	201.00	2.78	SMI14000331	0.013	305.9	<0.1
HAT-016	2327429	201.00	203.40	2.40	SMI14000331	0.007	135.6	<0.1
HAT-016	2327430	203.40	205.60	2.20	SMI14000331	0.019	322.8	<0.1
HAT-016	2327431	205.60	208.60	3.00	SMI14000331	0.026	559.8	0.10
HAT-016	2327432	208.60	210.60	2.00	SMI14000331	0.054	906.3	0.30
HAT-016	2327433	210.60	212.60	2.00	SMI14000331	0.092	1168.4	0.20
HAT-016	2327434	212.60	215.05	2.45	SMI14000331	0.037	1173.9	0.20
HAT-016	2327435	215.05	217.05	2.00	SMI14000331	0.025	606.9	0.10
HAT-016	2327436	217.05	219.50	2.45	SMI14000331	0.041	1295.2	0.20
HAT-016	2327437	219.50	221.50	2.00	SMI14000331	0.180	613.9	0.10
HAT-016	2327438	221.50	224.50	3.00	SMI14000331	0.042	581.9	0.10
HAT-016	2327439	224.50	227.50	3.00	SMI14000331	0.064	839.7	0.20
HAT-016	2327440	227.50	230.50	3.00	SMI14000331	0.036	429.1	<0.1
HAT-016	2327441	230.50	233.50	3.00	SMI14000331	0.048	661.7	0.20
HAT-016	2327442	233.50	236.50	3.00	SMI14000331	0.013	285.5	<0.1
HAT-016	2327443	236.50	239.50	3.00	SMI14000331	0.045	406.3	<0.1
HAT-016	2327444	239.50	242.50	3.00	SMI14000331	0.056	249.5	<0.1
HAT-016	2327445	242.50	245.20	2.70	SMI14000331	0.017	235.7	<0.1
HAT-016	2327446	245.20	246.75	1.55	SMI14000331	0.014	735.0	0.30
HAT-016	2327447	246.75	249.50	2.75	SMI14000331	0.020	176.1	<0.1
HAT-016	2327448	249.50	252.00	2.50	SMI14000331	0.016	197.9	<0.1
HAT-016	2327449	252.00	254.25	2.25	SMI14000331	0.111	346.6	0.10
HAT-016	2327450	254.25	256.15	1.90	SMI14000331	0.050	692.0	0.10
HAT-016	2327451	256.15	259.15	3.00	SMI14000331	0.214	2185.3	0.30
HAT-016	2327452	259.15	262.15	3.00	SMI14000331	0.059	590.3	<0.1
HAT-016	2327453	262.15	265.18	3.03	SMI14000331	0.126	1689.7	0.20
HAT-016	2327454	265.18	268.22	3.04	SMI14000331	0.077	1197.0	0.10
HAT-016	2327455	268.22	271.27	3.05	SMI14000331	0.031	461.0	<0.1
HAT-016	2327456	271.27	274.32	3.05	SMI14000331	0.021	232.8	<0.1
HAT-016	2327457	274.32	276.52	2.20	SMI14000331	0.220	2264.9	0.20
HAT-016	2327458	276.52	278.00	1.48	SMI14000331	0.046	660.8	<0.1
HAT-016	2327459	278.00	279.70	1.70	SMI14000331	0.214	1071.0	0.10
HAT-016	2327460	279.70	282.20	2.50	SMI14000331	0.027	328.4	<0.1
HAT-016	2327461	282.20	284.20	2.00	SMI14000331	0.136	1432.6	0.10
HAT-016	2327462	284.20	286.50	2.30	SMI14000331	0.448	3814.0	0.30
HAT-016	2327463	286.50	288.50	2.00	SMI14000331	0.742	4049.5	0.50
HAT-016	2327464	288.50	291.00	2.50	SMI14000331	0.282	2505.3	0.40
HAT-016	2327465	291.00	293.00	2.00	SMI14000331	0.188	1298.6	0.10
HAT-016	2327466	293.00	295.00	2.00	SMI14000331	0.227	1149.6	0.10
HAT-016	2327467	295.00	297.50	2.50	SMI14000331	0.623	1203.0	0.10

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-016	2327468	297.50	300.00	2.50	SMI14000331	0.916	2224.3	0.30
HAT-016	2327469	300.00	302.50	2.50	SMI14000331	0.221	1232.4	0.10
HAT-016	2327470	302.50	304.80	2.30	SMI14000331	0.083	1329.8	0.10
HAT-016	2327471	304.80	306.80	2.00	SMI14000331	0.449	2130.6	0.20
HAT-016	2327472	306.80	308.80	2.00	SMI14000331	0.150	761.5	<0.1
HAT-016	2327473	308.80	310.80	2.00	SMI14000331	1.535	3371.6	0.40
HAT-016	2327474	310.80	312.80	2.00	SMI14000331	0.339	4721.3	0.40
HAT-016	2327475	312.80	314.80	2.00	SMI14000331	0.319	3292.8	0.20
HAT-016	2327476	314.80	316.80	2.00	SMI14000331	0.333	5100.2	0.40
HAT-016	2327477	316.80	318.80	2.00	SMI14000331	0.165	3718.1	0.20
HAT-016	2327478	318.80	320.80	2.00	SMI14000331	0.201	1908.0	0.20
HAT-016	2327479	320.80	321.80	1.00	SMI14000338	1.677	21800.0	1.10
HAT-016	2327480	321.80	323.57	1.77	SMI14000338	0.125	2211.1	0.10
HAT-016	2327481	323.57	325.57	2.00	SMI14000338	0.663	9978.0	0.80
HAT-016	2327482	325.57	327.57	2.00	SMI14000338	0.768	13000.0	1.00
HAT-016	2327483	327.57	329.57	2.00	SMI14000338	0.468	7892.6	0.40
HAT-016	2327484	329.57	331.57	2.00	SMI14000338	0.344	10600.0	0.60
HAT-016	2327485	331.57	333.57	2.00	SMI14000338	0.257	9075.9	0.70
HAT-016	2327486	333.57	335.57	2.00	SMI14000338	0.039	2011.2	0.20
HAT-016	2327487	335.57	337.57	2.00	SMI14000338	0.028	198.2	<0.1
HAT-016	2327488	337.57	339.57	2.00	SMI14000338	0.030	224.2	<0.1
HAT-016	2327489	339.57	341.57	2.00	SMI14000338	0.018	251.6	<0.1
HAT-016	2327490	341.57	344.57	3.00	SMI14000338	0.013	216.4	<0.1
HAT-016	2327491	344.57	347.57	3.00	SMI14000338	0.038	199.7	<0.1
HAT-016	2327492	347.57	350.57	3.00	SMI14000338	0.018	135.6	<0.1
HAT-016	2327493	350.57	352.57	2.00	SMI14000338	0.066	414.0	<0.1
HAT-016	2327494	352.57	354.85	2.28	SMI14000338	0.170	299.2	<0.1
HAT-016	2327495	354.85	356.15	1.30	SMI14000338	0.047	198.1	<0.1
HAT-016	2327496	356.15	359.65	3.50	SMI14000338	0.023	202.7	<0.1
HAT-016	2327497	359.65	361.65	2.00	SMI14000338	0.031	655.9	<0.1
HAT-016	2327498	361.65	363.65	2.00	SMI14000338	0.099	235.1	<0.1
HAT-016	2327499	363.65	365.65	2.00	SMI14000338	0.017	62.8	<0.1
HAT-016	2327500	365.65	367.65	2.00	SMI14000338	0.009	524.5	<0.1
HAT-016	2327501	367.65	369.65	2.00	SMI14000338	0.012	106.0	<0.1
HAT-016	2327502	369.65	371.65	2.00	SMI14000338	<0.005	27.4	<0.1
HAT-016	2327503	371.65	373.65	2.00	SMI14000338	0.063	38.8	<0.1
HAT-016	2327504	373.65	375.65	2.00	SMI14000338	0.067	260.1	<0.1
HAT-016	2327505	375.65	377.65	2.00	SMI14000338	0.021	103.4	<0.1
HAT-016	2327506	377.65	379.65	2.00	SMI14000338	0.008	141.8	<0.1
HAT-016	2327507	379.65	381.65	2.00	SMI14000338	0.023	385.5	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-016	2327508	381.65	384.00	2.35	SMI14000338	0.006	140.3	<0.1
HAT-016	2327509	384.00	386.50	2.50	SMI14000338	0.015	83.8	<0.1
HAT-016	2327510	386.50	389.00	2.50	SMI14000338	0.010	181.1	<0.1
HAT-016	2327511	389.00	391.50	2.50	SMI14000338	0.024	228.9	<0.1
HAT-016	2327512	391.50	394.00	2.50	SMI14000338	0.016	161.5	<0.1
HAT-016	2327513	394.00	396.50	2.50	SMI14000338	0.011	98.0	<0.1
HAT-016	2327514	396.50	399.00	2.50	SMI14000338	0.049	625.5	<0.1
HAT-016	2327515	399.00	401.00	2.00	SMI14000338	0.265	1224.2	0.30
HAT-016	2327516	401.00	403.00	2.00	SMI14000338	<0.005	214.0	<0.1
HAT-016	2327517	403.00	405.00	2.00	SMI14000338	0.054	583.2	0.20
HAT-016	2327518	405.00	407.00	2.00	SMI14000338	0.116	1567.1	0.20
HAT-016	2327519	407.00	409.00	2.00	SMI14000338	0.031	749.8	<0.1
HAT-016	2327520	409.00	411.00	2.00	SMI14000338	0.201	2787.2	0.40
HAT-016	2327521	411.00	413.00	2.00	SMI14000338	0.105	1781.4	0.20
HAT-016	2327522	413.00	414.50	1.50	SMI14000338	0.433	4243.2	0.40
HAT-016	2327523	414.50	416.50	2.00	SMI14000338	0.010	85.8	<0.1
HAT-016	2327524	416.50	418.00	1.50	SMI14000338	0.015	181.4	<0.1
HAT-016	2327525	418.00	420.50	2.50	SMI14000338	0.114	1375.7	0.10
HAT-016	2327526	420.50	423.00	2.50	SMI14000338	0.069	915.1	<0.1
HAT-016	2327527	423.00	425.00	2.00	SMI14000338	0.089	1057.3	0.10
HAT-016	2327528	425.00	427.00	2.00	SMI14000338	0.171	1304.5	0.30
HAT-016	2327529	427.00	429.00	2.00	SMI14000338	0.219	2694.4	0.60
HAT-016	2327530	429.00	431.00	2.00	SMI14000338	0.023	227.6	<0.1
HAT-016	2327531	431.00	433.00	2.00	SMI14000338	0.025	91.2	<0.1
HAT-016	2327532	433.00	435.00	2.00	SMI14000338	0.018	141.8	<0.1
HAT-016	2327533	435.00	437.40	2.40	SMI14000338	0.010	48.8	<0.1
HAT-017	2620651	39.70	41.70	2.00	SMI14000338	0.051	765.4	0.30
HAT-017	2620652	41.70	43.70	2.00	SMI14000338	0.043	369.4	0.10
HAT-017	2620653	43.70	45.70	2.00	SMI14000338	0.020	314.5	<0.1
HAT-017	2620654	45.70	49.00	3.30	SMI14000338	0.152	94.2	<0.1
HAT-017	2620655	49.00	52.00	3.00	SMI14000338	0.158	296.8	0.10
HAT-017	2620656	52.00	54.35	2.35	SMI14000338	0.022	271.9	<0.1
HAT-017	2620657	54.35	56.75	2.40	SMI14000338	0.014	1410.7	0.90
HAT-017	2620658	56.75	59.00	2.25	SMI14000338	0.079	407.4	0.30
HAT-017	2620659	59.00	61.50	2.50	SMI14000338	0.010	368.1	0.20
HAT-017	2620660	61.50	64.00	2.50	SMI14000338	0.023	222.5	0.10
HAT-017	2620661	64.00	66.50	2.50	SMI14000338	0.020	546.6	0.30
HAT-017	2620662	66.50	68.25	1.75	SMI14000338	0.016	109.2	<0.1
HAT-017	2620663	68.25	70.25	2.00	SMI14000338	0.040	2356.4	1.50
HAT-017	2620664	70.25	72.45	2.20	SMI14000338	0.018	885.4	0.70

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-017	2620665	72.45	74.45	2.00	SMI14000338	0.511	3625.9	6.40
HAT-017	2620666	74.45	76.50	2.05	SMI14000338	0.052	517.7	0.60
HAT-017	2620667	76.50	79.50	3.00	SMI14000338	0.018	279.2	0.10
HAT-017	2620668	79.50	82.50	3.00	SMI14000338	0.013	112.8	<0.1
HAT-017	2620669	82.50	85.50	3.00	SMI14000338	0.007	173.8	<0.1
HAT-017	2620670	85.50	88.50	3.00	SMI14000338	0.012	163.9	<0.1
HAT-017	2620671	88.50	91.50	3.00	SMI14000338	0.006	214.0	<0.1
HAT-017	2620672	91.50	94.50	3.00	SMI14000338	0.017	225.7	<0.1
HAT-017	2620673	94.50	97.50	3.00	SMI14000338	0.016	188.7	<0.1
HAT-017	2620674	97.50	100.50	3.00	SMI14000338	0.023	219.5	0.1
HAT-017	2620675	100.50	103.50	3.00	SMI14000338	0.020	236.0	<0.1
HAT-017	2620676	103.50	106.50	3.00	SMI14000338	0.015	189.5	<0.1
HAT-017	2620677	106.50	109.50	3.00	SMI14000338	0.014	281.8	<0.1
HAT-017	2620678	109.50	112.50	3.00	SMI14000338	<0.005	41.4	<0.1
HAT-017	2620679	112.50	115.50	3.00	SMI14000338	0.007	226.1	0.1
HAT-017	2620680	115.50	118.50	3.00	SMI14000338	0.023	1486.1	1
HAT-017	2620681	118.50	121.50	3.00	SMI14000338	<0.005	100.7	<0.1
HAT-017	2620682	121.50	124.50	3.00	SMI14000338	0.017	999.7	0.40
HAT-017	2620683	124.50	127.50	3.00	SMI14000338	0.071	489.7	0.20
HAT-017	2620684	127.50	130.50	3.00	SMI14000338	0.021	464.8	0.10
HAT-017	2620685	130.50	133.50	3.00	SMI14000338	0.021	550.0	0.20
HAT-017	2620686	133.50	136.50	3.00	SMI14000338	0.077	1147.5	0.40
HAT-017	2620687	136.50	139.50	3.00	SMI14000338	0.036	754.4	0.30
HAT-017	2620688	139.50	142.50	3.00	SMI14000338	0.009	225.0	<0.1
HAT-017	2620689	142.50	145.50	3.00	SMI14000338	0.023	275.3	<0.1
HAT-017	2620690	145.50	148.50	3.00	SMI14000338	0.032	398.2	0.10
HAT-017	2620691	148.50	150.50	2.00	SMI14000338	0.041	601.1	0.20
HAT-017	2620692	150.50	152.40	1.90	SMI14000338	0.010	194.9	0.10
HAT-017	2620693	152.40	154.15	1.75	SMI14000338	0.121	4026.5	3.80
HAT-017	2620694	154.15	157.15	3.00	SMI14000338	0.044	189.4	0.20
HAT-017	2620695	157.15	160.15	3.00	SMI14000338	0.014	176.6	<0.1
HAT-017	2620696	160.15	163.15	3.00	SMI14000338	0.026	150.7	<0.1
HAT-017	2620697	163.15	165.65	2.50	SMI14000338	0.018	66.5	<0.1
HAT-017	2620698	165.65	168.15	2.50	SMI14000338	0.011	347.1	0.2
HAT-017	2620699	168.15	170.65	2.50	SMI14000338	0.005	83.0	<0.1
HAT-017	2620700	170.65	173.15	2.50	SMI14000338	<0.005	89.8	<0.1
HAT-017	2620701	173.15	175.65	2.50	SMI14000338	0.010	225.8	0.10
HAT-017	2620702	175.65	178.15	2.50	SMI14000338	0.015	334.4	0.20
HAT-017	2620703	178.15	180.65	2.50	SMI14000338	0.036	365.1	0.20
HAT-017	2620704	180.65	182.65	2.00	SMI14000338	0.129	2485.7	0.60

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-017	2620705	182.65	185.15	2.50	SMI14000338	0.012	174.1	0.10
HAT-017	2620706	185.15	188.00	2.85	SMI14000338	0.013	215.9	1.60
HAT-017	2620707	188.00	191.00	3.00	SMI14000338	0.010	146.5	0.10
HAT-017	2620708	191.00	193.50	2.50	SMI14000338	0.007	134.4	<0.1
HAT-017	2620709	193.50	196.00	2.50	SMI14000338	0.005	89.4	<0.1
HAT-017	2620710	196.00	198.50	2.50	SMI14000338	<0.005	61.0	<0.1
HAT-017	2620711	198.50	201.00	2.50	SMI14000338	0.009	123.5	<0.1
HAT-017	2620712	201.00	203.50	2.50	SMI14000338	0.006	80.1	<0.1
HAT-017	2620713	203.50	206.00	2.50	SMI14000338	0.038	541.0	<0.1
HAT-017	2620714	206.00	208.50	2.50	SMI14000338	0.005	93.8	<0.1
HAT-017	2620715	208.50	211.00	2.50	SMI14000338	0.006	178.6	<0.1
HAT-017	2620716	211.00	213.50	2.50	SMI14000338	0.009	125.3	<0.1
HAT-017	2620717	213.50	216.00	2.50	SMI14000338	0.015	181.3	0.1
HAT-017	2620718	216.00	218.50	2.50	SMI14000338	0.016	385.6	0.1
HAT-017	2620719	218.50	221.00	2.50	SMI14000338	0.012	219.6	<0.1
HAT-017	2620721	221.00	224.40	3.40	SMI14000338	0.107	987.0	0.20
HAT-017	2620722	224.40	225.70	1.30	SMI14000338	0.843	2832.0	0.50
HAT-017	2620723	225.70	228.60	2.90	SMI14000338	0.012	478.5	0.10
HAT-017	2620724	228.60	231.60	3.00	SMI14000338	0.029	502.5	0.20
HAT-017	2620725	231.60	234.60	3.00	SMI14000338	0.236	1967.8	0.60
HAT-017	2620726	234.60	237.60	3.00	SMI14000338	0.384	1441.9	0.50
HAT-017	2620727	237.60	239.60	2.00		0.000	0.0	0.00
HAT-017	2620728	239.60	240.79	1.19	SMI14000338	0.036	305.5	0.10
HAT-017	2620729	240.79	243.84	3.05	SMI14000338	0.163	5458.8	1.40
HAT-017	2620730	243.84	246.00	2.16	SMI14000338	0.035	1280.0	0.30
HAT-017	2620731	246.00	248.50	2.50	SMI14000338	0.043	508.6	0.10
HAT-017	2620732	248.50	250.00	1.50	SMI14000338	0.057	699.5	0.20
HAT-017	2620733	250.00	252.00	2.00	SMI14000338	0.534	8373.6	1.30
HAT-017	2620734	252.00	254.00	2.00	SMI14000338	0.184	1541.2	0.30
HAT-017	2620735	254.00	256.00	2.00	SMI14000338	0.049	603.8	0.10
HAT-017	2620736	256.00	258.50	2.50	SMI14000339	0.070	717.7	<0.1
HAT-017	2620737	258.50	261.00	2.50	SMI14000339	0.306	3664.4	0.60
HAT-017	2620738	261.00	264.00	3.00	SMI14000339	0.067	932.4	0.20
HAT-017	2620739	264.00	266.50	2.50	SMI14000339	0.078	1397.3	0.20
HAT-017	2620740	266.50	269.00	2.50	SMI14000339	0.103	1136.7	0.20
HAT-017	2620741	269.00	271.50	2.50	SMI14000339	0.071	626.2	0.20
HAT-017	2620742	271.50	274.00	2.50	SMI14000339	0.191	808.5	0.20
HAT-017	2620743	274.00	276.00	2.00	SMI14000339	0.076	1473.4	0.20
HAT-017	2620744	276.00	278.00	2.00	SMI14000339	0.148	1655.9	0.20
HAT-017	2620745	278.00	280.00	2.00	SMI14000339	0.527	7588.6	0.50

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-017	2620746	280.00	282.50	2.50	SMI14000339	0.328	4325.0	0.50
HAT-017	2620747	282.50	285.00	2.50	SMI14000339	0.152	3199.9	0.20
HAT-017	2620748	285.00	286.50	1.50	SMI14000339	0.169	3376.0	0.30
HAT-017	2620749	286.50	288.50	2.00	SMI14000339	0.130	2487.9	0.20
HAT-017	2620750	288.50	290.50	2.00	SMI14000339	0.241	4245.5	0.40
HAT-017	2620751	290.50	292.00	1.50	SMI14000339	0.322	3923.2	0.50
HAT-017	2620752	292.00	294.50	2.50	SMI14000339	0.125	1015.5	0.10
HAT-017	2620753	294.50	297.00	2.50	SMI14000339	0.063	715.8	<0.1
HAT-017	2620754	297.00	299.50	2.50	SMI14000339	0.260	1888.9	0.2
HAT-017	2620755	299.50	302.00	2.50	SMI14000339	0.188	831.8	<0.1
HAT-017	2620756	302.00	304.80	2.80	SMI14000339	0.264	1051.6	0.2
HAT-017	2620757	304.80	306.60	1.80	SMI14000339	0.255	2522.9	0.2
HAT-017	2620758	306.60	307.85	1.25	SMI14000339	1.769	10200.0	2.3
HAT-017	2620759	307.85	309.85	2.00	SMI14000339	2.375	4030.0	0.5
HAT-017	2620760	309.85	310.85	1.00	SMI14000339	2.189	7933.8	0.9
HAT-017	2620761	310.85	312.35	1.50	SMI14000339	0.148	1573.5	<0.1
HAT-017	2620762	312.35	315.85	3.50	SMI14000339	0.120	1063.6	0.1
HAT-017	2620763	315.85	318.85	3.00	SMI14000339	0.096	1693.2	<0.1
HAT-017	2620764	318.85	321.85	3.00	SMI14000339	0.117	1892.1	0.10
HAT-017	2620765	321.85	324.85	3.00	SMI14000339	0.166	1721.7	0.20
HAT-017	2620766	324.85	327.35	2.50	SMI14000339	0.107	1403.4	0.10
HAT-017	2620767	327.35	329.85	2.50	SMI14000339	0.134	1672.9	0.10
HAT-017	2620768	329.85	331.85	2.00	SMI14000339	0.482	6890.0	0.70
HAT-017	2620769	331.85	334.00	2.15	SMI14000339	1.906	29300.0	2.60
HAT-017	2620770	334.00	336.00	2.00	SMI14000339	0.329	4862.9	0.70
HAT-017	2620771	336.00	338.00	2.00	SMI14000339	0.690	7040.7	0.90
HAT-017	2620772	338.00	340.00	2.00	SMI14000339	0.287	2518.0	0.40
HAT-017	2620773	340.00	342.00	2.00	SMI14000339	0.465	4323.6	0.60
HAT-017	2620774	342.00	344.00	2.00	SMI14000339	0.281	2758.0	0.50
HAT-017	2620775	344.00	346.00	2.00	SMI14000339	0.309	3181.2	0.60
HAT-017	2620776	346.00	348.00	2.00	SMI14000339	0.263	2868.8	0.40
HAT-017	2620777	348.00	350.50	2.50	SMI14000339	0.032	546.9	0.10
HAT-017	2620778	350.50	352.50	2.00	SMI14000339	0.086	1148.5	0.20
HAT-017	2620779	352.50	355.00	2.50	SMI14000339	0.012	205.3	<0.1
HAT-017	2620780	355.00	357.00	2.00	SMI14000339	0.194	1770.4	0.20
HAT-017	2620781	357.00	359.00	2.00	SMI14000339	0.240	2757.4	0.50
HAT-017	2620782	359.00	361.50	2.50	SMI14000339	0.146	2083.2	0.40
HAT-017	2620783	361.50	364.00	2.50	SMI14000339	0.192	2076.4	0.40
HAT-017	2620784	364.00	366.50	2.50	SMI14000339	0.444	5153.6	0.80
HAT-017	2620785	366.50	369.00	2.50	SMI14000339	0.214	1733.2	0.40

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-017	2620786	369.00	371.50	2.50	SMI14000339	0.200	1954.3	0.30
HAT-017	2620787	371.50	374.00	2.50	SMI14000339	0.247	1769.2	0.20
HAT-017	2620788	374.00	376.50	2.50	SMI14000339	0.104	1112.5	0.20
HAT-017	2620789	376.50	379.00	2.50	SMI14000339	0.219	2441.8	0.40
HAT-017	2620790	379.00	381.50	2.50	SMI14000339	0.468	5768.6	0.70
HAT-017	2620791	381.50	384.00	2.50	SMI14000345	0.205	3162.4	0.30
HAT-017	2620792	384.00	386.50	2.50	SMI14000345	0.410	5644.3	0.70
HAT-017	2620793	386.50	389.00	2.50	SMI14000345	0.186	2997.3	0.30
HAT-017	2620794	389.00	391.50	2.50	SMI14000345	0.086	1572.9	0.20
HAT-017	2620795	391.50	394.00	2.50	SMI14000345	0.273	3667.2	0.30
HAT-017	2620796	394.00	396.24	2.24	SMI14000345	0.033	408.0	<0.1
HAT-017	2620797	396.24	398.90	2.66	SMI14000345	0.037	558.1	<0.1
HAT-017	2620798	398.90	401.40	2.50	SMI14000345	0.235	3480.5	0.30
HAT-017	2620799	401.40	403.90	2.50	SMI14000345	0.271	4420.7	0.60
HAT-017	2620800	403.90	406.40	2.50	SMI14000345	0.116	1759.4	0.50
HAT-017	2620801	406.40	408.90	2.50	SMI14000345	0.057	1140.4	0.20
HAT-017	2620802	408.90	411.40	2.50	SMI14000345	0.047	1231.9	0.20
HAT-017	2620803	411.40	413.90	2.50	SMI14000345	0.047	1094.6	0.20
HAT-017	2620804	413.90	416.40	2.50	SMI14000345	0.043	542.9	0.20
HAT-017	2620805	416.40	418.90	2.50	SMI14000345	0.053	910.6	0.20
HAT-017	2620806	418.90	421.40	2.50	SMI14000345	0.085	1051.9	0.20
HAT-017	2620807	421.40	423.90	2.50	SMI14000345	0.117	2649.7	0.60
HAT-017	2620808	423.90	426.40	2.50	SMI14000345	0.509	7631.6	1.60
HAT-017	2620809	426.40	428.90	2.50	SMI14000345	0.076	6344.9	1.60
HAT-017	2620810	428.90	431.40	2.50	SMI14000345	0.054	4048.0	0.90
HAT-017	2620811	431.40	433.90	2.50	SMI14000345	0.036	2709.0	0.60
HAT-017	2620812	433.90	436.40	2.50	SMI14000345	0.051	3394.3	0.70
HAT-017	2620813	436.40	438.40	2.00	SMI14000345	0.143	3244.9	0.60
HAT-017	2620814	438.40	440.40	2.00	SMI14000345	0.305	12200.0	4.10
HAT-017	2620815	440.40	442.40	2.00	SMI14000345	0.056	2855.3	0.70
HAT-017	2620816	442.40	444.90	2.50	SMI14000345	0.018	414.0	0.10
HAT-017	2620817	444.90	447.40	2.50	SMI14000345	0.015	632.3	0.20
HAT-017	2620818	447.40	449.90	2.50	SMI14000345	0.057	2180.8	1.00
HAT-017	2620819	449.90	452.40	2.50	SMI14000345	0.030	926.4	0.20
HAT-017	2620820	452.40	454.90	2.50	SMI14000345	0.025	613.4	0.10
HAT-017	2620821	454.90	457.40	2.50	SMI14000345	0.029	941.3	0.20
HAT-017	2620822	457.40	459.90	2.50	SMI14000345	0.031	891.1	0.20
HAT-017	2620823	459.90	462.40	2.50	SMI14000345	0.027	673.3	0.30
HAT-017	2620824	462.40	464.90	2.50	SMI14000345	0.008	120.0	0.10
HAT-017	2620825	464.90	467.40	2.50	SMI14000345	0.060	69.2	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-017	2620826	467.40	470.40	3.00	SMI14000345	0.043	260.7	0.1
HAT-017	2620827	470.40	473.40	3.00	SMI14000345	0.007	161.8	<0.1
HAT-017	2620828	473.40	476.40	3.00	SMI14000345	<0.005	77.1	<0.1
HAT-017	2620829	476.40	479.00	2.60	SMI14000345	0.036	586.8	0.2
HAT-017	2620830	479.00	481.58	2.58	SMI14000345	0.019	280.5	<0.1
HAT-018	2620501	6.10	9.14	3.04	SMI14000345	0.007	69.3	<0.1
HAT-018	2620502	9.14	12.19	3.05	SMI14000345	0.079	214.0	0.2
HAT-018	2620503	12.19	15.24	3.05	SMI14000345	0.017	247.1	0.2
HAT-018	2620504	15.24	18.29	3.05	SMI14000345	0.030	102.1	<0.1
HAT-018	2620505	18.29	21.34	3.05	SMI14000345	0.091	60.9	<0.1
HAT-018	2620506	21.34	24.38	3.04	SMI14000345	0.080	398.1	0.2
HAT-018	2620507	24.38	27.43	3.05	SMI14000345	0.026	257.7	0.2
HAT-018	2620508	27.43	30.48	3.05	SMI14000345	0.014	99.0	<0.1
HAT-018	2620509	30.48	33.53	3.05	SMI14000345	0.051	94.7	<0.1
HAT-018	2620510	33.53	36.58	3.05	SMI14000345	0.017	26.6	<0.1
HAT-018	2620511	36.58	39.62	3.04	SMI14000345	0.113	147.6	<0.1
HAT-018	2620512	39.62	42.07	2.45	SMI14000345	0.025	143.7	<0.1
HAT-018	2620513	42.07	42.67	0.60	SMI14000345	0.415	2738.0	1.5
HAT-018	2620514	42.67	45.72	3.05	SMI14000345	0.037	309.0	0.2
HAT-018	2620515	45.72	48.77	3.05	SMI14000345	0.088	886.4	0.4
HAT-018	2620516	48.77	51.82	3.05	SMI14000345	0.080	968.5	0.5
HAT-018	2620517	51.82	54.86	3.04	SMI14000345	0.029	460.1	0.1
HAT-018	2620518	54.86	57.91	3.05	SMI14000345	0.110	571.9	0.1
HAT-018	2620519	57.91	60.96	3.05	SMI14000345	0.046	50.7	<0.1
HAT-018	2620520	60.96	64.01	3.05	SMI14000345	0.016	297.5	0.2
HAT-018	2620521	64.01	67.06	3.05	SMI14000345	0.012	290.8	0.1
HAT-018	2620522	67.06	70.10	3.04	SMI14000345	<0.005	60.9	<0.1
HAT-018	2620523	70.10	73.15	3.05	SMI14000345	0.009	223.5	<0.1
HAT-018	2620524	73.15	76.20	3.05	SMI14000345	0.038	309.3	<0.1
HAT-018	2620525	76.20	79.25	3.05	SMI14000345	0.023	102.4	<0.1
HAT-018	2620526	79.25	82.30	3.05	SMI14000345	0.013	198.0	<0.1
HAT-018	2620527	82.30	85.34	3.04	SMI14000345	0.021	169.8	0.10
HAT-018	2620528	85.34	88.39	3.05	SMI14000345	0.013	292.2	0.20
HAT-018	2620529	88.39	91.44	3.05	SMI14000345	0.318	1829.0	0.70
HAT-018	2620530	91.44	94.49	3.05	SMI14000345	0.118	90.5	0.10
HAT-018	2620531	94.49	97.54	3.05	SMI14000345	0.293	3520.1	1.80
HAT-018	2620532	97.54	100.58	3.04	SMI14000345	0.037	829.2	0.30
HAT-018	2620533	100.58	103.63	3.05	SMI14000345	0.012	128.2	<0.1
HAT-018	2620534	103.63	106.68	3.05	SMI14000345	0.010	131.3	0.1
HAT-018	2620535	106.68	109.73	3.05	SMI14000345	0.024	684.1	0.2

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-018	2620536	109.73	112.78	3.05	SMI14000345	0.012	65.3	<0.1
HAT-018	2620537	112.78	115.82	3.04	SMI14000345	0.132	147.6	<0.1
HAT-018	2620538	115.82	118.87	3.05	SMI14000345	0.020	146.8	<0.1
HAT-018	2620539	118.87	121.92	3.05	SMI14000345	0.038	579.8	0.2
HAT-018	2620540	121.92	124.97	3.05	SMI14000345	0.016	134.1	0.3
HAT-018	2620541	124.97	128.02	3.05	SMI14000345	0.017	311.5	0.3
HAT-018	2620542	128.02	131.06	3.04	SMI14000345	0.085	574.6	0.2
HAT-018	2620543	131.06	134.11	3.05	SMI14000345	0.012	99.5	0.1
HAT-018	2620544	134.11	137.16	3.05	SMI14000345	0.009	72.3	<0.1
HAT-018	2620545	137.16	140.20	3.04	SMI14000345	0.006	124.1	0.10
HAT-018	2620546	140.20	143.26	3.06	SMI14000342	0.011	94.8	<0.1
HAT-018	2620547	143.26	146.30	3.04	SMI14000342	0.124	113.4	0.30
HAT-018	2620548	146.30	149.35	3.05	SMI14000342	0.013	289.9	0.10
HAT-018	2620549	149.35	152.40	3.05	SMI14000342	0.028	200.3	<0.1
HAT-018	2620550	152.40	155.45	3.05	SMI14000342	0.111	1282.1	0.20
HAT-018	2620551	155.45	158.50	3.05	SMI14000342	0.100	773.4	0.20
HAT-018	2620552	158.50	161.54	3.04	SMI14000342	0.117	655.8	0.20
HAT-018	2620553	161.54	164.59	3.05	SMI14000342	0.038	531.6	<0.1
HAT-018	2620554	164.59	167.64	3.05	SMI14000342	0.180	354.0	<0.1
HAT-018	2620555	167.64	170.69	3.05	SMI14000342	0.134	638.5	<0.1
HAT-018	2620556	170.69	173.74	3.05	SMI14000342	0.199	1106.9	0.10
HAT-018	2620557	173.74	176.78	3.04	SMI14000342	0.099	784.2	0.10
HAT-018	2620558	176.78	179.83	3.05	SMI14000342	0.139	1294.2	0.20
HAT-018	2620559	179.83	182.88	3.05	SMI14000342	1.590	4825.9	0.60
HAT-018	2620560	182.88	185.93	3.05	SMI14000342	0.509	2116.4	0.20
HAT-018	2620561	185.93	188.98	3.05	SMI14000342	0.211	1432.6	0.10
HAT-018	2620562	188.98	192.02	3.04	SMI14000342	0.387	2232.1	0.30
HAT-018	2620563	192.02	195.07	3.05	SMI14000342	0.141	1516.9	0.20
HAT-018	2620564	195.07	198.12	3.05	SMI14000342	0.333	2533.6	0.30
HAT-018	2620565	198.12	201.17	3.05	SMI14000342	0.042	1007.6	0.40
HAT-018	2620566	201.17	204.22	3.05	SMI14000342	0.049	798.5	<0.1
HAT-018	2620567	204.22	207.26	3.04	SMI14000342	0.017	286.1	<0.1
HAT-018	2620568	207.26	210.31	3.05	SMI14000342	0.014	282.0	<0.1
HAT-018	2620569	210.31	213.36	3.05	SMI14000342	0.045	517.7	<0.1
HAT-018	2620570	213.36	216.41	3.05	SMI14000342	0.103	1389.7	0.20
HAT-018	2620571	216.41	219.96	3.55	SMI14000342	0.123	1068.0	0.10
HAT-018	2620572	219.96	222.50	2.54	SMI14000342	0.267	1798.2	0.20
HAT-018	2620573	222.50	225.55	3.05	SMI14000342	0.140	2244.2	0.20
HAT-018	2620574	225.55	228.60	3.05	SMI14000342	0.325	2265.0	0.20
HAT-018	2620575	228.60	231.65	3.05	SMI14000342	0.130	807.0	0.10

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-018	2620576	231.65	234.70	3.05	SMI14000342	0.031	264.3	<0.1
HAT-018	2620577	234.70	237.74	3.04	SMI14000342	0.070	1213.3	9.40
HAT-018	2620578	237.74	240.79	3.05	SMI14000342	0.258	2036.8	0.40
HAT-018	2620579	240.79	243.84	3.05	SMI14000342	0.051	632.1	0.10
HAT-018	2620580	243.84	246.89	3.05	SMI14000342	0.033	454.9	0.10
HAT-018	2620581	246.89	249.94	3.05	SMI14000342	0.043	537.6	<0.1
HAT-018	2620582	249.94	252.98	3.04	SMI14000342	0.074	807.2	<0.1
HAT-018	2620583	252.98	256.03	3.05	SMI14000342	0.184	1793.1	0.30
HAT-018	2620584	256.03	259.08	3.05	SMI14000342	0.337	3186.9	0.30
HAT-018	2620585	259.08	262.13	3.05	SMI14000342	0.486	5079.2	0.50
HAT-018	2620586	262.13	263.78	1.65	SMI14000342	0.328	4093.7	0.40
HAT-018	2620587	263.78	266.21	2.43	SMI14000342	0.804	6535.6	0.90
HAT-018	2620588	266.21	268.22	2.01	SMI14000342	0.094	858.6	0.10
HAT-018	2620589	268.22	271.27	3.05	SMI14000342	0.063	730.1	0.30
HAT-018	2620590	271.27	274.32	3.05	SMI14000342	0.324	2701.4	0.30
HAT-018	2620591	274.32	277.37	3.05	SMI14000342	0.305	3016.5	0.30
HAT-018	2620592	277.37	280.42	3.05	SMI14000342	0.207	2513.7	0.30
HAT-018	2620593	280.42	283.46	3.04	SMI14000342	0.218	2837.4	0.30
HAT-018	2620594	283.46	286.51	3.05	SMI14000342	0.230	2316.6	0.30
HAT-018	2620595	286.51	288.51	2.00	SMI14000342	0.152	1558.4	0.20
HAT-018	2620596	288.51	290.51	2.00	SMI14000342	1.869	16800.0	2.30
HAT-018	2620597	290.51	291.46	0.95	SMI14000342	1.450	12400.0	1.40
HAT-018	2620598	291.46	293.46	2.00	SMI14000342	1.050	13300.0	4.80
HAT-018	2620599	293.46	295.46	2.00	SMI14000342	0.000	0.0	0.00
HAT-018	2620600	295.46	297.46	2.00	SMI14000342	0.215	3043.2	0.40
HAT-018	2620601	297.46	300.00	2.54	SMI14000342	0.393	6303.8	0.70
HAT-018	2620602	300.00	301.75	1.75	SMI14000342	0.292	3421.7	0.50
HAT-018	2620603	301.75	303.75	2.00	SMI14000342	0.342	3396.3	0.40
HAT-018	2620604	303.75	305.75	2.00	SMI14000342	0.369	2979.9	0.50
HAT-018	2620605	305.75	307.75	2.00	SMI14000342	0.103	991.3	0.10
HAT-018	2620606	307.75	309.75	2.00	SMI14000342	0.334	2405.1	0.30
HAT-018	2620607	309.75	311.75	2.00	SMI14000342	0.106	1268.9	0.20
HAT-018	2620608	311.75	314.00	2.25	SMI14000342	0.099	1231.0	0.20
HAT-019	1428001	6.10	7.35	1.25	SMI14000535	0.015	89.7	0.20
HAT-019	1428002	7.35	8.90	1.55	SMI14000535	0.035	55.5	<0.1
HAT-019	1428003	8.90	11.00	2.10	SMI14000535	0.017	46.5	0.1
HAT-019	1428004	11.00	13.11	2.11	SMI14000535	0.035	113.7	0.1
HAT-019	1428005	13.11	14.97	1.86	SMI14000535	0.040	191.7	<0.1
HAT-019	1428006	14.97	17.00	2.03	SMI14000535	0.029	130.0	<0.1
HAT-019	1428007	17.00	18.71	1.71	SMI14000535	0.054	238.0	0.2

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-019	1428008	18.71	20.57	1.86	SMI14000535	0.025	178.1	0.1
HAT-019	1428009	20.57	21.84	1.27	SMI14000535	0.018	178.1	0.1
HAT-019	1428010	21.84	26.00	4.16	SMI14000535	0.104	439.5	0.4
HAT-019	1428011	26.00	28.02	2.02	SMI14000535	0.008	54.5	<0.1
HAT-019	1428012	28.02	29.94	1.92	SMI14000535	0.018	58.5	<0.1
HAT-019	1428013	29.94	32.00	2.06	SMI14000535	0.009	60.4	<0.1
HAT-019	1428014	32.00	34.29	2.29	SMI14000535	0.015	103.6	<0.1
HAT-019	1428015	34.29	36.10	1.81	SMI14000535	0.030	169.2	0.1
HAT-019	1428016	36.10	38.25	2.15	SMI14000535	0.059	192.6	0.1
HAT-019	1428017	38.25	40.30	2.05	SMI14000535	0.056	230.7	0.6
HAT-019	1428018	40.30	42.40	2.10	SMI14000535	0.036	185.1	0.2
HAT-019	1428019	42.40	44.21	1.81	SMI14000535	0.027	274.0	0.1
HAT-019	1428020	44.21	46.37	2.16	SMI14000535	0.083	109.9	0.1
HAT-019	1428021	46.37	48.44	2.07	SMI14000535	0.036	353.4	0.1
HAT-019	1428022	48.44	50.65	2.21	SMI14000535	0.364	3317.3	1.1
HAT-019	1428023	50.65	52.78	2.13	SMI14000535	0.014	151.3	<0.1
HAT-019	1428024	52.78	54.12	1.34	SMI14000535	0.049	823.0	0.20
HAT-019	1428025	54.12	56.95	2.83	SMI14000535	0.047	253.6	0.10
HAT-019	1428026	56.95	59.29	2.34	SMI14000535	0.101	767.9	0.20
HAT-019	1428027	59.29	62.00	2.71	SMI14000535	0.849	535.2	0.10
HAT-019	1428028	62.00	64.12	2.12	SMI14000535	1.601	409.1	0.40
HAT-019	1428029	64.12	66.04	1.92	SMI14000535	0.170	622.7	0.20
HAT-019	1428030	66.04	69.07	3.03	SMI14000535	0.147	559.6	0.20
HAT-019	1428031	69.07	71.00	1.93	SMI14000535	0.048	306.3	0.10
HAT-019	1428032	71.00	74.00	3.00	SMI14000535	0.509	3632.2	1.20
HAT-019	1428033	74.00	74.80	0.80	SMI14000535	0.035	257.7	0.10
HAT-019	1428034	74.80	77.00	2.20	SMI14000535	0.048	411.6	0.10
HAT-019	1428035	77.00	79.47	2.47	SMI14000535	0.015	500.9	0.10
HAT-019	1428036	79.47	80.82	1.35	SMI14000535	0.010	386.9	<0.1
HAT-019	1428037	80.82	83.25	2.43	SMI14000535	0.028	344.0	0.20
HAT-019	1428038	83.25	85.12	1.87	SMI14000535	0.056	413.1	0.10
HAT-019	1428039	85.12	87.10	1.98	SMI14000535	0.141	1281.8	0.30
HAT-019	1428040	87.10	89.00	1.90	SMI14000535	0.067	843.3	0.20
HAT-019	1428041	89.00	90.87	1.87	SMI14000535	0.153	1641.1	0.30
HAT-019	1428042	90.87	92.77	1.90	SMI14000535	0.141	1097.7	0.20
HAT-019	1428043	92.77	94.81	2.04	SMI14000535	0.018	233.6	<0.1
HAT-019	1428044	94.81	97.11	2.30	SMI14000535	0.105	1807.0	0.30
HAT-019	1428045	97.11	98.66	1.55	SMI14000535	0.049	488.5	0.10
HAT-019	1428046	98.66	100.63	1.97	SMI14000535	0.041	545.1	0.10
HAT-019	1428047	100.63	102.80	2.17	SMI14000535	0.049	484.3	0.10

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-019	1428048	102.80	104.02	1.22	SMI14000535	0.170	290.4	<0.1
HAT-019	1428049	104.02	108.45	4.43	SMI14000535	0.043	493.0	0.10
HAT-019	1428051	108.45	111.00	2.55	SMI14000535	0.011	75.2	<0.1
HAT-019	1428052	111.00	113.35	2.35	SMI14000535	0.025	161.1	<0.1
HAT-019	1428053	113.35	115.53	2.18	SMI14000535	0.013	120.3	<0.1
HAT-019	1428054	115.53	117.20	1.67	SMI14000535	0.019	349.2	<0.1
HAT-019	1428055	117.20	118.75	1.55	SMI14000535	0.014	139.9	<0.1
HAT-019	1428056	118.75	119.72	0.97	SMI14000535	0.018	173.2	<0.1
HAT-019	1428057	119.72	122.00	2.28	SMI14000535	0.031	559.1	<0.1
HAT-019	1428058	122.00	124.44	2.44	SMI14000535	0.017	209.9	<0.1
HAT-019	1428059	124.44	125.66	1.22	SMI14000535	0.017	324.5	0.1
HAT-019	1428060	125.66	128.48	2.82	SMI14000535	0.040	248.9	<0.1
HAT-019	1428061	128.48	129.47	0.99	SMI14000535	0.027	297.3	<0.1
HAT-019	1428062	129.47	131.39	1.92	SMI14000535	0.047	338.0	<0.1
HAT-019	1428063	131.39	132.07	0.68	SMI14000535	0.019	213.2	<0.1
HAT-019	1428064	132.07	134.52	2.45	SMI14000535	0.026	279.9	<0.1
HAT-019	1428065	134.52	136.33	1.81	SMI14000535	0.023	260.6	<0.1
HAT-019	1428066	136.33	137.74	1.41	SMI14000535	0.034	388.3	<0.1
HAT-019	1428067	137.74	140.00	2.26	SMI14000535	0.051	448.4	<0.1
HAT-019	1428068	140.00	142.20	2.20	SMI14000535	0.032	320.1	<0.1
HAT-019	1428069	142.20	144.03	1.83	SMI14000535	0.065	433.6	<0.1
HAT-019	1428070	144.03	146.23	2.20	SMI14000535	0.015	122.2	<0.1
HAT-019	1428071	146.23	148.28	2.05	SMI14000535	0.062	321.7	<0.1
HAT-019	1428072	148.28	150.25	1.97	SMI14000535	0.011	246.9	<0.1
HAT-019	1428073	150.25	152.00	1.75	SMI14000535	0.036	202.0	<0.1
HAT-019	1428074	152.00	154.36	2.36	SMI14000535	0.015	110.2	<0.1
HAT-019	1428075	154.36	156.07	1.71	SMI14000535	0.061	306.0	<0.1
HAT-019	1428076	156.07	158.47	2.40	SMI14000535	0.039	312.4	<0.1
HAT-019	1428077	158.47	160.43	1.96	SMI14000535	0.059	278.1	<0.1
HAT-019	1428078	160.43	162.15	1.72	SMI14000535	0.218	606.3	<0.1
HAT-019	1428079	162.15	164.15	2.00	SMI14000535	0.025	401.2	<0.1
HAT-019	1428080	164.15	166.27	2.12	SMI14000535	0.012	223.9	<0.1
HAT-019	1428081	166.27	167.82	1.55	SMI14000535	0.006	139.5	<0.1
HAT-019	1428082	167.82	168.67	0.85	SMI14000535	0.011	878.7	<0.1
HAT-019	1428083	168.67	170.32	1.65	SMI14000535	0.009	481.5	<0.1
HAT-019	1428084	170.32	171.36	1.04	SMI14000535	<0.005	628.1	<0.1
HAT-019	1428085	171.36	174.36	3.00	SMI14000535	0.031	953.9	0.20
HAT-019	1428086	174.36	176.00	1.64	SMI14000535	0.029	736.5	<0.1
HAT-019	1428087	176.00	177.39	1.39	SMI14000535	0.026	418.7	<0.1
HAT-019	1428088	177.39	179.03	1.64	SMI14000535	0.006	386.9	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-019	1428089	179.03	182.00	2.97	SMI14000535	0.009	328.2	<0.1
HAT-019	1428090	182.00	183.91	1.91	SMI14000535	0.009	251.1	<0.1
HAT-019	1428091	183.91	186.21	2.30	SMI14000535	0.006	296.9	0.1
HAT-019	1428092	186.21	188.44	2.23	SMI14000535	0.007	185.2	<0.1
HAT-019	1428093	188.44	190.83	2.39	SMI14000535	<0.005	316.0	<0.1
HAT-019	1428094	190.83	192.40	1.57	SMI14000535	0.005	388.4	<0.1
HAT-019	1428095	192.40	195.14	2.74	SMI14000535	0.027	883.0	<0.1
HAT-019	1428096	195.14	197.00	1.86	SMI14000535	0.070	1380.2	0.20
HAT-019	1428097	197.00	199.39	2.39	SMI14000535	0.100	1524.6	0.10
HAT-019	1428098	199.39	201.34	1.95	SMI14000535	0.065	1095.0	0.10
HAT-019	1428099	201.34	203.38	2.04	SMI14000535	0.017	280.9	<0.1
HAT-019	1428101	203.38	206.00	2.62	SMI14000535	0.074	1066.9	<0.1
HAT-019	1428102	206.00	207.98	1.98	SMI14000535	0.038	632.1	<0.1
HAT-019	1428103	207.98	209.03	1.05	SMI14000535	0.029	341.6	<0.1
HAT-019	1428104	209.03	212.00	2.97	SMI14000535	0.070	572.6	<0.1
HAT-019	1428105	212.00	213.37	1.37	SMI14000535	0.049	470.4	<0.1
HAT-019	1428106	213.37	215.08	1.71	SMI14000535	0.044	460.4	<0.1
HAT-019	1428107	215.08	217.36	2.28	SMI14000535	0.083	814.8	0.20
HAT-019	1428108	217.36	218.84	1.48	SMI14000535	0.058	667.6	0.20
HAT-019	1428109	218.84	220.47	1.63	SMI14000535	0.039	326.2	0.10
HAT-019	1428110	220.47	221.93	1.46	SMI14000535	0.071	942.9	0.10
HAT-019	1428111	221.93	223.80	1.87	SMI14000535	0.027	357.5	0.10
HAT-019	1428112	223.80	225.41	1.61	SMI14000535	<0.005	46.1	<0.1
HAT-019	1428113	225.41	227.12	1.71	SMI14000535	<0.005	50.0	<0.1
HAT-019	1428114	227.12	228.62	1.50	SMI14000535	0.029	318.4	<0.1
HAT-019	1428115	228.62	230.78	2.16	SMI14000535	0.014	288.6	0.1
HAT-019	1428116	230.78	232.57	1.79	SMI14000535	0.021	386.7	<0.1
HAT-019	1428117	232.57	234.60	2.03	SMI14000535	0.024	171.0	0.1
HAT-019	1428118	234.60	236.13	1.53	SMI14000535	0.048	726.9	0.2
HAT-019	1428119	236.13	237.79	1.66	SMI14000535	0.019	291.9	<0.1
HAT-019	1428120	237.79	239.39	1.60	SMI14000535	0.028	550.7	<0.1
HAT-019	1428121	239.39	242.00	2.61	SMI14000535	0.028	378.4	<0.1
HAT-019	1428122	242.00	244.14	2.14	SMI14000535	0.031	475.8	<0.1
HAT-019	1428123	244.14	246.49	2.35	SMI14000535	0.053	784.0	<0.1
HAT-019	1428124	246.49	248.00	1.51	SMI14000535	0.105	1060.7	0.10
HAT-019	1428125	248.00	249.70	1.70	SMI14000535	0.021	412.8	0.10
HAT-019	1428126	249.70	250.93	1.23	SMI14000535	0.098	960.2	0.10
HAT-019	1428127	250.93	252.39	1.46	SMI14000535	0.163	1012.8	0.20
HAT-019	1428128	252.39	254.00	1.61	SMI14000535	0.005	52.2	<0.1
HAT-019	1428129	254.00	255.53	1.53	SMI14000535	0.006	51.1	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-019	1428130	255.53	257.21	1.68	SMI14000535	0.006	55.5	<0.1
HAT-019	1428131	257.21	258.66	1.45	SMI14000535	0.008	107.2	<0.1
HAT-019	1428132	258.66	260.32	1.66	SMI14000535	0.085	411.0	0.2
HAT-019	1428133	260.32	261.75	1.43	SMI14000535	0.052	432.9	<0.1
HAT-019	1428134	261.75	263.27	1.52	SMI14000535	0.199	2075.7	0.2
HAT-019	1428135	263.27	266.00	2.73	SMI14000535	0.008	82.7	<0.1
HAT-019	1428136	266.00	267.79	1.79	SMI14000535	0.090	992.9	0.2
HAT-019	1428137	267.79	269.57	1.78	SMI14000535	0.075	973.2	0.1
HAT-019	1428138	269.57	271.08	1.51	SMI14000535	0.078	643.6	<0.1
HAT-019	1428139	271.08	272.78	1.70	SMI14000535	0.041	447.1	0.10
HAT-019	1428140	272.78	274.66	1.88	SMI14000535	0.092	1072.0	0.20
HAT-019	1428141	274.66	276.93	2.27	SMI14000535	0.075	952.5	0.10
HAT-019	1428142	276.93	278.54	1.61	SMI14000535	0.100	1033.6	0.20
HAT-019	1428143	278.54	280.80	2.26	SMI14000535	0.298	2467.1	0.20
HAT-019	1428144	280.80	282.92	2.12	SMI14000535	0.145	1675.6	0.20
HAT-019	1428145	282.92	284.69	1.77	SMI14000535	0.021	284.8	<0.1
HAT-019	1428146	284.69	285.20	0.51	SMI14000535	0.014	110.3	<0.1
HAT-019	1428147	285.20	286.04	0.84	SMI14000535	0.030	484.3	<0.1
HAT-019	1428148	286.04	287.89	1.85	SMI14000535	0.250	3810.0	0.30
HAT-019	1428149	287.89	290.00	2.11	SMI14000535	0.295	2277.9	0.20
HAT-019	1428151	290.00	291.88	1.88	SMI14000535	0.096	1392.3	0.20
HAT-019	1428152	291.88	293.75	1.87	SMI14000535	0.043	606.0	0.10
HAT-019	1428153	293.75	296.00	2.25	SMI14000535	0.121	1845.5	0.20
HAT-019	1428154	296.00	298.37	2.37	SMI14000535	0.049	734.8	0.10
HAT-019	1428155	298.37	300.47	2.10	SMI14000535	0.063	970.8	0.20
HAT-019	1428156	300.47	302.57	2.10	SMI14000535	0.103	1178.9	<0.1
HAT-019	1428157	302.57	304.72	2.15	SMI14000535	0.083	816.3	<0.1
HAT-019	1428158	304.72	306.80	2.08	SMI14000535	0.109	1243.2	0.1
HAT-019	1428159	306.80	308.61	1.81	SMI14000535	0.042	660.1	<0.1
HAT-019	1428160	308.61	311.00	2.39	SMI14000535	0.074	922.3	0.2
HAT-019	1428161	311.00	313.75	2.75	SMI14000535	0.048	818.6	<0.1
HAT-019	1428162	313.75	315.15	1.40	SMI14000535	0.172	1359.0	0.20
HAT-019	1428163	315.15	317.00	1.85	SMI14000535	0.154	2043.4	0.20
HAT-019	1428164	317.00	319.29	2.29	SMI14000535	0.146	2755.6	0.30
HAT-019	1428165	319.29	321.21	1.92	SMI14000535	0.059	1238.6	0.20
HAT-019	1428166	321.21	323.26	2.05	SMI14000535	0.103	1309.1	0.20
HAT-019	1428167	323.26	325.31	2.05	SMI14000535	0.027	582.4	0.10
HAT-019	1428168	325.31	327.41	2.10	SMI14000535	0.022	265.6	<0.1
HAT-019	1428169	327.41	329.33	1.92	SMI14000535	0.045	1144.9	0.2
HAT-019	1428170	329.33	331.41	2.08	SMI14000535	0.029	512.2	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-019	1428171	331.41	333.26	1.85	SMI14000535	0.141	1979.2	0.3
HAT-019	1428172	333.26	335.31	2.05	SMI14000535	0.100	1497.5	0.3
HAT-019	1428173	335.31	337.80	2.49	SMI14000535	0.016	319.7	<0.1
HAT-019	1428174	337.80	339.90	2.10	SMI14000535	0.077	1214.7	0.20
HAT-019	1428175	339.90	342.03	2.13	SMI14000535	0.065	1534.3	0.20
HAT-019	1428176	342.03	343.75	1.72	SMI14000535	0.076	1858.8	0.30
HAT-019	1428177	343.75	346.30	2.55	SMI14000535	0.122	1354.0	0.40
HAT-019	1428178	346.30	348.20	1.90	SMI14000535	0.294	1604.9	0.30
HAT-019	1428179	348.20	350.13	1.93	SMI14000535	0.196	1154.2	0.20
HAT-019	1428180	350.13	352.84	2.71	SMI14000535	0.235	1592.2	0.30
HAT-019	1428181	352.84	354.46	1.62	SMI14000535	0.044	1415.1	0.30
HAT-019	1428182	354.46	356.45	1.99	SMI14000535	0.167	1143.7	0.20
HAT-019	1428183	356.45	357.90	1.45	SMI14000535	0.098	1514.5	0.30
HAT-019	1428184	357.90	359.70	1.80	SMI14000535	0.230	2634.5	0.50
HAT-019	1428185	359.70	362.50	2.80	SMI14000535	0.214	3054.8	0.60
HAT-019	1428186	362.50	363.92	1.42	SMI14000535	0.298	6077.9	1.10
HAT-019	1428187	363.92	365.53	1.61	SMI14000535	0.350	7181.0	1.60
HAT-019	1428188	365.53	367.09	1.56	SMI14000535	0.120	2130.5	0.50
HAT-019	1428189	367.09	368.64	1.55	SMI14000535	0.452	7328.7	1.00
HAT-019	1428190	368.64	370.68	2.04	SMI14000535	0.150	3355.6	0.70
HAT-019	1428191	370.68	372.85	2.17	SMI14000535	0.031	2044.5	0.50
HAT-019	1428192	372.85	374.49	1.64	SMI14000535	0.024	6329.4	2.00
HAT-019	1428193	374.49	376.85	2.36	WHI14000117	0.070	1861.4	0.40
HAT-019	1428194	376.85	378.98	2.13	WHI14000117	0.035	1577.6	0.30
HAT-019	1428195	378.98	380.69	1.71	WHI14000117	0.033	1282.1	0.30
HAT-019	1428196	380.69	383.63	2.94	WHI14000117	0.112	3178.0	1.00
HAT-019	1428197	383.63	386.12	2.49	WHI14000117	0.111	6395.4	1.50
HAT-019	1428198	386.12	388.31	2.19	WHI14000117	0.239	7388.9	2.10
HAT-019	1428199	388.31	391.10	2.79	WHI14000117	0.160	6024.8	1.40
HAT-019	1428201	391.10	393.90	2.80	WHI14000117	0.402	2500.5	0.80
HAT-019	1428202	393.90	395.41	1.51	WHI14000117	0.155	4802.6	1.60
HAT-019	1428203	395.41	397.48	2.07	WHI14000117	0.025	1318.2	0.30
HAT-019	1428204	397.48	398.88	1.40	WHI14000117	0.124	6913.7	1.70
HAT-019	1428205	398.88	401.72	2.84	WHI14000117	0.137	7029.9	1.50
HAT-019	1428206	401.72	404.33	2.61	WHI14000117	0.141	9190.4	2.10
HAT-019	1428207	404.33	407.15	2.82	WHI14000117	0.072	2865.4	0.70
HAT-019	1428208	407.15	408.30	1.15	WHI14000117	0.670	9383.9	1.50
HAT-019	1428209	408.30	410.16	1.86	WHI14000117	0.163	2210.2	0.40
HAT-019	1428210	410.16	412.60	2.44	WHI14000117	0.246	1890.2	0.60
HAT-019	1428211	412.60	415.06	2.46	WHI14000117	0.320	3899.8	0.90

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-019	1428212	415.06	416.26	1.20	WHI14000117	0.513	8264.8	2.10
HAT-019	1428213	416.26	418.20	1.94	WHI14000117	0.137	1578.6	0.50
HAT-019	1428214	418.20	420.21	2.01	WHI14000117	0.094	2268.2	0.30
HAT-019	1428215	420.21	422.00	1.79	WHI14000117	0.079	1359.7	0.10
HAT-019	1428216	422.00	424.25	2.25	WHI14000117	0.077	1482.7	0.20
HAT-019	1428217	424.25	425.85	1.60	WHI14000117	0.120	1992.5	0.20
HAT-019	1428218	425.85	428.00	2.15	WHI14000117	0.102	1110.2	0.10
HAT-019	1428219	428.00	429.11	1.11	WHI14000117	0.033	372.8	<0.1
HAT-019	1428220	429.11	431.00	1.89	WHI14000117	0.223	1619.7	0.20
HAT-019	1428221	431.00	433.03	2.03	WHI14000117	0.122	1183.0	0.20
HAT-019	1428222	433.03	434.75	1.72	WHI14000117	0.171	2646.3	0.30
HAT-019	1428223	434.75	436.81	2.06	WHI14000117	0.031	193.2	<0.1
HAT-019	1428224	436.81	438.55	1.74	WHI14000117	0.024	402.5	<0.1
HAT-019	1428225	438.55	440.53	1.98	WHI14000117	0.013	104.8	<0.1
HAT-019	1428226	440.53	442.17	1.64	WHI14000117	0.052	868.1	0.20
HAT-019	1428227	442.17	444.83	2.66	WHI14000117	0.022	436.1	<0.1
HAT-019	1428228	444.83	446.00	1.17	WHI14000117	<0.005	47.7	<0.1
HAT-020	1428251	0.00	8.00	8.00	WHI14000117	0.313	531.6	0.30
HAT-020	1428252	8.00	9.70	1.70	WHI14000117	0.194	156.4	0.20
HAT-020	1428253	9.70	11.69	1.99	WHI14000117	0.156	26.4	<0.1
HAT-020	1428254	11.69	14.11	2.42	WHI14000117	0.036	65.0	<0.1
HAT-020	1428255	14.11	16.47	2.36	WHI14000117	0.115	317.1	0.10
HAT-020	1428256	16.47	18.26	1.79	WHI14000117	0.019	158.6	0.10
HAT-020	1428257	18.26	20.26	2.00	WHI14000117	0.025	335.0	0.30
HAT-020	1428258	20.26	22.25	1.99	WHI14000117	0.019	462.4	0.30
HAT-020	1428259	22.25	24.18	1.93	WHI14000117	0.066	1041.9	0.60
HAT-020	1428260	24.18	26.34	2.16	WHI14000117	0.036	712.7	0.50
HAT-020	1428261	26.34	29.30	2.96	WHI14000117	0.071	311.8	0.50
HAT-020	1428262	29.30	32.00	2.70	WHI14000117	0.015	469.9	0.30
HAT-020	1428263	32.00	34.29	2.29	WHI14000117	0.011	171.9	0.10
HAT-020	1428264	34.29	36.22	1.93	WHI14000117	0.016	554.3	0.10
HAT-020	1428265	36.22	38.00	1.78	WHI14000117	0.019	2431.1	1.20
HAT-020	1428266	38.00	39.98	1.98	WHI14000117	0.007	476.6	0.40
HAT-020	1428267	39.98	41.81	1.83	WHI14000117	0.007	178.3	0.20
HAT-020	1428268	41.81	44.37	2.56	WHI14000117	0.027	708.1	0.50
HAT-020	1428269	44.37	45.63	1.26	WHI14000117	0.041	928.9	1.20
HAT-020	1428270	45.63	47.58	1.95	WHI14000117	0.007	89.1	0.20
HAT-020	1428271	47.58	50.00	2.42	WHI14000117	0.030	131.5	0.10
HAT-020	1428272	50.00	51.75	1.75	WHI14000117	0.010	78.8	0.10
HAT-020	1428273	51.75	53.73	1.98	WHI14000117	0.031	336.1	0.20

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-020	1428274	53.73	56.15	2.42	WHI14000117	0.059	909.3	0.50
HAT-020	1428275	56.15	57.53	1.38	WHI14000117	0.108	880.5	0.40
HAT-020	1428276	57.53	59.40	1.87	WHI14000117	0.043	341.2	0.40
HAT-020	1428277	59.40	61.58	2.18	WHI14000117	0.018	380.5	0.20
HAT-020	1428278	61.58	63.80	2.22	WHI14000117	0.025	170.7	0.10
HAT-020	1428279	63.80	65.39	1.59	WHI14000117	0.024	212.4	0.20
HAT-020	1428280	65.39	67.55	2.16	WHI14000117	0.021	718.6	0.20
HAT-020	1428281	67.55	68.93	1.38	WHI14000117	0.023	247.6	<0.1
HAT-020	1428282	68.93	71.00	2.07	WHI14000117	0.768	578.5	1.8
HAT-020	1428283	71.00	72.69	1.69	WHI14000117	0.010	179.6	0.2
HAT-020	1428284	72.69	74.36	1.67	WHI14000117	0.018	444.3	0.2
HAT-020	1428285	74.36	77.00	2.64	WHI14000117	0.010	118.9	<0.1
HAT-020	1428286	77.00	79.63	2.63	WHI14000117	0.024	132.4	<0.1
HAT-020	1428287	79.63	81.70	2.07	WHI14000117	0.016	125.8	0.1
HAT-020	1428288	81.70	83.61	1.91	WHI14000117	0.030	443.6	0.1
HAT-020	1428289	83.61	85.63	2.02	WHI14000117	0.014	156.7	<0.1
HAT-020	1428290	85.63	87.69	2.06	WHI14000117	0.037	310.8	<0.1
HAT-020	1428291	87.69	89.61	1.92	WHI14000117	0.057	415.8	0.2
HAT-020	1428292	89.61	91.62	2.01	WHI14000117	0.021	241.8	<0.1
HAT-020	1428293	91.62	93.56	1.94	WHI14000117	0.043	301.2	0.1
HAT-020	1428294	93.56	95.73	2.17	WHI14000117	0.019	201.2	<0.1
HAT-020	1428295	95.73	98.00	2.27	SMI14000536	0.022	207.9	<0.1
HAT-020	1428296	98.00	99.87	1.87	SMI14000536	0.016	167.1	<0.1
HAT-020	1428297	99.87	102.10	2.23	SMI14000536	0.018	104.3	<0.1
HAT-020	1428298	102.10	104.24	2.14	SMI14000536	0.008	51.5	<0.1
HAT-020	1428299	104.24	106.45	2.21	SMI14000536	0.007	61.3	<0.1
HAT-020	1428301	106.45	108.75	2.30	SMI14000536	0.019	175.7	<0.1
HAT-020	1428302	108.75	110.80	2.05	SMI14000536	0.028	169.4	<0.1
HAT-020	1428303	110.80	113.00	2.20	SMI14000536	0.016	147.3	<0.1
HAT-020	1428304	113.00	115.70	2.70	SMI14000536	0.293	689.3	0.10
HAT-020	1428305	115.70	117.25	1.55	SMI14000536	0.146	1675.4	0.30
HAT-020	1428306	117.25	119.36	2.11	SMI14000536	0.291	2185.9	0.30
HAT-020	1428307	119.36	121.50	2.14	SMI14000536	0.092	470.9	0.10
HAT-020	1428308	121.50	123.55	2.05	SMI14000536	0.055	447.6	<0.1
HAT-020	1428309	123.55	125.01	1.46	SMI14000536	0.043	242.6	<0.1
HAT-020	1428310	125.01	128.00	2.99	SMI14000536	0.046	232.2	<0.1
HAT-020	1428311	128.00	129.79	1.79	SMI14000536	0.033	243.2	<0.1
HAT-020	1428312	129.79	131.86	2.07	SMI14000536	0.020	185.1	<0.1
HAT-020	1428313	131.86	134.46	2.60	SMI14000536	0.015	280.3	0.10
HAT-020	1428314	134.46	136.14	1.68	SMI14000536	0.012	101.5	0.20

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-020	1428315	136.14	138.06	1.92	SMI14000536	0.037	230.2	<0.1
HAT-020	1428316	138.06	140.24	2.18	SMI14000536	0.035	182.5	<0.1
HAT-020	1428317	140.24	142.49	2.25	SMI14000536	0.068	486.0	<0.1
HAT-020	1428318	142.49	144.42	1.93	SMI14000536	0.037	345.6	<0.1
HAT-020	1428319	144.42	146.00	1.58	SMI14000536	<0.005	111.3	<0.1
HAT-020	1428320	146.00	148.36	2.36	SMI14000536	0.291	821.2	0.20
HAT-020	1428321	148.36	150.78	2.42	SMI14000536	0.179	1882.1	0.20
HAT-020	1428322	150.78	153.00	2.22	SMI14000536	0.023	430.8	<0.1
HAT-020	1428323	153.00	155.10	2.10	SMI14000536	0.015	142.8	<0.1
HAT-020	1428324	155.10	156.73	1.63	SMI14000536	0.040	360.8	0.10
HAT-020	1428325	156.73	159.30	2.57	SMI14000536	0.036	395.5	<0.1
HAT-020	1428326	159.30	161.41	2.11	SMI14000536	0.025	234.7	<0.1
HAT-020	1428327	161.41	163.74	2.33	SMI14000536	0.046	562.1	<0.1
HAT-020	1428328	163.74	166.00	2.26	SMI14000536	0.067	575.5	0.10
HAT-020	1428329	166.00	168.19	2.19	SMI14000536	0.044	343.6	<0.1
HAT-020	1428330	168.19	170.26	2.07	SMI14000536	0.040	306.1	<0.1
HAT-020	1428331	170.26	172.46	2.20	SMI14000536	0.038	278.3	<0.1
HAT-020	1428332	172.46	174.42	1.96	SMI14000536	0.024	231.4	<0.1
HAT-020	1428333	174.42	176.66	2.24	SMI14000536	0.087	893.1	<0.1
HAT-020	1428334	176.66	178.38	1.72	SMI14000536	0.055	637.5	<0.1
HAT-020	1428335	178.38	180.12	1.74	SMI14000536	0.089	632.3	<0.1
HAT-020	1428336	180.12	181.83	1.71	SMI14000536	0.043	427.8	<0.1
HAT-020	1428337	181.83	184.04	2.21	SMI14000536	0.067	641.8	<0.1
HAT-020	1428338	184.04	185.00	0.96	SMI14000536	0.226	2385.4	0.20
HAT-020	1428339	185.00	187.14	2.14	SMI14000536	0.032	411.5	<0.1
HAT-020	1428340	187.14	189.04	1.90	SMI14000536	0.014	84.4	<0.1
HAT-020	1428341	189.04	191.23	2.19	SMI14000536	0.012	38.8	<0.1
HAT-020	1428342	191.23	193.42	2.19	SMI14000536	0.006	57.0	<0.1
HAT-020	1428343	193.42	195.59	2.17	SMI14000536	0.076	770.4	<0.1
HAT-020	1428344	195.59	197.67	2.08	SMI14000536	0.016	154.2	<0.1
HAT-020	1428345	197.67	200.00	2.33	SMI14000536	0.014	107.3	<0.1
HAT-020	1428346	200.00	201.63	1.63	SMI14000536	0.008	128.0	<0.1
HAT-020	1428347	201.63	203.62	1.99	SMI14000536	0.016	178.3	<0.1
HAT-020	1428348	203.62	205.87	2.25	SMI14000536	0.016	147.9	<0.1
HAT-020	1428349	205.87	207.95	2.08	SMI14000536	0.065	701.8	<0.1
HAT-020	1428351	207.95	209.82	1.87	SMI14000536	0.023	283.2	<0.1
HAT-020	1428352	209.82	212.00	2.18	SMI14000536	0.019	298.1	<0.1
HAT-020	1428353	212.00	213.78	1.78	SMI14000536	0.074	351.2	<0.1
HAT-020	1428354	213.78	215.20	1.42	SMI14000536	0.106	1012.1	<0.1
HAT-020	1428355	215.20	217.60	2.40	SMI14000536	0.086	584.8	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-020	1428356	217.60	218.00	0.40	SMI14000536	0.756	3106.5	0.40
HAT-020	1428357	218.00	219.74	1.74	SMI14000536	0.521	1820.3	0.40
HAT-020	1428358	219.74	222.39	2.65	SMI14000536	0.133	1295.2	<0.1
HAT-020	1428359	222.39	224.19	1.80	SMI14000536	0.237	1560.3	<0.1
HAT-020	1428360	224.19	226.28	2.09	SMI14000536	0.333	2898.5	0.10
HAT-020	1428361	226.28	228.75	2.47	SMI14000536	1.201	10200.0	0.80
HAT-020	1428362	228.75	230.47	1.72	SMI14000536	0.163	1445.0	0.20
HAT-020	1428363	230.47	232.80	2.33	SMI14000536	0.051	473.2	<0.1
HAT-020	1428364	232.80	234.77	1.97	SMI14000536	0.092	719.9	<0.1
HAT-020	1428365	234.77	236.78	2.01	SMI14000536	0.049	423.4	<0.1
HAT-020	1428366	236.78	238.95	2.17	SMI14000536	0.027	209.6	<0.1
HAT-020	1428367	238.95	241.02	2.07	SMI14000536	0.030	231.0	<0.1
HAT-020	1428368	241.02	243.02	2.00	SMI14000536	0.032	279.5	<0.1
HAT-020	1428369	243.02	245.19	2.17	SMI14000536	0.020	183.1	<0.1
HAT-020	1428370	245.19	247.25	2.06	SMI14000536	0.029	209.9	<0.1
HAT-020	1428371	247.25	249.21	1.96	SMI14000536	0.042	383.6	<0.1
HAT-020	1428372	249.21	251.21	2.00	SMI14000536	0.023	146.5	<0.1
HAT-020	1428373	251.21	253.49	2.28	SMI14000536	0.059	545.2	<0.1
HAT-020	1428374	253.49	255.29	1.80	SMI14000536	0.328	2590.0	0.10
HAT-020	1428375	255.29	257.18	1.89	WHI14000142	0.133	1048.1	0.10
HAT-020	1428376	257.18	259.90	2.72	WHI14000142	0.294	3473.4	0.20
HAT-020	1428377	259.90	261.46	1.56	WHI14000142	0.211	2521.9	0.10
HAT-020	1428378	261.46	263.37	1.91	WHI14000142	0.383	5940.0	0.30
HAT-020	1428379	263.37	266.10	2.73	WHI14000142	0.314	4140.7	0.20
HAT-020	1428380	266.10	267.57	1.47	WHI14000142	0.272	3545.6	0.40
HAT-020	1428381	267.57	270.50	2.93	WHI14000142	0.503	7938.4	0.40
HAT-020	1428382	270.50	271.95	1.45	WHI14000142	1.286	15100.0	1.20
HAT-020	1428383	271.95	273.77	1.82	WHI14000142	0.229	1338.7	0.20
HAT-020	1428384	273.77	275.82	2.05	WHI14000142	0.110	1463.4	0.10
HAT-020	1428385	275.82	278.00	2.18	WHI14000142	0.271	3841.2	0.30
HAT-020	1428386	278.00	280.11	2.11	WHI14000142	0.290	4338.3	0.30
HAT-020	1428387	280.11	282.40	2.29	WHI14000142	0.348	5838.7	0.40
HAT-020	1428388	282.40	284.36	1.96	WHI14000142	0.350	6957.3	0.50
HAT-020	1428389	284.36	287.00	2.64	WHI14000142	0.283	4247.7	0.20
HAT-020	1428390	287.00	288.59	1.59	WHI14000142	0.625	9072.7	0.50
HAT-020	1428391	288.59	290.65	2.06	WHI14000142	0.462	3062.0	0.40
HAT-020	1428392	290.65	292.73	2.08	WHI14000142	0.748	2356.4	0.30
HAT-020	1428393	292.73	294.80	2.07	WHI14000142	0.486	2295.0	0.20
HAT-020	1428394	294.80	297.00	2.20	WHI14000142	0.137	1396.0	0.20
HAT-020	1428395	297.00	299.16	2.16	WHI14000142	0.072	941.5	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-020	1428396	299.16	301.40	2.24	WHI14000142	0.085	1140.3	0.1
HAT-020	1428397	301.40	303.42	2.02	WHI14000142	0.024	256.0	<0.1
HAT-020	1428398	303.42	305.49	2.07	WHI14000142	0.043	656.5	0.10
HAT-020	1428399	305.49	307.60	2.11	WHI14000142	0.038	344.6	<0.1
HAT-020	1428401	307.60	309.28	1.68	WHI14000142	0.009	181.8	<0.1
HAT-020	1428402	309.28	311.21	1.93	WHI14000142	0.113	384.7	0.10
HAT-020	1428403	311.21	313.45	2.24	WHI14000142	0.050	473.9	<0.1
HAT-020	1428404	313.45	315.45	2.00	WHI14000142	0.039	373.2	<0.1
HAT-020	1428405	315.45	317.54	2.09	WHI14000142	0.036	520.6	0.10
HAT-020	1428406	317.54	319.72	2.18	WHI14000142	0.014	173.2	0.20
HAT-020	1428407	319.72	321.80	2.08	WHI14000142	0.013	86.2	<0.1
HAT-020	1428408	321.80	323.97	2.17	WHI14000142	0.041	719.5	0.10
HAT-020	1428409	323.97	325.87	1.90	WHI14000142	0.095	1028.2	0.20
HAT-020	1428410	325.87	327.77	1.90	WHI14000142	0.102	284.7	<0.1
HAT-020	1428411	327.77	330.00	2.23	WHI14000142	0.016	195.3	0.20
HAT-020	1428412	330.00	332.08	2.08	WHI14000142	0.016	150.9	0.10
HAT-020	1428413	332.08	334.17	2.09	WHI14000142	0.069	415.4	<0.1
HAT-020	1428414	334.17	335.97	1.80	WHI14000142	0.020	177.5	0.10
HAT-020	1428415	335.97	338.10	2.13	WHI14000142	0.012	188.5	0.10
HAT-020	1428416	338.10	340.24	2.14	WHI14000142	0.034	464.9	<0.1
HAT-020	1428417	340.24	342.35	2.11	WHI14000142	0.029	270.0	0.10
HAT-020	1428418	342.35	344.55	2.20	WHI14000142	0.013	141.8	<0.1
HAT-020	1428419	344.55	346.73	2.18	WHI14000142	0.006	108.0	<0.1
HAT-020	1428420	346.73	348.80	2.07	WHI14000142	0.034	161.0	<0.1
HAT-020	1428421	348.80	350.94	2.14	WHI14000142	0.009	70.9	<0.1
HAT-020	1428422	350.94	352.79	1.85	WHI14000142	0.006	51.6	<0.1
HAT-020	2327551	352.79	356.00	3.21	VA14140192	0.120	580.0	1.00
HAT-020	2327553	356.00	357.90	1.90	VA14140192	<0.01	100.0	<1
HAT-020	2327554	357.90	359.52	1.62	VA14140192	<0.01	100.0	<1
HAT-020	2327556	359.52	362.00	2.48	VA14140192	<0.01	30.0	1.00
HAT-020	2327558	362.00	363.80	1.80	VA14140192	0.010	90.0	1.00
HAT-020	1428428	363.80	365.87	2.07	WHI14000142	0.005	78.2	<0.1
HAT-020	1428429	365.87	368.00	2.13	WHI14000142	0.070	55.5	0.20
HAT-020	1428430	368.00	370.15	2.15	WHI14000142	<0.005	69.1	0.20
HAT-020	1428431	370.15	372.07	1.92	WHI14000142	<0.005	82.9	<0.1
HAT-020	1428432	372.07	374.75	2.68	WHI14000142	<0.005	60.1	<0.1
HAT-020	2327559	374.75	376.41	1.66	VA14140192	0.040	380.0	<1
HAT-020	2327561	376.41	379.57	3.16	VA14140192	0.010	60.0	1.00
HAT-020	2327564	379.57	380.52	0.95	VA14140192	<0.01	150.0	<1
HAT-020	2327565	380.52	383.00	2.48	0.00	0.000	0.0	0.00

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-020	1428438	383.00	386.00	3.00	WHI14000142	0.062	632.5	0.10
HAT-020	1428439	386.00	389.00	3.00	WHI14000142	0.026	393.4	0.10
HAT-020	1428440	389.00	391.63	2.63	WHI14000142	0.043	460.7	<0.1
HAT-020	1428441	391.63	392.53	0.90	WHI14000142	<0.005	56.7	0.10
HAT-020	1428442	392.53	395.00	2.47	WHI14000142	0.008	49.4	0.10
HAT-020	1428443	395.00	397.65	2.65	WHI14000142	<0.005	24.1	<0.1
HAT-020	1428444	397.65	399.86	2.21	SMI14000566	0.010	102.8	<0.1
HAT-020	1428445	399.86	403.00	3.14	SMI14000566	0.026	456.0	<0.1
HAT-020	1428446	403.00	405.54	2.54	SMI14000566	0.006	75.9	<0.1
HAT-020	1428447	405.54	407.30	1.76	SMI14000566	0.019	295.1	<0.1
HAT-020	1428448	407.30	409.17	1.87	SMI14000566	0.015	196.7	<0.1
HAT-020	1428449	409.17	411.09	1.92	SMI14000566	0.007	91.8	<0.1
HAT-020	1428451	411.09	414.17	3.08	SMI14000566	0.045	548.3	<0.1
HAT-020	1428452	414.17	416.54	2.37	SMI14000566	0.035	366.2	0.10
HAT-020	1428453	416.54	418.88	2.34	SMI14000566	0.042	988.8	0.20
HAT-020	1428454	418.88	422.00	3.12	SMI14000566	0.010	447.3	<0.1
HAT-020	1428455	422.00	424.28	2.28	SMI14000566	0.024	478.8	<0.1
HAT-020	1428456	424.28	425.64	1.36	SMI14000566	0.013	252.8	<0.1
HAT-020	1428457	425.64	427.31	1.67	SMI14000566	0.024	528.9	<0.1
HAT-020	1428458	427.31	428.47	1.16	SMI14000566	0.036	2327.6	0.30
HAT-020	1428459	428.47	430.60	2.13	SMI14000566	0.005	135.2	<0.1
HAT-020	1428460	430.60	432.52	1.92	SMI14000566	0.010	79.7	<0.1
HAT-020	1428461	432.52	434.97	2.45	SMI14000566	0.013	208.6	<0.1
HAT-020	1428462	434.97	437.70	2.73	SMI14000566	0.012	181.0	<0.1
HAT-020	1428463	437.70	440.00	2.30	SMI14000566	0.031	9.0	<0.1
HAT-020	1428464	440.00	441.91	1.91	SMI14000566	<0.005	50.8	<0.1
HAT-020	1428465	441.91	443.00	1.09	SMI14000566	0.020	218.1	0.10
HAT-020	1428466	443.00	446.21	3.21	SMI14000566	0.014	199.4	0.10
HAT-020	1428467	446.21	448.40	2.19	SMI14000566	<0.005	33.9	<0.1
HAT-020	1428468	448.40	450.35	1.95	SMI14000566	<0.005	76.1	<0.1
HAT-020	1428469	450.35	453.55	3.20	SMI14000566	0.009	125.8	<0.1
HAT-020	1428470	453.55	456.22	2.67	SMI14000566	<0.005	10.6	<0.1
HAT-020	1428471	456.22	458.35	2.13	SMI14000566	<0.005	8.1	0.10
HAT-021	1428501	5.44	7.28	1.84	WHI14000142	0.029	80.5	0.20
HAT-021	1428502	7.28	9.67	2.39	WHI14000142	0.023	154.6	0.10
HAT-021	1428503	9.67	11.64	1.97	WHI14000142	0.093	535.4	0.30
HAT-021	1428504	11.64	13.79	2.15	WHI14000142	0.069	37.9	0.10
HAT-021	1428505	13.79	15.78	1.99	WHI14000142	0.032	102.8	<0.1
HAT-021	1428506	15.78	17.79	2.01	WHI14000142	0.165	124.3	0.20
HAT-021	1428507	17.79	20.48	2.69	WHI14000142	0.033	78.5	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-021	1428508	20.48	22.43	1.95	WHI14000142	0.035	91.5	<0.1
HAT-021	1428509	22.43	25.00	2.57	WHI14000142	0.059	1031.4	0.60
HAT-021	1428510	25.00	26.43	1.43	WHI14000142	0.015	41.3	<0.1
HAT-021	1428511	26.43	28.31	1.88	WHI14000142	0.087	381.5	0.20
HAT-021	1428512	28.31	30.49	2.18	WHI14000142	0.013	74.8	<0.1
HAT-021	1428513	30.49	32.26	1.77	WHI14000142	0.024	299.3	0.10
HAT-021	1428514	32.26	34.44	2.18	WHI14000142	0.020	165.3	0.10
HAT-021	1428515	34.44	36.50	2.06	WHI14000142	0.055	199.9	0.20
HAT-021	1428516	36.50	38.43	1.93	WHI14000142	0.058	362.6	0.10
HAT-021	1428517	38.43	40.62	2.19	WHI14000142	0.028	117.8	<0.1
HAT-021	1428518	40.62	42.97	2.35	WHI14000142	0.026	213.2	0.10
HAT-021	1428519	42.97	45.42	2.45	WHI14000142	0.063	331.7	0.20
HAT-021	1428520	45.42	47.75	2.33	WHI14000142	0.099	879.7	0.30
HAT-021	1428521	47.75	49.97	2.22	WHI14000142	0.150	599.6	0.20
HAT-021	1428522	49.97	51.62	1.65	WHI14000142	0.107	559.8	0.20
HAT-021	1428523	51.62	53.58	1.96	WHI14000142	0.038	471.7	0.20
HAT-021	1428524	53.58	55.52	1.94	WHI14000142	0.032	1081.5	0.40
HAT-021	1428525	55.52	61.00	5.48	WHI14000142	0.035	727.3	0.30
HAT-021	1428526	61.00	71.22	10.22	WHI14000142	0.036	913.3	0.60
HAT-021	1428527	71.22	73.00	1.78	WHI14000142	0.033	417.1	0.20
HAT-021	1428528	73.00	75.54	2.54	WHI14000142	0.019	273.3	0.10
HAT-021	1428529	75.54	77.70	2.16	WHI14000142	0.060	666.1	0.20
HAT-021	1428530	77.70	79.70	2.00	WHI14000142	0.010	141.5	<0.1
HAT-021	1428531	79.70	81.48	1.78	WHI14000142	0.030	282.4	0.10
HAT-021	1428532	81.48	83.31	1.83	WHI14000142	0.024	149.7	<0.1
HAT-021	1428533	83.31	85.39	2.08	WHI14000142	0.035	183.8	<0.1
HAT-021	1428534	85.39	87.71	2.32	WHI14000142	0.058	263.5	0.10
HAT-021	1428535	87.71	89.50	1.79	SMI14000566	0.044	184.5	<0.1
HAT-021	1428536	89.50	91.53	2.03	SMI14000566	0.033	146.6	<0.1
HAT-021	1428537	91.53	93.68	2.15	SMI14000566	0.020	140.5	<0.1
HAT-021	1428538	93.68	95.36	1.68	SMI14000566	0.029	270.0	<0.1
HAT-021	1428539	95.36	97.46	2.10	SMI14000566	0.029	167.6	<0.1
HAT-021	1428540	97.46	100.00	2.54	SMI14000566	0.026	151.2	<0.1
HAT-021	1428541	100.00	102.45	2.45	SMI14000566	0.129	353.9	1.00
HAT-021	1428542	102.45	104.75	2.30	SMI14000566	0.014	174.3	<0.1
HAT-021	1428543	104.75	107.19	2.44	SMI14000566	0.035	416.3	<0.1
HAT-021	1428544	107.19	109.38	2.19	SMI14000566	0.028	356.7	<0.1
HAT-021	1428545	109.38	111.62	2.24	SMI14000566	0.138	461.1	<0.1
HAT-021	1428546	111.62	113.13	1.51	SMI14000566	0.014	372.0	<0.1
HAT-021	1428547	113.13	115.30	2.17	SMI14000566	0.020	414.2	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-021	1428548	115.30	117.44	2.14	SMI14000566	0.014	217.2	<0.1
HAT-021	1428549	117.44	120.38	2.94	SMI14000566	0.017	177.8	<0.1
HAT-021	1428551	120.38	121.97	1.59	SMI14000566	0.012	196.0	0.10
HAT-021	1428552	121.97	123.80	1.83	SMI14000566	0.009	172.1	<0.1
HAT-021	1428553	123.80	126.53	2.73	SMI14000566	0.011	147.9	<0.1
HAT-021	1428554	126.53	129.50	2.97	SMI14000566	0.008	136.8	<0.1
HAT-021	1428555	129.50	130.82	1.32	SMI14000566	0.007	42.5	0.20
HAT-021	1428556	130.82	133.00	2.18	SMI14000566	0.027	241.9	<0.1
HAT-021	1428557	133.00	134.92	1.92	SMI14000566	0.013	53.8	0.10
HAT-021	1428558	134.92	136.79	1.87	SMI14000566	0.044	307.0	0.20
HAT-021	1428559	136.79	138.93	2.14	SMI14000566	0.058	268.6	0.10
HAT-021	1428560	138.93	141.17	2.24	SMI14000566	0.136	319.2	0.30
HAT-021	1428561	141.17	143.14	1.97	SMI14000566	0.022	277.2	<0.1
HAT-021	1428562	143.14	145.36	2.22	SMI14000566	0.096	554.9	0.20
HAT-021	1428563	145.36	147.67	2.31	SMI14000566	0.011	109.5	<0.1
HAT-021	1428564	147.67	151.16	3.49	SMI14000566	0.074	1129.1	0.20
HAT-021	1428565	151.16	153.62	2.46	SMI14000566	0.045	559.5	0.10
HAT-021	1428566	153.62	155.88	2.26	SMI14000566	0.046	441.5	<0.1
HAT-021	1428567	155.88	157.31	1.43	SMI14000566	0.098	502.0	0.20
HAT-021	1428568	157.31	160.21	2.90	SMI14000566	0.017	144.3	<0.1
HAT-021	1428569	160.21	162.53	2.32	SMI14000566	0.018	82.7	<0.1
HAT-021	1428570	162.53	164.14	1.61	SMI14000566	0.017	92.6	0.30
HAT-021	1428571	164.14	166.00	1.86	SMI14000566	0.017	119.8	<0.1
HAT-021	1428572	166.00	168.24	2.24	SMI14000566	0.024	279.1	<0.1
HAT-021	1428573	168.24	169.70	1.46	SMI14000566	0.012	41.0	<0.1
HAT-021	1428574	169.70	171.90	2.20	SMI14000566	0.015	59.5	<0.1
HAT-021	1428575	171.90	173.75	1.85	SMI14000566	0.093	310.8	<0.1
HAT-021	1428576	173.75	175.45	1.70	SMI14000566	0.163	1769.5	0.20
HAT-021	1428577	175.45	177.90	2.45	SMI14000566	0.009	72.2	<0.1
HAT-021	1428578	177.90	180.05	2.15	SMI14000566	0.016	176.6	<0.1
HAT-021	1428579	180.05	181.75	1.70	SMI14000566	0.057	378.1	<0.1
HAT-021	1428580	181.75	184.20	2.45	SMI14000566	0.225	1576.2	0.20
HAT-021	1428581	184.20	186.60	2.40	SMI14000566	0.036	205.6	<0.1
HAT-021	1428582	186.60	188.46	1.86	SMI14000566	0.064	322.6	<0.1
HAT-021	1428583	188.46	190.34	1.88	SMI14000566	0.032	253.8	<0.1
HAT-021	1428584	190.34	192.64	2.30	SMI14000566	0.033	171.6	<0.1
HAT-021	1428585	192.64	194.25	1.61	SMI14000566	0.017	76.3	<0.1
HAT-021	1428586	194.25	196.77	2.52	SMI14000566	0.017	144.4	<0.1
HAT-021	1428587	196.77	198.97	2.20	SMI14000566	0.011	81.1	<0.1
HAT-021	1428588	198.97	201.48	2.51	SMI14000566	0.026	214.3	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-021	1428589	201.48	203.20	1.72	SMI14000566	0.016	151.6	<0.1
HAT-021	1428590	203.20	205.30	2.10	SMI14000566	0.006	33.5	<0.1
HAT-021	1428591	205.30	207.60	2.30	SMI14000566	0.016	145.2	<0.1
HAT-021	1428592	207.60	209.43	1.83	SMI14000566	0.013	142.5	<0.1
HAT-021	1428593	209.43	211.10	1.67	SMI14000566	0.018	157.8	<0.1
HAT-021	1428594	211.10	213.38	2.28	SMI14000566	0.036	416.7	<0.1
HAT-021	1428595	213.38	214.86	1.48	SMI14000566	0.027	319.5	<0.1
HAT-021	1428596	214.86	216.89	2.03	SMI14000566	0.010	148.5	<0.1
HAT-021	1428597	216.89	218.70	1.81	SMI14000566	0.020	250.2	<0.1
HAT-021	1428598	218.70	220.63	1.93	SMI14000566	0.011	101.5	<0.1
HAT-021	1428599	220.63	223.34	2.71	SMI14000566	0.011	99.8	<0.1
HAT-021	1428601	223.34	226.00	2.66	SMI14000566	0.182	1043.9	0.10
HAT-021	1428602	226.00	228.80	2.80	SMI14000566	0.048	529.2	<0.1
HAT-021	1428603	228.80	231.21	2.41	SMI14000566	0.096	707.6	<0.1
HAT-021	1428604	231.21	232.16	0.95	SMI14000566	0.014	224.9	<0.1
HAT-021	1428605	232.16	234.67	2.51	SMI14000566	0.028	246.4	<0.1
HAT-021	1428606	234.67	236.23	1.56	SMI14000566	0.016	335.3	<0.1
HAT-021	1428607	236.23	238.00	1.77	SMI14000566	0.204	1815.5	0.10
HAT-021	1428608	238.00	240.46	2.46	SMI14000566	0.042	330.6	<0.1
HAT-021	1428609	240.46	242.30	1.84	SMI14000566	0.044	431.9	<0.1
HAT-021	1428610	242.30	244.70	2.40	SMI14000566	0.099	1300.3	<0.1
HAT-021	1428611	244.70	246.28	1.58	SMI14000566	0.056	776.3	<0.1
HAT-021	1428612	246.28	247.69	1.41	SMI14000566	0.199	2439.9	0.20
HAT-021	1428613	247.69	250.00	2.31	SMI14000566	0.346	3088.9	0.30
HAT-021	1428614	250.00	252.32	2.32	SMI14000566	0.206	3575.4	0.30
HAT-021	1428615	252.32	253.60	1.28	SMI14000566	0.303	4182.1	0.40
HAT-021	1428616	253.60	255.77	2.17	SMI14000566	0.035	2480.5	0.20
HAT-021	1428617	255.77	257.50	1.73	SMI14000566	0.137	2282.0	0.20
HAT-021	1428618	257.50	259.51	2.01	SMI14000566	0.155	612.8	9.00
HAT-021	1428619	259.51	262.00	2.49	SMI14000566	0.147	2044.6	0.20
HAT-021	1428620	262.00	263.45	1.45	SMI14000566	0.107	1747.1	0.20
HAT-021	1428621	263.45	265.40	1.95	SMI14000566	0.272	4202.4	0.30
HAT-021	1428622	265.40	266.96	1.56	SMI14000566	0.015	224.6	<0.1
HAT-021	1428623	266.96	268.49	1.53	SMI14000566	0.275	4402.5	0.20
HAT-021	1428624	268.49	270.60	2.11	SMI14000566	0.334	5537.3	0.30
HAT-021	1428625	270.60	272.32	1.72	SMI14000566	0.265	3877.6	0.30
HAT-021	1428626	272.32	274.10	1.78	SMI14000566	0.230	3242.8	0.20
HAT-021	1428627	274.10	276.70	2.60	SMI14000566	0.090	1362.9	0.10
HAT-021	1428628	276.70	277.77	1.07	SMI14000566	0.098	1371.9	0.10
HAT-021	1428629	277.77	280.00	2.23	SMI14000566	0.099	1537.6	0.10

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-021	1428630	280.00	282.00	2.00	SMI14000566	0.357	4688.5	0.30
HAT-021	1428631	282.00	283.43	1.43	SMI14000566	0.071	1040.1	<0.1
HAT-021	1428632	283.43	285.04	1.61	SMI14000566	0.143	1381.4	0.10
HAT-021	1428633	285.04	286.43	1.39	SMI14000566	0.073	1376.4	0.20
HAT-021	1428634	286.43	288.35	1.92	SMI14000566	0.066	1172.6	0.10
HAT-021	1428635	288.35	289.57	1.22	SMI14000566	0.072	1263.0	0.10
HAT-021	1428636	289.57	291.30	1.73	SMI14000566	0.297	4431.2	0.30
HAT-021	1428637	291.30	292.67	1.37	SMI14000566	0.275	4477.0	0.30
HAT-021	1428638	292.67	294.22	1.55	SMI14000566	0.121	2462.6	0.20
HAT-021	1428639	294.22	296.34	2.12	SMI14000566	0.079	1231.4	0.10
HAT-021	1428640	296.34	298.53	2.19	SMI14000566	0.124	1361.8	0.10
HAT-021	1428641	298.53	299.99	1.46	SMI14000566	0.111	1149.0	0.10
HAT-021	1428642	299.99	301.74	1.75	SMI14000566	0.089	1185.1	0.10
HAT-021	1428643	301.74	304.00	2.26	SMI14000566	0.055	535.9	0.20
HAT-021	1428644	304.00	306.00	2.00	SMI14000566	0.131	1974.6	0.20
HAT-021	1428645	306.00	307.77	1.77	SMI14000566	0.040	646.3	<0.1
HAT-021	1428646	307.77	310.00	2.23	SMI14000566	0.109	1328.8	0.10
HAT-021	1428647	310.00	311.53	1.53	SMI14000566	0.108	1984.1	0.20
HAT-021	1428648	311.53	313.43	1.90	SMI14000566	0.039	599.6	<0.1
HAT-021	1428649	313.43	315.47	2.04	SMI14000566	0.151	1575.2	0.20
HAT-021	1428651	315.47	317.44	1.97	SMI14000566	0.124	1277.8	0.10
HAT-021	1428652	317.44	319.44	2.00	SMI14000566	0.108	1137.8	0.40
HAT-021	1428653	319.44	321.45	2.01	SMI14000566	0.062	548.2	<0.1
HAT-021	1428654	321.45	323.90	2.45	SMI14000566	0.049	683.5	<0.1
HAT-021	1428655	323.90	325.21	1.31	SMI14000566	0.035	279.6	0.10
HAT-021	1428656	325.21	327.25	2.04	SMI14000566	0.217	1290.6	0.20
HAT-021	1428657	327.25	329.24	1.99	SMI14000566	0.132	1268.2	0.30
HAT-021	1428658	329.24	331.28	2.04	SMI14000566	0.030	514.0	0.10
HAT-021	1428659	331.28	333.29	2.01	SMI14000566	0.024	364.7	0.10
HAT-021	1428660	333.29	335.10	1.81	SMI14000566	0.015	351.6	0.10
HAT-021	1428661	335.10	337.00	1.90	SMI14000566	0.100	1746.6	0.30
HAT-021	1428662	337.00	338.50	1.50	SMI14000566	0.060	624.2	0.10
HAT-021	1428663	338.50	339.59	1.09	SMI14000566	0.068	1534.7	0.50
HAT-021	1428664	339.59	340.80	1.21	SMI14000566	0.094	2011.1	0.40
HAT-021	1428665	340.80	343.00	2.20	SMI14000566	0.064	1758.4	0.40
HAT-021	1428666	343.00	346.00	3.00	SMI14000566	0.070	1390.2	0.20
HAT-022	1428701	0.00	7.00	7.00	SMI14000603	0.014	141.0	<0.1
HAT-022	1428702	7.00	8.50	1.50	SMI14000603	0.014	163.5	<0.1
HAT-022	1428703	8.50	10.43	1.93	SMI14000603	0.014	283.9	0.1
HAT-022	1428704	10.43	12.24	1.81	SMI14000603	0.013	123.4	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-022	1428705	12.24	14.40	2.16	SMI14000603	0.034	425.7	0.20
HAT-022	1428706	14.40	16.65	2.25	SMI14000603	0.098	1399.0	0.30
HAT-022	1428707	16.65	18.41	1.76	SMI14000603	0.126	1099.2	0.50
HAT-022	1428708	18.41	20.67	2.26	SMI14000603	0.154	1190.7	0.50
HAT-022	1428709	20.67	22.78	2.11	SMI14000603	0.029	266.3	0.10
HAT-022	1428710	22.78	24.78	2.00	SMI14000603	0.029	255.9	<0.1
HAT-022	1428711	24.78	26.68	1.90	SMI14000603	0.073	191.4	<0.1
HAT-022	1428712	26.68	28.68	2.00	SMI14000603	0.011	91.8	<0.1
HAT-022	1428713	28.68	30.84	2.16	SMI14000603	0.015	123.5	<0.1
HAT-022	1428714	30.84	32.84	2.00	SMI14000603	0.058	506.9	0.40
HAT-022	1428715	32.84	35.10	2.26	SMI14000603	0.043	190.8	0.20
HAT-022	1428716	35.10	37.25	2.15	SMI14000603	0.008	76.9	<0.1
HAT-022	1428717	37.25	39.22	1.97	SMI14000603	<0.005	34.4	<0.1
HAT-022	1428718	39.22	41.33	2.11	SMI14000603	0.010	177.5	<0.1
HAT-022	1428719	41.33	43.40	2.07	SMI14000603	0.011	103.9	<0.1
HAT-022	1428720	43.40	45.50	2.10	SMI14000603	0.054	582.8	0.20
HAT-022	1428721	45.50	47.64	2.14	SMI14000603	0.297	2456.8	1.20
HAT-022	1428722	47.64	48.72	1.08	SMI14000603	0.402	2607.4	1.20
HAT-022	1428723	48.72	52.10	3.38	SMI14000603	2.102	179.5	2.60
HAT-022	1428724	52.10	53.92	1.82	SMI14000603	0.040	535.3	0.20
HAT-022	1428725	53.92	56.15	2.23	SMI14000603	0.012	367.4	0.20
HAT-022	1428726	56.15	58.80	2.65	SMI14000603	0.075	780.2	0.30
HAT-022	1428727	58.80	61.34	2.54	SMI14000603	0.101	683.3	0.30
HAT-022	1428728	61.34	62.82	1.48	SMI14000603	0.025	253.9	0.20
HAT-022	1428729	62.82	64.90	2.08	SMI14000603	0.027	230.4	<0.1
HAT-022	1428730	64.90	67.10	2.20	SMI14000603	0.026	240.3	<0.1
HAT-022	1428731	67.10	68.90	1.80	SMI14000603	0.077	1116.4	0.40
HAT-022	1428732	68.90	71.09	2.19	SMI14000603	0.059	756.6	0.30
HAT-022	1428733	71.09	73.00	1.91	SMI14000603	0.079	613.5	0.40
HAT-022	1428734	73.00	74.20	1.20	SMI14000603	0.226	2408.1	0.70
HAT-022	1428735	74.20	75.46	1.26	SMI14000603	0.528	4057.4	1.40
HAT-022	1428736	75.46	77.00	1.54	SMI14000603	0.345	2089.2	1.00
HAT-022	1428737	77.00	79.29	2.29	SMI14000603	0.049	432.9	0.10
HAT-022	1428738	79.29	81.96	2.67	SMI14000603	0.034	925.2	0.40
HAT-022	1428739	81.96	83.09	1.13	SMI14000603	0.074	480.9	0.20
HAT-022	1428740	83.09	85.52	2.43	SMI14000603	0.127	2157.8	0.70
HAT-022	1428741	85.52	87.10	1.58	SMI14000603	0.393	4291.7	1.10
HAT-022	1428742	87.10	88.38	1.28	SMI14000603	0.039	924.7	0.30
HAT-022	1428743	88.38	92.13	3.75	SMI14000603	0.470	2877.6	0.70
HAT-022	1428744	92.13	94.34	2.21	SMI14000603	0.045	317.8	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-022	1428745	94.34	96.20	1.86	SMI14000603	0.132	879.3	0.20
HAT-022	1428746	96.20	98.38	2.18	SMI14000603	0.064	387.4	<0.1
HAT-022	1428747	98.38	100.85	2.47	SMI14000603	0.059	403.9	0.10
HAT-022	1428748	100.85	102.70	1.85	SMI14000603	0.010	74.8	<0.1
HAT-022	1428749	102.70	104.82	2.12	SMI14000603	<0.005	24.4	<0.1
HAT-022	1428751	104.82	107.00	2.18	SMI14000603	0.006	47.9	<0.1
HAT-022	1428752	107.00	108.32	1.32	SMI14000603	0.064	555.8	0.10
HAT-022	1428753	108.32	110.90	2.58	SMI14000603	0.032	296.1	<0.1
HAT-022	1428754	110.90	112.50	1.60	SMI14000603	0.122	4520.5	1.80
HAT-022	1428755	112.50	114.17	1.67	SMI14000603	0.026	411.2	<0.1
HAT-022	1428756	114.17	116.36	2.19	SMI14000603	0.124	1284.7	0.30
HAT-022	1428757	116.36	119.64	3.28	SMI14000603	0.041	851.3	0.20
HAT-022	1428758	119.64	120.73	1.09	SMI14000603	0.038	1523.3	0.30
HAT-022	1428759	120.73	122.90	2.17	SMI14000603	0.049	1012.5	0.20
HAT-022	1428760	122.90	125.00	2.10	SMI14000603	0.019	769.5	0.20
HAT-022	1428761	125.00	126.61	1.61	SMI14000603	0.389	4938.8	1.20
HAT-022	1428762	126.61	128.44	1.83	SMI14000603	0.110	3253.9	0.70
HAT-022	1428763	128.44	130.39	1.95	SMI14000603	0.254	3371.3	0.80
HAT-022	1428764	130.39	132.59	2.20	SMI14000603	0.357	4678.5	0.70
HAT-022	1428765	132.59	134.77	2.18	SMI14000603	0.061	382.5	<0.1
HAT-022	1428766	134.77	137.00	2.23	SMI14000603	0.068	822.8	0.10
HAT-022	1428767	137.00	138.85	1.85	SMI14000603	0.414	6004.8	0.80
HAT-022	1428768	138.85	140.74	1.89	SMI14000603	0.047	785.2	0.10
HAT-022	1428769	140.74	142.80	2.06	SMI14000603	0.088	1362.5	0.20
HAT-022	1428770	142.80	144.50	1.70	SMI14000603	0.124	566.2	<0.1
HAT-022	1428771	144.50	146.54	2.04	SMI14000603	0.027	388.1	<0.1
HAT-022	1428772	146.54	148.60	2.06	SMI14000603	0.038	650.2	<0.1
HAT-022	1428773	148.60	150.30	1.70	SMI14000603	0.034	589.9	<0.1
HAT-022	1428774	150.30	152.23	1.93	SMI14000603	0.059	726.1	<0.1
HAT-022	1428775	152.23	154.15	1.92	SMI14000603	0.143	2565.6	0.20
HAT-022	1428776	154.15	155.89	1.74	SMI14000603	0.014	359.0	<0.1
HAT-022	1428777	155.89	158.20	2.31	SMI14000603	0.063	991.5	<0.1
HAT-022	1428778	158.20	160.10	1.90	SMI14000603	0.017	301.9	<0.1
HAT-022	1428779	160.10	161.89	1.79	SMI14000603	0.069	1183.9	<0.1
HAT-022	1428780	161.89	164.00	2.11	SMI14000603	0.104	2155.1	0.20
HAT-022	1428781	164.00	165.11	1.11	SMI14000603	0.058	2080.6	0.20
HAT-022	1428782	165.11	167.00	1.89	SMI14000603	0.080	734.8	<0.1
HAT-022	1428783	167.00	169.50	2.50	SMI14000603	0.010	150.6	<0.1
HAT-022	1428784	169.50	171.41	1.91	SMI14000603	0.013	164.0	<0.1
HAT-022	1428785	171.41	173.27	1.86	SMI14000603	0.102	1643.1	0.10

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-022	1428786	173.27	174.90	1.63	SMI14000603	0.045	597.1	0.10
HAT-022	1428787	174.90	177.15	2.25	SMI14000603	0.106	768.2	<0.1
HAT-022	1428788	177.15	179.50	2.35	SMI14000603	0.674	1831.0	0.20
HAT-022	1428789	179.50	181.41	1.91	SMI14000603	0.144	850.5	<0.1
HAT-022	1428790	181.41	183.30	1.89	SMI14000603	0.108	581.5	0.10
HAT-022	1428791	183.30	185.57	2.27	SMI14000603	0.138	934.4	<0.1
HAT-022	1428792	185.57	187.65	2.08	SMI14000603	0.130	1096.9	0.10
HAT-022	1428793	187.65	189.71	2.06	SMI14000603	0.119	688.7	<0.1
HAT-022	1428794	189.71	191.88	2.17	SMI14000603	0.082	669.7	<0.1
HAT-022	1428795	191.88	193.93	2.05	SMI14000603	0.150	1494.9	0.10
HAT-022	1428796	193.93	196.00	2.07	SMI14000603	0.085	1504.4	<0.1
HAT-022	1428797	196.00	197.88	1.88	SMI14000603	0.076	665.4	<0.1
HAT-022	1428798	197.88	199.13	1.25	SMI14000603	8.297	22600.0	2.60
HAT-022	1428799	199.13	200.39	1.26	SMI14000603	1.450	6104.9	0.50
HAT-022	1428800	200.39	202.68	2.29	SMI14000603	0.470	2258.7	0.30
HAT-022	1428801	202.68	205.30	2.62	SMI14000603	0.499	705.8	<0.1
HAT-022	1428802	205.30	207.25	1.95	SMI14000603	0.048	147.4	<0.1
HAT-022	1428804	207.25	209.00	1.75	SMI14000603	0.382	638.2	<0.1
HAT-022	1428805	209.00	211.05	2.05	SMI14000603	0.193	179.8	<0.1
HAT-022	1428806	211.05	213.21	2.16	SMI14000603	0.032	164.0	<0.1
HAT-022	1428807	213.21	215.27	2.06	SMI14000603	0.040	119.2	<0.1
HAT-022	1428808	215.27	217.55	2.28	SMI14000603	0.074	478.8	<0.1
HAT-022	1428809	217.55	219.66	2.11	SMI14000603	0.200	1367.6	0.20
HAT-022	1428810	219.66	221.91	2.25	SMI14000603	0.011	425.3	<0.1
HAT-022	1428811	221.91	224.00	2.09	SMI14000603	0.026	434.5	<0.1
HAT-022	1428812	224.00	226.20	2.20	SMI14000603	0.210	841.6	0.10
HAT-022	1428813	226.20	228.35	2.15	SMI14000603	0.152	857.2	<0.1
HAT-022	1428814	228.35	230.24	1.89	SMI14000603	0.124	1751.8	0.10
HAT-022	1428815	230.24	232.20	1.96	SMI14000603	0.652	5053.7	0.40
HAT-022	1428816	232.20	234.38	2.18	SMI14000603	0.438	2229.8	0.20
HAT-022	1428817	234.38	235.38	1.00	SMI14000603	1.710	10200.0	0.80
HAT-022	1428818	235.38	237.33	1.95	SMI14000603	0.130	1069.8	<0.1
HAT-022	1428819	237.33	239.00	1.67	SMI14000603	0.013	163.3	<0.1
HAT-022	1428820	239.00	240.74	1.74	SMI14000603	0.046	692.1	<0.1
HAT-022	1428821	240.74	242.00	1.26	SMI14000603	0.340	4462.8	0.30
HAT-022	1428822	242.00	243.89	1.89	SMI14000603	0.007	125.3	<0.1
HAT-022	1428823	243.89	246.09	2.20	SMI14000603	0.056	1005.3	<0.1
HAT-022	1428824	246.09	247.27	1.18	SMI14000603	0.249	4584.9	0.40
HAT-022	1428825	247.27	249.23	1.96	SMI14000603	0.029	527.3	<0.1
HAT-022	1428826	249.23	251.29	2.06	SMI14000603	0.018	406.3	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-022	1428827	251.29	253.49	2.20	SMI14000603	0.015	468.0	<0.1
HAT-022	1428828	253.49	255.59	2.10	SMI14000603	0.018	149.5	<0.1
HAT-022	1428829	255.59	257.67	2.08	SMI14000603	0.115	801.1	<0.1
HAT-022	1428830	257.67	259.90	2.23	SMI14000603	0.035	207.6	<0.1
HAT-022	1428831	259.90	262.06	2.16	SMI14000603	0.029	476.5	<0.1
HAT-022	1428832	262.06	263.98	1.92	SMI14000603	0.055	291.0	<0.1
HAT-022	1428833	263.98	266.00	2.02	SMI14000603	0.212	1597.8	0.20
HAT-022	1428834	266.00	268.14	2.14	SMI14000603	0.059	739.7	<0.1
HAT-022	1428835	268.14	270.15	2.01	SMI14000603	0.277	1048.7	0.10
HAT-022	1428836	270.15	272.14	1.99	SMI14000603	0.053	586.6	<0.1
HAT-022	1428837	272.14	274.24	2.10	SMI14000603	0.048	708.4	<0.1
HAT-022	1428838	274.24	276.21	1.97	SMI14000603	0.046	454.8	<0.1
HAT-022	1428839	276.21	278.18	1.97	SMI14000603	0.050	611.1	<0.1
HAT-022	1428840	278.18	280.37	2.19	SMI14000603	0.199	1206.7	0.10
HAT-022	1428841	280.37	282.44	2.07	SMI14000603	0.055	375.8	<0.1
HAT-022	1428842	282.44	284.45	2.01	SMI14000603	0.053	473.1	<0.1
HAT-022	1428843	284.45	285.89	1.44	SMI14000603	0.037	442.7	<0.1
HAT-022	1428844	285.89	287.57	1.68	SMI14000603	0.073	710.7	<0.1
HAT-022	1428845	287.57	289.31	1.74	SMI14000603	0.051	539.6	<0.1
HAT-022	1428846	289.31	291.32	2.01	SMI14000603	0.283	1860.7	0.20
HAT-022	1428847	291.32	292.78	1.46	SMI14000603	0.118	907.8	<0.1
HAT-022	1428848	292.78	294.18	1.40	SMI14000603	0.039	471.1	<0.1
HAT-022	1428849	294.18	296.31	2.13	SMI14000603	0.134	1709.7	<0.1
HAT-022	1428851	296.31	298.00	1.69	SMI14000603	0.138	1462.2	0.20
HAT-022	1428852	298.00	299.64	1.64	SMI14000603	0.124	1455.1	0.10
HAT-022	1428853	299.64	301.36	1.72	SMI14000603	0.144	1834.9	0.20
HAT-022	1428854	301.36	302.93	1.57	SMI14000603	0.107	1777.7	0.20
HAT-022	1428855	302.93	304.86	1.93	SMI14000603	0.372	3267.3	0.20
HAT-022	1428856	304.86	306.80	1.94	SMI14000603	1.217	6091.7	0.60
HAT-022	1428857	306.80	308.65	1.85	SMI14000603	0.195	2972.6	0.30
HAT-022	1428858	308.65	310.30	1.65	SMI14000603	0.372	5381.0	0.40
HAT-022	1428859	310.30	311.57	1.27	SMI14000603	7.774	57900.0	7.60
HAT-022	1428860	311.57	313.06	1.49	SMI14000603	2.765	46400.0	3.80
HAT-022	1428861	313.06	314.37	1.31	SMI14000603	0.340	4487.3	0.50
HAT-022	1428862	314.37	315.54	1.17	SMI14000603	1.753	4953.1	0.90
HAT-022	1428863	315.54	317.25	1.71	SMI14000603	0.237	2186.9	0.40
HAT-022	1428864	317.25	318.89	1.64	SMI14000603	0.242	2101.8	0.20
HAT-022	1428865	318.89	320.35	1.46	SMI14000603	0.172	2814.6	0.30
HAT-022	1428866	320.35	321.38	1.03	SMI14000603	1.318	53800.0	6.20
HAT-022	1428867	321.38	322.83	1.45	SMI14000603	0.123	2120.3	0.30

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-022	1428868	322.83	324.05	1.22	SMI14000603	0.780	8963.3	0.90
HAT-022	1428869	324.05	325.51	1.46	SMI14000603	0.337	3212.2	0.40
HAT-022	1428870	325.51	326.69	1.18	SMI14000603	0.296	3667.5	0.40
HAT-022	1428871	326.69	328.00	1.31	SMI14000603	0.679	4653.5	0.60
HAT-022	1428872	328.00	330.35	2.35	SMI14000603	0.133	1633.2	0.10
HAT-022	1428873	330.35	332.42	2.07	SMI14000603	0.527	8285.7	0.70
HAT-022	1428874	332.42	334.41	1.99	SMI14000603	0.140	2292.3	0.30
HAT-022	1428875	334.41	336.80	2.39	SMI14000603	0.328	5637.3	0.80
HAT-022	1428876	336.80	338.31	1.51	SMI14000603	0.223	3999.2	0.60
HAT-022	1428877	338.31	340.48	2.17	SMI14000603	0.112	1363.5	0.20
HAT-022	1428878	340.48	342.31	1.83	SMI14000603	0.074	1112.8	0.30
HAT-022	1428879	342.31	344.71	2.40	SMI14000603	0.060	1778.6	0.30
HAT-022	1428880	344.71	346.27	1.56	SMI14000603	0.289	2377.2	0.40
HAT-022	1428881	346.27	347.66	1.39	SMI14000603	0.998	12000.0	2.10
HAT-022	1428882	347.66	348.76	1.10	SMI14000603	0.186	5506.8	1.00
HAT-022	1428883	348.76	350.82	2.06	SMI14000603	0.311	5532.3	0.90
HAT-022	1428884	350.82	353.00	2.18	SMI14000603	0.353	5741.1	1.10
HAT-022	1428885	353.00	354.58	1.58	SMI14000603	0.082	1424.6	0.30
HAT-022	1428886	354.58	356.28	1.70	SMI14000603	0.032	766.7	0.30
HAT-022	1428887	356.28	358.23	1.95	SMI14000603	0.065	1027.5	0.20
HAT-022	1428888	358.23	359.88	1.65	SMI14000603	0.461	5658.5	0.80
HAT-022	1428889	359.88	362.00	2.12	SMI14000603	0.076	3086.4	0.60
HAT-022	1428890	362.00	363.54	1.54	SMI14000603	0.638	7346.9	1.60
HAT-022	1428891	363.54	365.27	1.73	SMI14000603	0.466	6576.9	1.00
HAT-022	1428892	365.27	367.00	1.73	SMI14000603	0.038	485.0	<0.1
HAT-022	1428893	367.00	369.62	2.62	SMI14000603	0.091	942.9	<0.1
HAT-022	1428894	369.62	370.77	1.15	SMI14000603	0.096	1125.2	0.10
HAT-022	1428895	370.77	372.30	1.53	SMI14000603	0.122	1285.6	0.30
HAT-022	1428896	372.30	374.77	2.47	SMI14000603	0.093	2156.8	0.30
HAT-022	1428897	374.77	377.00	2.23	SMI14000603	0.089	1439.7	0.40
HAT-022	1428898	377.00	378.88	1.88	SMI14000603	0.061	1764.4	0.40
HAT-022	1428899	378.88	381.03	2.15	SMI14000603	0.240	2517.2	0.40
HAT-022	1428900	381.03	383.21	2.18	SMI14000603	0.081	1591.5	0.40
HAT-022	1428902	383.21	384.30	1.09	SMI14000603	0.048	1146.0	0.20
HAT-022	1428903	384.30	385.84	1.54	SMI14000603	0.073	1277.5	0.20
HAT-022	1428904	385.84	387.58	1.74	SMI14000603	0.216	4411.9	0.70
HAT-022	1428905	387.58	389.15	1.57	SMI14000603	0.466	7201.8	0.60
HAT-022	1428906	389.15	390.70	1.55	SMI14000603	0.623	19300.0	2.70
HAT-022	1428907	390.70	392.95	2.25	SMI14000603	0.696	11000.0	2.00
HAT-022	1428908	392.95	395.10	2.15	SMI14000603	0.157	5887.4	1.00

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-022	1428909	395.10	397.77	2.67	SMI14000603	0.190	3884.7	0.70
HAT-022	1428910	397.77	398.30	0.53	SMI14000603	0.395	4557.2	0.60
HAT-022	1428911	398.30	400.52	2.22	SMI14000603	0.362	5283.3	0.80
HAT-022	1428912	400.52	402.70	2.18	SMI14000603	0.222	2368.8	0.60
HAT-022	1428913	402.70	404.82	2.12	SMI14000603	0.233	4447.9	0.70
HAT-022	1428914	404.82	406.77	1.95	SMI14000603	0.192	3076.7	0.40
HAT-022	1428915	406.77	408.45	1.68	SMI14000603	0.473	11500.0	2.10
HAT-022	1428916	408.45	410.51	2.06	SMI14000603	0.329	3922.6	0.80
HAT-022	1428917	410.51	412.87	2.36	SMI14000603	0.219	2888.3	0.30
HAT-022	1428918	412.87	415.02	2.15	SMI14000603	0.215	3615.6	0.50
HAT-022	1428919	415.02	417.05	2.03	SMI14000603	0.024	609.6	0.10
HAT-022	1428920	417.05	419.00	1.95	SMI14000603	0.032	705.0	<0.1
HAT-022	1428921	419.00	421.32	2.32	SMI14000603	0.905	6508.6	1.30
HAT-022	1428922	421.32	423.04	1.72	SMI14000603	0.018	927.5	0.20
HAT-022	1428923	423.04	424.18	1.14	SMI14000603	0.044	1553.7	0.20
HAT-022	1428924	424.18	427.33	3.15	SMI14000603	0.031	692.5	<0.1
HAT-022	1428925	427.33	429.30	1.97	SMI14000603	0.069	687.0	<0.1
HAT-022	1428926	429.30	431.67	2.37	SMI14000603	0.026	356.2	<0.1
HAT-022	1428927	431.67	433.82	2.15	SMI14000603	0.027	883.0	0.20
HAT-022	1428928	433.82	435.94	2.12	SMI14000603	0.048	1053.1	0.20
HAT-022	1428929	435.94	438.15	2.21	SMI14000603	0.053	729.7	<0.1
HAT-022	1428930	438.15	440.03	1.88	SMI14000603	0.047	779.3	0.10
HAT-022	1428931	440.03	441.84	1.81	SMI14000603	0.028	370.5	<0.1
HAT-022	1428932	441.84	443.40	1.56	SMI14000603	0.054	610.9	<0.1
HAT-022	1428933	443.40	445.63	2.23	SMI14000603	0.055	806.6	<0.1
HAT-022	1428934	445.63	447.60	1.97	SMI14000603	0.159	2041.1	0.20
HAT-022	1428935	447.60	449.90	2.30	SMI14000603	0.147	2023.4	0.30
HAT-022	1428936	449.90	451.65	1.75	SMI14000603	0.091	1457.4	0.20
HAT-022	1428937	451.65	453.47	1.82	SMI14000603	0.109	1077.2	0.10
HAT-022	1428938	453.47	455.23	1.76	SMI14000603	0.053	897.8	0.10
HAT-022	1428939	455.23	457.37	2.14	SMI14000603	0.064	525.3	<0.1
HAT-022	1428940	457.37	459.30	1.93	SMI14000603	0.016	734.3	0.10
HAT-022	1428941	459.30	461.53	2.23	SMI14000603	0.033	734.7	0.10
HAT-022	1428942	461.53	463.78	2.25	SMI14000603	0.112	1727.9	0.20
HAT-022	1428943	463.78	465.90	2.12	SMI14000603	0.036	453.9	<0.1
HAT-022	1428944	465.90	467.45	1.55	SMI14000603	0.041	440.8	<0.1
HAT-022	1428945	467.45	469.54	2.09	SMI14000603	<0.005	53.0	<0.1
HAT-022	1428946	469.54	471.36	1.82	SMI14000603	0.042	549.2	<0.1
HAT-022	1428947	471.36	473.25	1.89	SMI14000603	0.032	549.0	<0.1
HAT-022	1428948	473.25	475.90	2.65	SMI14000603	0.049	357.2	<0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-022	1428949	475.90	478.04	2.14	SMI14000603	0.047	543.1	<0.1
HAT-022	1428950	478.04	480.34	2.30	SMI14000603	0.035	313.5	<0.1
HAT-022	1428952	480.34	482.00	1.66	SMI14000603	0.047	393.0	<0.1
HAT-022	1428953	482.00	484.20	2.20	SMI14000603	0.029	450.9	<0.1
HAT-022	1428954	484.20	486.31	2.11	SMI14000603	0.012	164.4	<0.1
HAT-022	1428955	486.31	488.35	2.04	SMI14000603	0.038	421.0	0.10
HAT-022	1428956	488.35	490.40	2.05	SMI14000603	0.059	926.0	0.20
HAT-022	1428957	490.40	492.16	1.76	SMI14000603	0.039	494.8	0.20
HAT-022	1428958	492.16	494.28	2.12	SMI14000603	0.022	343.8	<0.1
HAT-022	1428959	494.28	496.47	2.19	SMI14000603	0.020	202.9	<0.1
HAT-022	1428960	496.47	498.47	2.00	SMI14000603	0.018	287.4	<0.1
HAT-022	1428961	498.47	500.73	2.26	SMI14000603	0.127	2380.5	0.20
HAT-022	1428962	500.73	503.00	2.27	SMI14000603	0.025	413.4	<0.1
HAT-022	1428963	503.00	505.15	2.15	SMI14000603	0.024	346.2	<0.1
HAT-022	1428964	505.15	507.26	2.11	SMI14000603	0.014	103.5	<0.1
HAT-022	1428965	507.26	509.37	2.11	SMI14000603	0.011	187.8	<0.1
HAT-022	1428966	509.37	511.58	2.21	SMI14000603	0.006	97.4	<0.1
HAT-022	1428967	511.58	513.57	1.99	SMI14000603	0.014	188.9	<0.1
HAT-022	1428968	513.57	515.76	2.19	SMI14000603	0.009	105.3	<0.1
HAT-022	1428969	515.76	517.90	2.14	SMI14000603	0.033	215.7	<0.1
HAT-022	1428970	517.90	520.30	2.40	SMI14000603	0.007	122.3	<0.1
HAT-022	1428971	520.30	522.13	1.83	SMI14000603	0.020	204.2	<0.1
HAT-022	1428972	522.13	524.66	2.53	SMI14000603	0.037	469.0	0.10
HAT-022	1428973	524.66	527.00	2.34	SMI14000603	0.075	1179.6	0.20
HAT-023	2620001	0	7.9	7.90	SMI14000934	0.013	167.2	0.1
HAT-023	2620002	7.9	9.62	1.72	SMI14000934	0.012	113.8	<0.1
HAT-023	2620003	9.62	10.9	1.28	SMI14000934	0.012	164.7	0.1
HAT-023	2620004	10.9	13	2.10	SMI14000934	0.046	635.4	0.9
HAT-023	2620005	13	13.94	0.94	SMI14000934	0.009	167.8	0.1
HAT-023	2620006	13.94	15.92	1.98	SMI14000934	0.009	147.7	<0.1
HAT-023	2620007	15.92	17.4	1.48	SMI14000934	0.007	106.2	<0.1
HAT-023	2620008	17.4	18.35	0.95	SMI14000934	0.008	29.8	<0.1
HAT-023	2620009	18.35	20	1.65	SMI14000934	0.011	151.4	0.1
HAT-023	2620010	20	21.1	1.10	SMI14000934	0.009	155.7	0.1
HAT-023	2620011	21.1	22.7	1.60	SMI14000934	0.018	118.5	<0.1
HAT-023	2620012	22.7	24.1	1.40	SMI14000934	0.012	383.8	0.8
HAT-023	2620013	24.1	25.54	1.44	SMI14000934	0.014	598.8	0.6
HAT-023	2620014	25.54	26.83	1.29	SMI14000934	0.005	209.8	0.2
HAT-023	2620015	26.83	28.44	1.61	SMI14000934	0.006	69.7	<0.1
HAT-023	2620016	28.44	29.88	1.44	SMI14000934	0.005	265	0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-023	2620018	29.88	31.8	1.92	SMI14000934	0.005	179.9	0.1
HAT-023	2620019	31.8	33.47	1.67	SMI14000934	<0.005	191.6	0.2
HAT-023	2620020	33.47	35.8	2.33	SMI14000934	<0.005	142.6	0.1
HAT-023	2620021	35.8	38	2.20	SMI14000934	0.006	161.9	<0.1
HAT-023	2620022	38	39.89	1.89	SMI14000934	0.011	117.1	<0.1
HAT-023	2620023	39.89	42.03	2.14	SMI14000934	0.014	222.6	0.2
HAT-023	2620024	42.03	43.71	1.68	SMI14000934	0.014	399.9	0.4
HAT-023	2620026	43.71	45.09	1.38	SMI14000934	<0.005	248.8	0.2
HAT-023	2620027	45.09	46.34	1.25	SMI14000934	0.006	127.5	<0.1
HAT-023	2620028	46.34	48.3	1.96	SMI14000934	0.008	404.2	0.2
HAT-023	2620029	48.3	50.45	2.15	SMI14000934	0.024	368.2	0.2
HAT-023	2620030	50.45	52.73	2.28	SMI14000934	0.011	126.6	0.1
HAT-023	2620031	52.73	54.81	2.08	SMI14000934	0.014	167.7	0.1
HAT-023	2620032	54.81	56.72	1.91	SMI14000934	0.011	142.7	0.2
HAT-023	2620033	56.72	57.75	1.03	SMI14000934	0.214	3241.5	2.1
HAT-023	2620034	57.75	58.76	1.01	SMI14000934	0.1	1615.3	0.5
HAT-023	2620035	58.76	60.83	2.07	SMI14000934	0.04	647.7	0.4
HAT-023	2620036	60.83	63	2.17	SMI14000934	0.057	604.3	0.3
HAT-023	2620037	63	64.7	1.70	SMI14000934	0.038	432.9	0.2
HAT-023	2620038	64.7	66.41	1.71	SMI14000934	0.139	2030.4	1.1
HAT-023	2620039	66.41	67.9	1.49	SMI14000934	0.028	1151.1	0.9
HAT-023	2620040	67.9	69.45	1.55	SMI14000934	0.276	4932	3.3
HAT-023	2620041	69.45	71.47	2.02	SMI14000934	0.047	1541.3	1
HAT-023	2620042	71.47	73.78	2.31	SMI14000934	0.109	459.4	0.2
HAT-023	2620043	73.78	74.31	0.53	SMI14000934	0.45	9117.9	7.2
HAT-023	2620044	74.31	75.9	1.59	SMI14000934	0.077	2147.5	1.4
HAT-023	2620045	75.9	77.65	1.75	SMI14000934	0.272	4722.5	3
HAT-023	2620046	77.65	79.91	2.26	SMI14000934	0.141	3251.7	1.7
HAT-023	2620047	79.91	82.25	2.34	SMI14000934	0.065	2671.6	1.5
HAT-023	2620048	82.25	83.81	1.56	SMI14000934	0.019	1295.7	0.7
HAT-023	2620049	83.81	86	2.19	SMI14000934	0.106	1960.8	1.1
HAT-023	2620051	86	86.81	0.81	SMI14000934	0.567	6029.4	3.5
HAT-023	2620052	86.81	88	1.19	SMI14000934	0.046	1511.4	0.9
HAT-023	2620053	88	89.55	1.55	SMI14000934	0.013	589.2	0.4
HAT-023	2620054	89.55	90.87	1.32	SMI14000934	1.453	6268.7	3.3
HAT-023	2620055	90.87	91.9	1.03	SMI14000934	0.479	28880	15.2
HAT-023	2620056	91.9	92.97	1.07	SMI14000934	0.021	2024.8	1
HAT-023	2620057	92.97	94.4	1.43	SMI14000934	0.061	6800.3	3.7
HAT-023	2620058	94.4	95.44	1.04	SMI14000934	0.008	2720.7	1.4
HAT-023	2620059	95.44	97.15	1.71	SMI14000934	0.023	2616	1.3

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-023	2620060	97.15	98.6	1.45	SMI14000934	0.037	4617.4	2.5
HAT-023	2620061	98.6	99.83	1.23	SMI14000934	0.01	802.9	0.5
HAT-023	2620062	99.83	101.04	1.21	SMI14000934	0.023	1755.7	1.2
HAT-023	2620063	101.04	102.34	1.30	SMI14000934	0.107	3260.8	2.1
HAT-023	2620064	102.34	103.64	1.30	SMI14000934	0.054	1952.3	0.9
HAT-023	2620065	103.64	104.48	0.84	SMI14000934	0.005	1511.8	0.9
HAT-023	2620066	104.48	106.17	1.69	SMI14000934	0.048	1407.1	0.8
HAT-023	2620067	106.17	107.2	1.03	SMI14000934	0.032	2928	1.7
HAT-023	2620068	107.2	108.49	1.29	SMI14000934	0.019	3085	1.7
HAT-023	2620069	108.49	109.59	1.10	SMI14000934	0.02	897.3	0.4
HAT-023	2620070	109.59	110.77	1.18	SMI14000934	0.031	5486.6	3.5
HAT-023	2620071	110.77	112.15	1.38	SMI14000934	0.031	2273.8	1.2
HAT-023	2620072	112.15	113.39	1.24	SMI14000934	0.08	1368.1	0.9
HAT-023	2620073	113.39	114.57	1.18	SMI14000934	0.012	199.5	0.2
HAT-023	2620074	114.57	116	1.43	SMI14000934	0.081	1581.9	0.8
HAT-023	2620076	116	117.12	1.12	SMI14000934	0.497	8085	3.2
HAT-023	2620077	117.12	119	1.88	SMI14000934	0.06	925.8	0.4
HAT-023	2620078	119	120.2	1.20	SMI14000934	0.019	196	0.1
HAT-023	2620079	120.2	122.16	1.96	SMI14000934	0.028	359.2	0.1
HAT-023	2620080	122.16	124.35	2.19	SMI14000934	0.021	423.7	0.2
HAT-023	2620081	124.35	126.42	2.07	SMI14000934	0.034	988.9	0.5
HAT-023	2620082	126.42	128.28	1.86	SMI14000934	0.041	1460.6	0.6
HAT-023	2620083	128.28	130.52	2.24	SMI14000934	0.049	2746.6	1.4
HAT-023	2620084	130.52	132.2	1.68	SMI14000934	0.082	2181.4	1.1
HAT-023	2620085	132.2	134.27	2.07	SMI14000934	0.021	779.8	0.4
HAT-023	2620086	134.27	136.29	2.02	SMI14000934	0.023	869.7	0.2
HAT-023	2620087	136.29	138.1	1.81	SMI14000934	0.015	615	0.1
HAT-023	2620088	138.1	140	1.90	SMI14000934	0.008	524.4	0.1
HAT-023	2620089	140	141.8	1.80	SMI14000934	0.01	266.1	<0.1
HAT-023	2620090	141.8	143.43	1.63	SMI14000934	0.044	822.1	0.3
HAT-023	2620091	143.43	145.2	1.77	SMI14000934	0.05	1081.4	0.4
HAT-023	2620092	145.2	146.5	1.30	SMI14000934	0.044	535.4	0.2
HAT-023	2620093	146.5	148.25	1.75	SMI14000934	0.036	1062.4	0.3
HAT-023	2620094	148.25	149.88	1.63	SMI14000934	0.14	803.8	0.2
HAT-023	2620095	149.88	152	2.12	SMI14000934	0.064	1774.2	0.6
HAT-023	2620096	152	154.2	2.20	SMI14000934	0.168	1739.9	0.5
HAT-023	2620097	154.2	155.27	1.07	SMI14000934	2.903	13150	3.7
HAT-023	2620098	155.27	156.38	1.11	SMI14000934	2.299	7455	2.6
HAT-023	2620099	156.38	157.91	1.53	SMI14000934	0.117	1381.2	0.4
HAT-023	2620101	157.91	158.95	1.04	SMI14000934	0.068	3515.8	1.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-023	2620102	158.95	160.68	1.73	SMI14000934	0.094	6901	1.8
HAT-023	2620103	160.68	162.9	2.22	SMI14000934	0.085	1254.3	1.2
HAT-023	2620104	162.9	164.46	1.56	SMI14000934	0.057	2017.2	0.5
HAT-023	2620105	164.46	166	1.54	SMI14000934	0.062	1053.7	0.4
HAT-023	2620106	166	167.68	1.68	SMI14000934	0.027	240.5	<0.1
HAT-023	2620107	167.68	169.33	1.65	SMI14000934	0.061	731.5	0.2
HAT-023	2620108	169.33	171.52	2.19	SMI14000934	0.117	1023.2	0.2
HAT-023	2620109	171.52	173.73	2.21	SMI14000934	0.067	886.2	0.2
HAT-023	2620110	173.73	176	2.27	SMI14000934	0.075	817.4	0.2
HAT-023	2620111	176	177.95	1.95	SMI14000934	0.111	371.4	<0.1
HAT-023	2620112	177.95	179.88	1.93	SMI14000934	0.037	388	0.1
HAT-023	2620113	179.88	182.15	2.27	SMI14000934	0.043	348.1	<0.1
HAT-023	2620114	182.15	184.22	2.07	SMI14000934	0.04	279.3	0.1
HAT-023	2620115	184.22	186.26	2.04	SMI14000934	0.086	744.1	0.1
HAT-023	2620116	186.26	187.66	1.40	SMI14000934	0.263	2113.4	0.3
HAT-023	2620118	187.66	189.18	1.52	SMI14000934	0.042	511.6	<0.1
HAT-023	2620119	189.18	190.57	1.39	SMI14000934	0.124	1006.6	<0.1
HAT-023	2620120	190.57	192.67	2.10	SMI14000934	0.528	2848.7	0.3
HAT-023	2620121	192.67	194.22	1.55	SMI14000934	0.358	839.3	0.2
HAT-023	2620122	194.22	195.7	1.48	SMI14000934	0.319	1720	0.2
HAT-023	2620123	195.7	196.9	1.20	SMI14000934	0.261	2005.4	0.2
HAT-023	2620124	196.9	198.66	1.76	SMI14000934	1.234	6270.5	0.8
HAT-023	2620126	198.66	200	1.34	SMI14000934	0.56	3158.3	0.3
HAT-023	2620127	200	201.64	1.64	SMI14000934	0.364	2267.1	0.3
HAT-023	2620128	201.64	203.27	1.63	SMI14000934	0.843	7414.3	0.6
HAT-023	2620129	203.27	204.77	1.50	SMI14000934	0.326	1639.2	0.5
HAT-023	2620130	204.77	206.27	1.50	SMI14000934	0.666	1906.7	0.3
HAT-023	2620131	206.27	207.73	1.46	SMI14000934	2.114	3249.5	0.8
HAT-023	2620132	207.73	209.3	1.57	SMI14000934	0.592	5095	0.7
HAT-023	2620133	209.3	210.45	1.15	SMI14000934	0.876	8210.1	1.1
HAT-023	2620134	210.45	211.57	1.12	SMI14000934	0.352	4787.5	0.7
HAT-023	2620135	211.57	213.03	1.46	SMI14000934	0.435	5396.7	0.7
HAT-023	2620136	213.03	214.67	1.64	SMI14000934	0.227	2261.3	0.3
HAT-023	2620137	214.67	215.85	1.18	SMI14000934	1.814	6496.3	0.9
HAT-023	2620138	215.85	217.49	1.64	SMI14000934	0.4	2013.3	0.4
HAT-023	2620139	217.49	218.62	1.13	SMI14000934	0.296	2651.4	0.3
HAT-023	2620140	218.62	220.18	1.56	SMI14000934	0.256	2747.8	0.3
HAT-023	2620141	220.18	221.33	1.15	SMI14000935	0.959	7703.7	0.9
HAT-023	2620142	221.33	222.66	1.33	SMI14000935	1.035	1558.7	0.4
HAT-023	2620143	222.66	224.39	1.73	SMI14000935	0.526	3969.7	0.3

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-023	2620144	224.39	225.51	1.12	SMI14000935	1.248	7961.5	0.7
HAT-023	2620145	225.51	226.68	1.17	SMI14000935	0.346	2147.5	0.3
HAT-023	2620146	226.68	228.52	1.84	SMI14000935	0.057	842	0.1
HAT-023	2620147	228.52	230.67	2.15	SMI14000935	0.047	502.3	<0.1
HAT-023	2620148	230.67	232.48	1.81	SMI14000935	0.081	391.3	<0.1
HAT-023	2620149	232.48	234.41	1.93	SMI14000935	0.03	279.3	<0.1
HAT-023	2620151	234.41	235.75	1.34	SMI14000935	0.057	725.2	<0.1
HAT-023	2620152	235.75	237.17	1.42	SMI14000935	0.093	1082.8	0.1
HAT-023	2620153	237.17	239.24	2.07	SMI14000935	0.152	1566.6	0.2
HAT-023	2620154	239.24	240.58	1.34	SMI14000935	0.022	312.1	<0.1
HAT-023	2620155	240.58	242	1.42	SMI14000935	0.03	370.3	<0.1
HAT-023	2620156	242	244.1	2.10	SMI14000935	0.027	182.9	<0.1
HAT-023	2620157	244.1	246.15	2.05	SMI14000935	0.157	1399.4	0.2
HAT-023	2620158	246.15	248.32	2.17	SMI14000935	0.047	738	0.1
HAT-023	2620159	248.32	250.55	2.23	SMI14000935	0.036	304.2	<0.1
HAT-023	2620160	250.55	252.65	2.10	SMI14000935	0.035	217.3	<0.1
HAT-023	2620161	252.65	254.82	2.17	SMI14000935	0.036	280.8	<0.1
HAT-023	2620162	254.82	256.51	1.69	SMI14000935	0.034	238.9	<0.1
HAT-023	2620163	256.51	258.12	1.61	SMI14000935	0.026	238.4	<0.1
HAT-023	2620164	258.12	259.8	1.68	SMI14000935	0.039	745.1	0.1
HAT-023	2620165	259.8	261.4	1.60	SMI14000935	0.021	181.7	<0.1
HAT-023	2620166	261.4	263	1.60	SMI14000935	0.018	199.5	<0.1
HAT-023	2620167	263	265	2.00	SMI14000935	0.035	523.9	<0.1
HAT-023	2620168	265	266.97	1.97	SMI14000935	0.18	1984.6	0.2
HAT-023	2620169	266.97	268.75	1.78	SMI14000935	0.039	680.4	<0.1
HAT-023	2620170	268.75	270.62	1.87	SMI14000935	0.059	787.6	0.1
HAT-023	2620171	270.62	271.92	1.30	SMI14000935	0.115	1394.8	0.1
HAT-023	2620172	271.92	273.56	1.64	SMI14000935	0.365	6699	0.4
HAT-023	2620173	273.56	275.78	2.22	SMI14000935	0.583	6718.2	0.4
HAT-023	2620174	275.78	276.75	0.97	SMI14000935	0.419	8956.5	0.5
HAT-023	2620176	276.75	277.82	1.07	SMI14000935	0.904	15500	1.2
HAT-023	2620177	277.82	278.7	0.88	SMI14000935	1.048	4220.1	0.3
HAT-023	2620178	278.7	279.84	1.14	SMI14000935	0.156	1759.3	0.2
HAT-023	2620179	279.84	280.79	0.95	SMI14000935	0.549	8518.2	0.6
HAT-023	2620180	280.79	281.84	1.05	SMI14000935	0.615	14000	1.1
HAT-023	2620181	281.84	282.87	1.03	SMI14000935	0.759	9637.6	0.7
HAT-023	2620182	282.87	283.77	0.90	SMI14000935	0.642	11200	0.7
HAT-023	2620183	283.77	284.67	0.90	SMI14000935	1.053	14500	1.1
HAT-023	2620184	284.67	286.43	1.76	SMI14000935	0.245	4093.3	0.2
HAT-023	2620185	286.43	288.37	1.94	SMI14000935	0.319	6736.1	0.5

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-023	2620186	288.37	290	1.63	SMI14000935	0.226	4591.7	0.4
HAT-023	2620187	290	291.47	1.47	SMI14000935	0.156	2588	0.2
HAT-023	2620188	291.47	292.64	1.17	SMI14000935	0.09	1627.8	0.2
HAT-023	2620189	292.64	293.83	1.19	SMI14000935	0.036	578.7	<0.1
HAT-023	2620190	293.83	295.5	1.67	SMI14000935	0.117	2125	0.2
HAT-023	2620191	295.5	297.06	1.56	SMI14000935	0.142	2597.4	0.2
HAT-023	2620192	297.06	299	1.94	SMI14000935	0.15	2210.6	0.2
HAT-023	2620193	299	300.5	1.50	SMI14000935	0.135	1724.8	0.2
HAT-023	2620194	300.5	302	1.50	SMI14000935	0.19	2754.1	0.2
HAT-023	2620195	302	303.33	1.33	SMI14000935	0.179	2279.6	0.2
HAT-023	2620196	303.33	304.72	1.39	SMI14000935	0.794	8229.5	0.6
HAT-023	2620197	304.72	306.21	1.49	SMI14000935	0.523	7351.5	0.5
HAT-023	2620198	306.21	307.28	1.07	SMI14000935	1.164	15700	1
HAT-023	2620199	307.28	308.38	1.10	SMI14000935	0.611	10500	0.6
HAT-023	2620201	308.38	310	1.62	SMI14000935	0.374	5023.5	0.3
HAT-023	2620202	310	311.26	1.26	SMI14000935	0.655	6963.8	0.3
HAT-023	2620203	311.26	313	1.74	SMI14000935	1.007	11500	0.7
HAT-023	2620204	313	314.7	1.70	SMI14000935	0.443	6132.5	0.4
HAT-023	2620205	314.7	315.58	0.88	SMI14000935	0.292	5851.3	0.5
HAT-023	2620206	315.58	317	1.42	SMI14000935	0.705	13400	0.9
HAT-023	2620207	317	318.19	1.19	SMI14000935	0.284	4396.4	0.4
HAT-023	2620208	318.19	320	1.81	SMI14000935	0.206	2945.4	0.3
HAT-023	2620209	320	321.73	1.73	SMI14000935	0.513	6765.6	0.7
HAT-023	2620210	321.73	323.59	1.86	SMI14000935	0.615	9457.9	0.8
HAT-023	2620211	323.59	325.09	1.50	SMI14000935	0.276	3978.3	0.4
HAT-023	2620212	325.09	326.7	1.61	SMI14000935	0.186	3067.6	0.2
HAT-023	2620213	326.7	328.25	1.55	SMI14000935	0.37	5690.8	0.4
HAT-023	2620214	328.25	329.64	1.39	SMI14000935	0.128	2348.5	0.1
HAT-023	2620215	329.64	331.37	1.73	SMI14000935	0.214	3556.6	0.2
HAT-023	2620216	331.37	332.82	1.45	SMI14000935	0.716	9608.5	0.5
HAT-023	2620218	332.82	334.15	1.33	SMI14000935	0.854	15500	0.8
HAT-023	2620219	334.15	335.88	1.73	SMI14000935	0.902	15100	0.8
HAT-023	2620220	335.88	336.8	0.92	SMI14000935	0.222	4505.3	0.3
HAT-023	2620221	336.8	338.16	1.36	SMI14000935	0.229	1927.1	0.2
HAT-023	2620222	338.16	339.86	1.70	SMI14000935	0.317	2902.4	0.3
HAT-023	2620223	339.86	341.06	1.20	SMI14000935	0.093	1531.1	0.2
HAT-023	2620224	341.06	343	1.94	SMI14000935	0.415	5913.4	0.4
HAT-023	2620226	343	344.42	1.42	SMI14000935	0.286	3456.1	0.3
HAT-023	2620227	344.42	346.15	1.73	SMI14000935	1.865	5497.4	0.6
HAT-023	2620228	346.15	347.52	1.37	SMI14000935	0.132	1498.6	0.1

HOLE_ID	SAMPLE	FROM	TO	Interval (m)	CERT_NO	AU_ppm	CU_ppm	AG_ppm
HAT-023	2620229	347.52	349.05	1.53	SMI14000935	0.163	1425	<0.1
HAT-023	2620230	349.05	350.69	1.64	SMI14000935	0.146	1853	0.2
HAT-023	2620231	350.69	352.44	1.75	SMI14000935	0.126	1125.2	<0.1
HAT-023	2620232	352.44	353.74	1.30	SMI14000935	0.053	744.9	<0.1
HAT-023	2620233	353.74	354.82	1.08	SMI14000935	0.047	711.1	<0.1
HAT-023	2620234	354.82	356.27	1.45	SMI14000935	0.541	4722.9	0.7
HAT-023	2620235	356.27	357.83	1.56	SMI14000935	0.082	673.3	<0.1
HAT-023	2620236	357.83	359.24	1.41	SMI14000935	0.279	3003.4	0.2
HAT-023	2620237	359.24	360.9	1.66	SMI14000935	0.053	700.5	<0.1
HAT-023	2620238	360.9	362.24	1.34	SMI14000935	0.028	309.2	<0.1
HAT-023	2620239	362.24	364.12	1.88	SMI14000935	0.151	1501.9	0.2
HAT-023	2620240	364.12	365.7	1.58	SMI14000935	0.068	770.5	<0.1
HAT-023	2620241	365.7	367.3	1.60	SMI14000935	0.106	1416.3	0.1
HAT-023	2620242	367.3	368.89	1.59	SMI14000935	0.773	10400	0.9
HAT-023	2620243	368.89	370.9	2.01	SMI14000935	0.031	610.6	<0.1
HAT-023	2620244	370.9	372.35	1.45	SMI14000935	0.089	1144.4	<0.1
HAT-023	2620245	372.35	373.55	1.20	SMI14000935	0.073	532.6	0.1
HAT-023	2620246	373.55	375.05	1.50	SMI14000935	0.062	919.7	<0.1
HAT-023	2620247	375.05	376.84	1.79	SMI14000935	0.075	868.4	<0.1
HAT-023	2620248	376.84	378.38	1.54	SMI14000935	0.039	532.6	<0.1
HAT-023	2620249	378.38	380	1.62	SMI14000935	0.167	335.8	<0.1
HAT-023	2620251	380	381.55	1.55	SMI14000935	0.205	737.2	0.1
HAT-023	2620252	381.55	383.05	1.50	SMI14000935	0.033	508.1	<0.1
HAT-023	2620253	383.05	384.56	1.51	SMI14000935	0.03	399.1	<0.1
HAT-023	2620254	384.56	386	1.44	SMI14000935	0.07	381.8	<0.1
HAT-023	2620255	386	387.77	1.77	SMI14000935	0.045	170.9	<0.1
HAT-023	2620256	387.77	389.56	1.79	SMI14000935	0.026	334.7	<0.1
HAT-023	2620257	389.56	391	1.44	SMI14000935	0.042	378.8	<0.1
HAT-023	2620258	391	392.49	1.49	SMI14000935	0.061	222.6	<0.1
HAT-023	2620259	392.49	393.96	1.47	SMI14000935	0.072	395.4	<0.1
HAT-023	2620260	393.96	395.53	1.57	SMI14000935	0.017	289.4	<0.1
HAT-023	2620261	395.53	397.4	1.87	SMI14000935	0.031	298.2	<0.1
HAT-023	2620262	397.4	398.5	1.10	SMI14000935	0.022	420.9	<0.1
HAT-023	2620263	398.5	400.27	1.77	SMI14000935	0.364	2181.8	0.3

Appendix 3a

Drill Logs

Hole:	H011	**Dip:**	-55°	**Eastings:** 347852
Depth:	463.3m	**Azimuth:**	185°	**Northings:** 6454300
Geologist:	Erik Ostensoe	**Elevation:**	993.8m	
Drill Hole	**From (m)**	**To (m)**	**Lithology**	**Discription**
H011	0	5	OVB	
H011	5	85.64	Andesite	10 - traces of sulphies, 20m 1-3% sulphide; 33.2-39.5m cpy vein, 0.6% Cu; 53.9-54.3m red/orange alteration up to 5%. 53.5m massive py; 58m red alt'n; 75m shear; 80m minor epy with "granitic" texture
H011	85.64	104.74	Tuff	mosiac type tuff; 95m - cpy, magnetite, py, minor k-alteration; 102.16-102.26m massive epidote
H011	104.74	118	Mudstone	
H011	118	125.6	Fault	sheared, possible fault zone
H011	125.6	133.12	Gabbro	130m - k-alt, trace of py
H011	133.15	151.48	Tuff	ash Tuff, "mosaic" tuff; 140m orange tinged k-alt.; 147-149m v. Crushed mylonite
H011	151.48	158.28	Gabbro	
H011	158.28	161.2	Tuff	very fine grained tuff; 158.28m - epidote 2%; 160m shear
H011	161.2	167	Andesite	
H011	167	167.9	Fault	
H011	167.9	169.5	Tuff	168m - red alteration, magnetite band, trace of epidote
H011	169.5	210	Gabbro	180-185m, 190-200m and 204-207m shearing
H011	210	211.92	Tuff	
H011	211.92	239.87	Gabbro	mylonitized Gabbro, 225m shear, altered gabbro, cpy
H011	239.87	273.39	Tuff	245m - py; 262m - red alt'n + green, magnetite, py, cpy; 169.5-210m - magnetite, pinkish alteration, crystaline py
H011	273.39	308.2	Gabbro	275m - red alt'n, magnetite ++, cpy, py; 280m - epi?, 2cm cpy at 30° to core axis, tr. Sulphide; 292m - cpy + epi, magnetite at 45° to core axis, red alt'n; 298m - epi, chl. Gabbro; 302-310m - magnetite + cpy at 70° to core axis
H011	308.2	314	Tuff	Tuff, mosaik Tuff
H011	314	330	Syenite	317m - cpy, py; 318 - 324m Sheslay Red stock + cpy; 319m - banding 40° to CA; 320m 330m py, cpy
H011	330	354	Diorite	Coarse grained; py, cpy; 352m - Sheslay Red Stock;
H011	354	390	Syenite	
H011	390	400	Gabbro	
H011	400	463.3 (EOH)	Diorite	435m - magnetite; 440m - py, cpy
Hole:	**H012**	**Dip:**	**-65°**	**Eastings: 347852**
Depth:	**548.0m**	**Azimuth:**	**176°**	**Northings: 6454300**
Geologist:	**John Buckle**	**Elevation:**	**993.8m**	
Hole	**From**	**To**	**Lithology**	**Description**
H012	0	6.15	Tuff	casing
H012	8	12	Tuff	Black mafic fine grained diorite tuff, w plagioclase, calcite stockwork

Hole	From	To	Lithology	Description
H012	12	14	Tuff	Black mafic fine grained diorite tuff, w plagioclase, calcite stockwork, Chloritized diorite
H012	14	16	Tuff	Black mafic fine grained diorite tuff, w plagioclase, calcite stockwork
H012	16	26	Tuff	calcite stringers
H012	26	28	Tuff	py blebs 10% py
H012	28	30	Lapilli Tuff	diorite lappilli tuff
H012	30	32	Lapilli Tuff	alt. rind on pyroxene + other mafic minerals, plag.
H012	32	34	Lapilli Tuff	diorite lappilli tuff, some epidote,
H012	34	36	Lapilli Tuff	diorite tuff with some cpy, py 3%, qtz. Carb. Epidote
H012	36	38	Lapilli Tuff	med. Gr. Diorite tuff, calc. stringers
H012	38	40	Lapilli Tuff	clay alt. (gouge), diorite clasts
H012	40	42	Lapilli Tuff	qtz. Car. Veinlets, med. Gr. Mafic (diorite) tuff, no alt.
H012	42	44	Lapilli Tuff	fine dis. Py., tuff becoming coarser gr.
H012	44	46	Lapilli Tuff	Clast supported tuff w ortho. Pyrox., calc. occassional ortho. Clasts.
H012	46	50	Lapilli Tuff	fine to med. Diorite tuff, dis. Py 1%
H012	50	52	Lapilli Tuff	pink calc.
H012	52	54	Lapilli Tuff	med.to coarse Gr. Diorite tuff, calc. stringers, + k-spar
H012	54	56	Lapilli Tuff	fine gr. Diorite tuff w dis. Py. 5%
H012	56	58	Tuff	fine gr. Diorite tuff w dis. Py. 5%
H012	58	60	Tuff	diorite tuff, calc. stringers
H012	60	62	Tuff	breccia, calc. + mag. Fill
H012	62	64	Lapilli Tuff	fine gr. Diorite tuff w dis. Py, calc. stringers
H012	64	66	Lapilli Tuff	broken core, chlorite common
H012	66	68	Lapilli Tuff	blebs of py in med. Gr. Mafic (diorite) tuff w cpy. Fine dis. Py in matrix
H012	68	70	Tuff	cpy. Py. In fine gr. Matrix
H012	70	72	Tuff	hem. In calc. stringer
H012	72	74	Andesite Tuff	porph. Clasts in adesite matrix
H012	74	78	Andesite Tuff	dis. Py
H012	78	80	Andesite Tuff	grey andesite/diorite tuff, pink calc. stringers
H012	80	82	Andesite Tuff	grey andesite/diorite tuff
H012	82	84	Andesite Tuff	grey andesite/diorite tuff, pink calc. stringers
H012	84	86	Andesite Tuff	grey andesite/diorite tuff w hem. Clasts
H012	86	88	Andesite Tuff	diorite tuff, occassional hem. Clasts, dis. Py
H012	88	90	Andesite Tuff	broken core
H012	90	92	Lapilli Tuff	brecciated diorite tuff with calc. Fill
H012	92	94	Lapilli Tuff	py increasing, fracture fill qtz-car
H012	94	98	Lapilli Tuff	brecciated diorite tuff with calc. Fill
H012	98	100	Lapilli Tuff	some epidote, broken core
H012	100	102	Lapilli Tuff	chloritized broken core diorite med. Gr. W epidote py
H012	102	104	Lapilli Tuff	med. To fine gr. Diorite
H012	104	106	Lapilli Tuff	broken core w chl
H012	106	108	Lapilli Tuff	diorite tuff broken core
H012	108	112	Lapilli Tuff	diorite tuff
H012	112	116	Tuff	fine gr. Diorite tuff
H012	116	118	Lapilli Tuff	diorite
H012	118	124	Lapilli Tuff	med. gr. Diorite
H012	120	122	Lapilli Tuff	med gr. Diorite

Hole	From	To	Lithology	Description
H012	124	126	Lapilli Tuff	diorite
H012	126	128	Tuff	getting finer gr.
H012	128	132	Lapilli Tuff	med. to coarse diorite
H012	132	134	Lapilli Tuff	broken core, med. Gr. Diorite tuff, dis. Py + cpy
H012	134	136	Lapilli Tuff	diorite with calcite stringers w epidote +cpy
H012	136	140	Lapilli Tuff	med. to coarse diorite
H012	140	142	Tuff	fine grained diorite with calcite stockwork
H012	142	144	Tuff	
H012	144	146	Lapilli Tuff	stringers py + cpy
H012	146	148	Lapilli Tuff	dis. Py + cpy In diorite
H012	148	152	Sheslay	red fracture fill, abundant py to 20%
H012	152	154	Sheslay	semi massive py
H012	154	156	Sheslay	py + cpy stringers
H012	156	158	Sheslay	broken core, calc. stringers
H012	158	160	Tuff	blk fine gr. W dis py
H012	160	162	Tuff	grading to fine grai qtz stringer @ 151, fine
H012	162	164	Sheslay	becoming coarser py stringer
H012	164	166	Sheslay	coarse gr. Sheslay, dis. Py
H012	166	168	Sheslay	some hem. Clasts, med. Gr. Tuff
H012	168	170	Tuff	fine grained diorite
H012	170	172	Sheslay	med. Gr. W dis. Py + cpy
H012	172	174	Lapilli Tuff	hem. magnetite In calc. stringer
H012	174	176	Lapilli Tuff	qtz. Car. Veinlets, med. Gr. Mafic (diorite) tuff, broken core
H012	176	178	Lapilli Tuff	med. Gr. Diorite tuff, dis. Py + cpy
H012	178	180	Lapilli Tuff	broken core, med. Gr. Diorite tuff, dis. Py + cpy
H012	180	182	Lapilli Tuff	mottled diorite tuff sulphide les + veinlets py cpy
H012	182	184	Lapilli Tuff	polymictic mafic tuff (diorite) dark grey w hem clasts, py + cpy
H012	184	186	Tuff	broken core, py in matrix of diorite tuff
H012	186	188	Tuff	diorite kspar @188 gauge clay chlorite, qtz car stringers
H012	188	190	Tuff	med. Gr. polymictic diorite tuff, qtz-car. py in matrix, cpy?
H012	190	192	Tuff	py bleb + dis. Py,
H012	192	193	Sheslay	k-spar in qtz car.
H012	193	194	Sheslay	k-spar in qtz car., broken core, cpy w chl. Med. Gr.
H012	194	196	Sheslay	broken core, cpy w chl.
H012	196	200	Sheslay	broken core, cpy w chl. Med. Gr.
H012	200	202	Tuff	broken core, cpy w chl. Med. Gr.
H012	202	204	Tuff	mixec py + cpy w qtz-car. Breccia
H012	204	206	Tuff	large clast 10 cm fine grain tuff, pink calc. clay gouge
H012	206	208	Tuff	broken core + ground core, cpy w chl. Med. Gr.
H012	208	210	Tuff	py blebs in veinlets 10%
H012	210	212	Tuff	py blebs
H012	212	214	Dior Tuff	diorite tuff, fine gr., cpy in stringers
H012	214	216	Dior Tuff	dis. Py + cpy
H012	216	218	Tuff	mafic fine gr. Tuff, plag. K-spar, 1-3% py, qtz-cal on fract. Surface. 218.67 veinlets and stockwork, k-spar, plag.

Hole	From	To	Lithology	Description
H012	218	222	Tuff	mafic fine gr. Tuff, plag. K-spar, 1-3% py, qtz-car. Epidote, magnetite, mottled w ortho. Chl.
H012	222	224	Sheslay	py + cpy 1m @ 30% Sheslay Red Stock
H012	224	226	Sheslay	dis. Py
H012	226	228	Sheslay	k-spar matrix fill, med. Gr. Tuff, broken core, cpy blebs 3%
H012	228	232	Sheslay	cpy. + py patches 10% cpy
H012	232	236	Sheslay	coarse gr. Sheslay, dis. Py
H012	236	238	Sheslay	dis. Py + cpy 0.2, med. Gr. K-spar clasts, py/cpy @ 240
H012	238	240	Sheslay	diorite tuff, dark green, calcite stringer + qtz-car veinlets, monomictic (pyrox. Hnbld. Plag. Sulphide <1% Epidote.
H012	240	242	Tuff	fine gr. W chl. Qtz-car, epidote
H012	242	244	Tuff	fine gr. w chl.
H012	244	246	Sheslay	equigranular specks of cpy, broken core,
H012	246	248	Sheslay	Sheslay stock dis. Cpy, epidote, py, mag. Epidote vein
H012	248	250	Sheslay	Sheslay stock dis. py, mag. Epidote vein
H012	250	252	Syenite	cpy. Qtz.-car in syenite,
H012	252	254	Syenite	broken core, cpy w chl. Med. Gr.
H012	254	256	Syenite	syenite k-spar, hrnld
H012	256	260	?	broken core, cpy w chl. Med. Gr.
H012	260	262	?	epidote
H012	262	264	Tuff	diorite tuff polymictic, calc. veinlets dis. Sulphide 5-10% in matrix, fine dis. Py + cpy
H012	266	268	Syenite	cpy blebs 7%, epidote vein
H012	268	270	Syenite	cpy blebs , epidote vein, k-spars
H012	270	274	Syenite	chl. + calc. stringers, epidote
H012	274	280	Syenite	syenite w cpy, chl. + calc
H012	280	286	Syenite	
H012	286	288	?	breccia 40 to core axis calcite, chlorite, andesite tuff w hem. Clasts, veinlets pink calcite,3-5% disseminated sulphide
H012	288	290	Sheslay	Sheslay stock dis. Cpy, epidote, py, mag. Epidote vein
H012	290	292	?	broken core, epidote, dis. Py.
H012	292	294	?	chl. Py patches, breccia
H012	294	296	?	mag. Hem clasts in medium gr. Diorite
H012	296	298	Sheslay	mottled breccia Sheslay stock w cpy
H012	298	299	Sheslay	semi massive cpy
H012	299	300	Sheslay	dis. Cpy coarse gr. W hem,
H012	300	302	?	dis. Cpy coarse gr. W hem,
H012	302	304	Lapilli Tuff	py patches in fine gr. Matrix w dis. Py,broken core
H012	304	306	Lapilli Tuff	med. Gr. Diorite
H012	306	308	Lapilli Tuff	breccia py scalc.
H012	308	310	Lapilli Tuff	hem clasts
H012	310	312	Tuff	polymictic mafic tuff (diorite) dark grey w hem clasts
H012	312	313	Tuff	
H012	313	314	?	cpy. W epidote, broken core
H012	314	315	Tuff	clasts to 1 cm sulphide 5%
H012			Tuff	becoming coarser, epidote stringer, hematite clasts, no sulph.

Hole	From	To	Lithology	Description
H012	315	316	Tuff	
H012	316	318	Lapilli Tuff	sulphide poor
H012	318	320	Lapilli Tuff	brecciated med. Gr. Diorite w dis. Cpy, chl.
H012	320	322	Tuff	med. Gr. Polymictic adesite tuff, qtz-car. Vein 20 to core axis
H012	322	324	Lapilli Tuff	med. Gr. Diorite w some py
H012	324	326	Lapilli Tuff	dis. Py
H012	326	328	Lapilli Tuff	med. Gr. Diorite breccia w calc.
H012	328	330	Lapilli Tuff	sulphides increasing 330-331 frequent patches py+cpy @330 1m
H012	330	332	Lapilli Tuff	chloritized broken core diorite med. Gr. W epidote py
H012	332	334	Lapilli Tuff	med. Gr. W epidote veinlets, py in fractures
H012	334	336	Tuff	heterolithic diorite breccia
H012	336	338	Lapilli Tuff	cpy in vienlets, dis. Py in matrix
H012	338	339	Lapilli Tuff	cpy increasing up to 30% @ 341
H012	339	340	Lapilli Tuff	breccia qtz-car. W mottled andesite porphyry,
H012	340	341	Sheslay	cpy increasing up to 20%, (Sheslay Red Stock) cpy in seams
H012	341	342	Sheslay	
H012	342	243	Sheslay	mottled diorite tuff w qtz-car, cpy in fractures
H012	243	344	Sheslay	cpy w epidote
H012	344	345	Sheslay	cpy in veinlets (Sheslay) qtz-car veins
H012	345	346	Sheslay	cpy in breccia filling, less sulphide cpy blebs
H012	346	347	Sheslay	cpy in breccia filling, less sulphide cpy blebs
H012	347	348	Sheslay	cpy blebs in breccia filling,
H012	348	350	Sheslay	less sulphide cpy blebs
H012	350	352	Sheslay	epitdote, k-spar
H012	352	356	Sheslay	broken core
H012	356	358	Sheslay	increasing dis. Cpy
H012	358	360	Sheslay	k-spar matrix fill, med. Gr. Tuff, Sheslay, py dis. In matrix,cpy
H012	360	362	?	breccia qtz-car. W epidote vein
H012	362	364	?	breccia w epidote fill
H012	364	366	Tuff	chloritized fine. Gr. Diorite w qtz-car fill
H012	366	368	Lapilli Tuff	epitdote w cpy qtz-car vein,
H012	368	370	Lapilli Tuff	fault gouge, epidote
H012	370	372	Lapilli Tuff	breccia w qtz-car, chl, broken core
H012	372	376	Lapilli Tuff	chl. W calc. epidote dis. Py
H012	376	378	Lapilli Tuff	broken core, chl. Some epidote
H012	378	380	Lapilli Tuff	chl. Some epidote + hematite
H012	380	384	Lapilli Tuff	chl. Epidote, broken core
H012	384	386	Lapilli Tuff	polymictic mafic tuff (diorite) w chl. + calc
H012	386	388	Lapilli Tuff	chl. broken core,
H012	388	390	Tuff	polymictic w hem. Clasts
H012	390	392	Sheslay	chl. broken core, k-spar
H012	392	394	Lapilli Tuff	chl. broken core, dis. Cpy
H012	394	396	Lapilli Tuff	cpy w epidote,
H012	396	398	Lapilli Tuff	chl. K-spar in diorite, dis. Py
H012	398	400	Lapilli Tuff	calc. vein
H012	400	404	Lapilli Tuff	chl. broken core,

Hole	From	To	Lithology	Description
H012	404	406	Lapilli Tuff	chl. broken core, w calc. stringers
H012	406	408	Lapilli Tuff	cpy vein w chl.
H012	408	410	Lapilli Tuff	blebs of cpy in med. Gr. Mafic (diorite) tuff
H012	410	412	Lapilli Tuff	dis. Cpy + py
H012	412	414	Lapilli Tuff	pink calc. chl. chl. Breccia, cpy chl. Blebs
H012	414	416	Syenite	diorite w few k-spar + epidote, syenite dis. Py
H012	416	418	Sheslay	chl. + hem. in fracture, dis. Cpy 1%
H012	418	420	Sheslay	coarser epidote cpy in vein
H012	420	422	Sheslay	epidote + cpy + chl. Sheslay?, broken core
H012	422	424	Lapilli Tuff	broken core w chl. + pink calc.
H012	424	426	Lapilli Tuff	
H012	426	428	Sheslay	broken core w chl. blebs of py
H012	428	430	Sheslay	
H012	430	432	Tuff	fine gr. Diorite breccia w pink calc.
H012	432	434	Syenite	broken core w chl. + cpy breccia pink calc.
H012	434	436	Syenite	diorite grading to syenite
H012	436	438	Syenite	syenite epidote qtz-car vein
H012	438	440	Syenite	epidote w calc. dis cpy
H012	440	442	Syenite	cpy + py veins
H012	442	444	Syenite	epidote w calc. dis cpy
H012	444	446	Syenite	mottled diorite tuff w qtz-car, k-spar, hem
H012	446	448	Lapilli Tuff	diorite w aligned plag. Xtals, dis. Cpy + chl. Calc.
H012	448	450	Lapilli Tuff	diorite tuff w hem clasts
H012	450	452	Lapilli Tuff	calc. vein, dis. Cpy stringers
H012	452	456	Lapilli Tuff	calc. vein
H012	456	458	Lapilli Tuff	broken core w chl
H012	458	460	Lapilli Tuff	diorite tuff w hem clasts
H012	460	462	Lapilli Tuff	cpy patches
H012	462	464	Lapilli Tuff	diorite chl. broken core w chl, py + cpy
H012	464	466	Lapilli Tuff	broken core w chl, py + cpy
H012	466	468	Sheslay	qtz-car veins k-spar common
H012	468	470	Lapilli Tuff	broken core w chl, py + mag
H012	470	472	Lapilli Tuff	diorite tuff mag.
H012	472	474	Sheslay	mottled w k-spar, broken core w chl,
H012	474	479	Lapilli Tuff	epidote cpy
H012	479	480	Lapilli Tuff	broken core w chl, py + cpy
H012	480	482	Lapilli Tuff	broken core w chl,
H012	482	484	Tuff	black diorite w chl. blebs of cpy
H012	484	490	Tuff	broken core w chl. blebs of py
H012	490	492	Tuff	broken core w chl. blebs of cpy
H012	492	494	Sheslay	dis. Cpy w epidote
H012	494	496	Sheslay	broken core to powder w k-spar + hem
H012	496	500	Tuff	broken core w epidote + cpy
H012	500	502	Sheslay	k-spar
H012	502	504	Tuff	broken core w chl. + dis py
H012	504	506	Sheslay	diorite w k-spar + epidote
H012	506	508	?	hem.
H012	508	510	?	broken core w epidote + py
H012	510	512	Sheslay	mag. Epidote Sheslay k-spar

Hole	From	To	Lithology	Description
H012	512	514	Sheslay	cpy vein
H012	514	516	Sheslay	k-spar Sheslay coarse diorite w chl. Epidote
H012	516	518	?	broken core w epidote + cpym + hem
H012	518	520	?	broken core w epidote + cpy + py
H012	520	522	?	broken core w epidote + py
H012	522	524	?	chl. W calc. vein, broken core
H012	524	526	?	sulphides
H012	526	528	Lapilli Tuff	broken core w chl
H012	528	530	Lapilli Tuff	broken core w epidote
H012	530	536	Lapilli Tuff	epidote qtz-car
H012	536	538	Lapilli Tuff	med. Gr. Diorite chl. Dis py
H012	538	540	Lapilli Tuff	med. Gr. diorite
H012	540	542	Lapilli Tuff	med. Gr. Diroite w pink calc.
H012	542	544	Tuff	fine gr. Diorite.
H012	544	546	Tuff	black fine gr. Diorite
H012	546	548	Tuff	end of hole
Hole:	**H013**	**Dip:**	**-80°**	**Eastings: 347700**
Depth:	**350m**	**Azimuth:**	**0°**	**Northings: 6454250**
Geologist:	**John Buckle**	**Elevation:**	**975.5m**	
Hole	**From**	**To**	**Lithology**	**Description**
H013	6	12	Lapilli Tuff	diorite tuff broken core, chlorite dis. Py; py veinlets
H013	12	14	Lapilli Tuff	grey diorite tuff w dis. Py
H013	14	16	Lapilli Tuff	cpy veinlets + patches
H013	16	18	Lapilli Tuff	calc. veinlet, dis cpy
H013	18	20	Lapilli Tuff	dis cpy +py
H013	20	22	Tuff	diorite tuff broken core, chlorite dis. Py; py veinlets
H013	22	26	Lapilli Tuff	grading to fine gr. W dis. Py.
H013	26	30	Lapilli Tuff	fine gr. Diorite
H013	30	32	Lapilli Tuff	fine gr. Diorite w dis cpy +py
H013	32	34	Lapilli Tuff	fine gr. Diorite
H013	34	38	Lapilli Tuff	py increasing, some cpy, mix fine to med. gr. Diorite tuff
H013	38	44	Lapilli Tuff	diorite tuff broken core, chlorite
H013	44	48	Lapilli Tuff	fine to med. gr. Diorite tuff dis. Py 1%
H013	48	52	Lapilli Tuff	syenite w calc. stringers + dis py
H013	52	54	Syenite	syenite w calc. stringers
H013	54	56	Lapilli Tuff	chl. Alt. diorite
H013	56	58	Lapilli Tuff	diorite tuff, chlorite dis. Py; calc. vienlets
H013	58	60	Lapilli Tuff	breccia, magnetite, calcite
H013	60	62	Lapilli Tuff	diorite some k-spar dis py < 1%
H013	62	64	Lapilli Tuff	chl fault gouge to coarse gr. Diorite w cpy
H013	64	66	Lapilli Tuff	breccia diorite w calc.
H013	66	68	Lapilli Tuff	breccia
H013	68	70	Lapilli Tuff	breccia w qtz-car
H013	70	72	Lapilli Tuff	diorite, chl. Calc.
H013	72	76	Lapilli Tuff	breccia diorite w calc.
H013	76	80	Lapilli Tuff	breccia diorite w calc.dis cpy +py
H013	80	82	Lapilli Tuff	med. gr. diorite tuff w dis cpy
H013	82	84	Lapilli Tuff	coarse gr. w dis. cpy

Hole	From	To	Lithology	Description
H013	84	86	Sheslay	med. gr. diorite tuff w epidote + dis cpy (Sheslay)
H013	86	88	Sheslay	chl. disseminated py
H013	88	90	Lapilli Tuff	broken core, coarse brecciated tuff w epid.
H013	90	92	Lapilli Tuff	tuff w calc. , broken core
H013	92	94	Lapilli Tuff	broken core
H013	94	98	Lapilli Tuff	
H013	98	100	Lapilli Tuff	broken core, breccia
H013	100	106	Lapilli Tuff	
H013	106	108	Lapilli Tuff	disseminated py + cpy
H013	108	110	Tuff	med grained tuff w
H013	110	112	Lapilli Tuff	disseminated py
H013	112	113	Tuff	fine gr. Diorite
H013	113	114	Tuff	
H013	114	116	Lapilli Tuff	med gr tuff
H013	116	118	Tuff	fine gr tuff
H013	118	120	Tuff	bleached (silicified?)
H013	120	122	Tuff	disseminated py + calc
H013	122	124	Tuff	blebs py cpy mix
H013	124	126	Lapilli Tuff	disseminated py 10%
H013	126	128	Tuff	fine gr tuff w dis py
H013	128	130	Dior Tuff	calc veins. Tuff
H013	130	132	Dior Tuff	lappilli tuff mixed clast size
H013	132	134	Dior Tuff	med gr tuff w py seams, mix cpy + cal stringers
H013	134	135	Dior Tuff	lappilli tuff mixed clast size
H013	135	136	Dior Tuff	disseminated py + cpy
H013	136	137	Dior Tuff	breccia tuff, calc
H013	137	138	Dior Tuff	lappilli tuff mixed clast size
H013	138	139	Tuff	fine gr tuff (bleached) silicified
H013	139	140	Tuff	broken core stockwork of fine cal veinlets w cpy
H013	140	141	Sheslay?	k-spar tuff, py +cpy, epid.
H013	141	142	Dior Tuff	lappilli tuff mixed clast size
H013	142	143	Sheslay	py seams + patches
H013	143	144	Sheslay	lappilli tuff mixed clast size
H013	144	145	Sheslay	cpy + py patches
H013	145	146	Dior Tuff	lappilli tuff mixed clast size
H013	146	147	Dior Tuff	diorite tuff
H013	147	148	Dior Tuff	lappilli tuff mixed clast size
H013	148	149	Dior Tuff	patches cpy + py
H013	149	150	Dior Tuff	lappilli tuff mixed clast size
H013	150	151	Tuff	diorite tuff
H013	151	152	Tuff	diorite tuff w pyrite blebs
H013	152	153	Tuff	diorite tuff
H013	153	154	Tuff	fine gr tuff w dis py
H013	154	156	Tuff	diorite tuff
H013	156	158	Tuff	fine grain diorite, calcite stockwork, disseminated py + cpy
H013	158	160	Lapilli Tuff	seams py
H013	160	162	Lapilli Tuff	blebs
H013	162	164	Tuff	fine grained tuff

Hole	From	To	Lithology	Description
H013	164	166	Lapilli Tuff	disseminated py w hem clasts
H013	166	168	Tuff	fine grained tuff
H013	168	170	breccia	tuff diorite, calcite stockwork, disseminated py + cpy
H013	170	172	Tuff	fine grain diorite
H013	172	178	Lapilli Tuff	med gr. Diorite
H013	178	180	Lapilli Tuff	coarse gr. Diorite calc. matrix, dis. Py
H013	180	182	Lapilli Tuff	hem clasts dis py + cpy
H013	182	184	Lapilli Tuff	med gr. Diorite tuff w hem clasts epid. Dis py +cpy
H013	184	186	Lapilli Tuff	diorite tuffm mag. Dis py
H013	186	190	Lapilli Tuff	diorite tuff
H013	190	192	Lapilli Tuff	broken core py patches
H013	192	194	Lapilli Tuff	dis py
H013	194	196	Lapilli Tuff	gradig to finer gr. Diorite tuff w qtz-car stringers
H013	196	198	Lapilli Tuff	broken core py patches
H013	198	200	Lapilli Tuff	dis. Py
H013	200	202	Lapilli Tuff	broken core py + cpy dis
H013	202	204	Lapilli Tuff	diorite tuff, dis. Py
H013	204	206	Lapilli Tuff	med. gr. diorite tuff, dis py + cpy
H013	206	208	Lapilli Tuff	patches py diorite tuff
H013	208	210	Lapilli Tuff	patches py In diorite tuff
H013	210	212	Lapilli Tuff	med to fine gr tuff w dis py
H013	212	214	Lapilli Tuff	fine gr tuff w dis py
H013	214	216	Tuff	fine gr. Tuff w dis cpy + calc.
H013	216	218	Tuff	tuff w , dis py + cpy
H013	218	220	Tuff	fine gr. Tuff w dis cpy + calc.
H013	220	222	Lapilli Tuff	broken core dis py + cpy diorite tuff
H013	222	226	Tuff	fine gr w calc
H013	226	228	Lapilli Tuff	broken core py patches
H013	228	230	Lapilli Tuff	dis py k-spar (Sheslay)broken core
H013	230	232	Lapilli Tuff	dis py + cpy
H013	232	234	Lapilli Tuff	red fine gr. Diorite
H013	234	236	Lapilli Tuff	dis py + cpy
H013	236	238	Sheslay	med gr. diorite tuff, mag. disseminated py + cpy
H013	238	240	Sheslay	med gr red diorite (Sheslay) tuff
H013	240	242	Sheslay	med gr diorite dis py + cpy tuff
H013	242	244	Sheslay	cpy w epidote in vein tuff
H013	244	246	Sheslay	dis py + cpy tuff
H013	246	248	Sheslay	breccia w calc fill
H013	248	250	Sheslay	Sheslay w cpy patches
H013	250	252	Lapilli Tuff	disseminated py + cpy
H013	252	254	Lapilli Tuff	broken core, disseminated py + cpy epidote
H013	254	256	Lapilli Tuff	breccia broken core py patches
H013	256	258	Lapilli Tuff	broken core py patches
H013	258	260	Lapilli Tuff	med gr diorite dis py + cpy
H013	260	262	Tuff	diorite tuff, fine gr. Cpy In stringers
H013	262	264	Lapilli Tuff	med. Gr. Diorite tuff w k-spar disseminated py + cpy
H013	264	266	Lapilli Tuff	broken core dis py p + cpy
H013	266	268	Lapilli Tuff	cpy blebs, fine gr. Diorite
H013	268	270	Lapilli Tuff	dis py + cpy w hem clasts

Hole	From	To	Lithology	Description
H013	270	272	Sheslay	Sheslay w dis cpy + py
H013	272	274	Sheslay	k_spar matrix fill in med. Gr. Tuff, broken core
H013	274	276	Sheslay	patches cpy
H013	276	278	Lapilli Tuff	diorite tuff, calcite + qtz-car stringers, mix disseminated py + cpy
H013	278	279	Lapilli Tuff	coarse gr. Sheslay w patches cpy + dis. py
H013	279	280	Lapilli Tuff	as above, disseminated py + cpy
H013	280	281	Lapilli Tuff	Sheslay w cpy patches
H013	281	282	Lapilli Tuff	py cpy Sheslay fie gr. W chl qtz. Car., epidote, tuff, no py
H013	282	283	Lapilli Tuff	as above, disseminated py + cpy
H013	283	284	Tuff	fine gr. Diorite w calc. broke core,disseminated py + cpy
H013	284	285	Lapilli Tuff	equigranular diorite tuff w fleck of cpy, breccia
H013	285	286	Sheslay	Sheslay stock intrusive (syenite?) w k_spar
H013	286	287	Lapilli Tuff	broken core, chl disseminated py + cpy
H013	287	290	Lapilli Tuff	broken core, disseminated py + cpy
H013	290	292	Lapilli Tuff	broken core, chl
H013	292	294	Lapilli Tuff	" disseminated py + cpy
H013	294	296	Sheslay	Sheslay dis py + cpy chl alt fine gr fractured
H013	296	298	Tuff	chl alt fine gr.
H013	298	300	Lapilli Tuff	med gr diorite dis py + cpy
H013	300	304	Lapilli Tuff	cpy bles 7%, epidote vein, calc. k_spar, breccia
H013	304	308	Lapilli Tuff	epidote calc. stringer, chl. disseminated py + cpy
H013	308	310	Lapilli Tuff	cpy. Chl, calc. Sheslay stock
H013	310	312	Lapilli Tuff	med. gr. W chl. Qtz-car veis, calc. epidote, disseminated py + cpy
H013	312	318	Lapilli Tuff	broken core, chl
H013	318	330	Lapilli Tuff	disseminated py + cpy
H013	330	332	Lapilli Tuff	chl epidote w fine gr mag
H013	332	334	Lapilli Tuff	chl epidote fine gr w mag
H013	334	336	Lapilli Tuff	chl epidote fine gr w hmag
H013	336	350	Lapilli Tuff	broken core, chl
H013	EOH	350		
Hole:	**H014**	**Dip:**	**-45°**	**Eastings: 345770**
Depth:	**336.8m**	**Azimuth:**	**180°**	**Northings: 6454890**
Geologist:	**John Buckle**	**Elevation:**	**1057m**	
Hole	**From**	**To**	**Lithology**	**Description**
H014	2	4	Lapilli Tuff	diorite w rare epidote
H014	4	6	Lapilli Tuff	med. gr. Diorite w some calc.
H014	6	8	Lapilli Tuff	diorite tuff broken core, chlorite dis. Py; py veinlets
H014	8	14	Lapilli Tuff	diorite
H014	14	16	Lapilli Tuff	diorite, chlorite w dis. Py; py veinlets
H014	16	18	Lapilli Tuff	diorite, chlorite dis. Py; py on fracture surfaces
H014	18	20	Lapilli Tuff	k-spar in diorite
H014	20	22	Syenite	syenite w dis. Py; py veinlets grading to diorite
H014	22	24	Syenite	
H014	24	26	?	fine gr. diorite w k-spar
H014	26	28	?	
H014	28	30	Lapilli Tuff	diorite w k-spar

Hole	From	To	Lithology	Description
H014	30	32	Sheslay	breccia Sheslay k-spar
H014	32	34	Syenite	syenite grading to med. Gr. diorite
H014	34	36	Lapilli Tuff	diorite med. Gr.
H014	36	38	Lapilli Tuff	py + cpy in fractures
H014	38	40	Lapilli Tuff	diorite w calc. veins py in fractures
H014	40	42	Lapilli Tuff	dis py
H014	42	44	Lapilli Tuff	diorite w dis py + cpy
H014	44	46	Lapilli Tuff	seams of sulphides py + cpy
H014	46	48	Lapilli Tuff	diorite w dis py + cpy
H014	48	50	Lapilli Tuff	med. gr. Diorite w some calc.
H014	50	52	Lapilli Tuff	dis py < 1%
H014	52	54	Lapilli Tuff	med. gr. Diorite w calc. finely dis. Py + cpy
H014	54	56	Tuff	fine gr. diorite w k-spar, salmon calc. breccia, mag.
H014	56	58	Tuff	fine gr. diorite w k-spar, salmon calc. breccia, mag.
H014	58	60	Tuff	med. gr. diorite w calc. broken, mag. Dis py in fractures
H014	60	62	Tuff	fine gr. Diorite
H014	62	64	Lapilli Tuff	syenite w dis. Py in fractures
H014	64	66	Lapilli Tuff	med gr. Diorite
H014	66	68	Lapilli Tuff	med to fine diorite w calc.
H014	68	70	Tuff	fine diorite w dis py
H014	70	72	Lapilli Tuff	breccia, mag.. Broken core w dis py
H014	72	74	Lapilli Tuff	diorite breccia,
H014	74	76	Lapilli Tuff	calc. vein 1 m wide
H014	76	78	Lapilli Tuff	breccia w k-spar + calc. + fault gouge in diorite
H014	78	80	Lapilli Tuff	diorite some syenite alt. calc.?
H014	80	82	Lapilli Tuff	fine grained breccia, mag.. w dis py stringer
H014	82	84	Lapilli Tuff	breccia, coarse diorite calc
H014	84	86	Lapilli Tuff	coarse diorite chl. Dis py
H014	86	88	Lapilli Tuff	epidote chl. @ 88 heavy sulph. Py + cpy
H014	88	90	Lapilli Tuff	breccia, mag. + k-spar. w dis py . Blebs cpy
H014	90	92	Tuff	fine gr. Diorite, dis. Py
H014	92	94	Lapilli Tuff	chl. Epidote altered diorite w dis py
H014	94	96	Lapilli Tuff	med. Diorite dis. Py. Chl. W salmon calc.
H014	96	98	Tuff	fine gr. Diorite varying to coarse gr. @ 98 dis. Py
H014	98	100	Lapilli Tuff	coarse diorite chl. Dis py vein mag. Epidote @ 99 w 20% py
H014	100	102	Lapilli Tuff	coarse diorite chl. Dis py
H014	102	104	Tuff	fine gr dis py w patch cpy
H014	104	106	Lapilli Tuff	coarse diorite w calc +epid dis py in fractures
H014	106	108	Lapilli Tuff	Broken core syenite w dis py, chl
H014	108	110	Lapilli Tuff	fine gr. Diorite, chl. Vein, dis py
H014	110	112	Lapilli Tuff	coarse gr. Diorite w k-spar
H014	112	114	Sheslay	coarse gr. Diorite w k-spar
H014	114	116	Lapilli Tuff	coarse gr. Diorite dis py
H014	116	120	Tuff	fine gr. Diorite, chl. Vein, dis py
H014	120	122	Lapilli Tuff	diorite w epidote
H014	122	128	Lapilli Tuff	diorite tuff dis py
H014	128	130	Tuff	fine gr. Diorite w dis py + cpy
H014	130	132	Tuff	fine gr. Diorite w epidote

Hole	From	To	Lithology	Description
H014	132	134	Tuff	breccia, mag. fine gr chl w k-spar
H014	134	136	Lapilli Tuff	coarse gr. Diorite w fine dis py
H014	136	138	Lapilli Tuff	fine gr. Diorite
H014	138	140	Lapilli Tuff	coarse diorite w k-spar
H014	140	142	Lapilli Tuff	coarse diorite w epidote
H014	142	144	Lapilli Tuff	coarse diorite w dis py
H014	144	146	Lapilli Tuff	Broken core w chl
H014	146	152	Lapilli Tuff	very coarse diorite tuff
H014	152	156	Tuff	fine gr. Sediment?
H014	156	160	Lapilli Tuff	very coarse diorite tuff
H014	160	162	Lapilli Tuff	very coarse diorite tuff @ 160 cpy w mag
H014	162	164	Lapilli Tuff	diorite with pink calcite vein
H014	164	166	Lapilli Tuff	coarse diorite w pink calc. w mag
H014	166	168	Lapilli Tuff	coarse diorite
H014	168	170	Lapilli Tuff	coarse diorite w epidote mag vein + pink calc, dyke?
H014	170	172	Lapilli Tuff	coarse diorite mag, epidote
H014	172	174	Lapilli Tuff	dis py, epid. Mag vein, breccia, Broken core w dis py
H014	174	176	Lapilli Tuff	cpy w mag + py vein
H014	176	178	Lapilli Tuff	some cpy patches in coarse diorite
H014	178	180	Lapilli Tuff	epidote w chl +mag
H014	180	182	Lapilli Tuff	epidote chl. + mag
H014	182	184	Lapilli Tuff	hem clasts, dis py in fine gr. Diorite tuff
H014	184	186	Lapilli Tuff	mag epidote + cpy
H014	186	188	Lapilli Tuff	fine gr. Patches + vein py fine gr. Dyke? < .5 m
H014	188	192	Tuff	fine gr. W clasts breccia,
H014	192	194	Lapilli Tuff	diorite w dis py + cpy w epid.
H014	194	196	Lapilli Tuff	cpy w epid + mag + py
H014	196	198	Lapilli Tuff	cpy w epidote in coarse diorite
H014	198	200	Lapilli Tuff	mag vein w cpy
H014	200	202	Lapilli Tuff	breccia, mag.. Broken core w dis py
H014	202	204	Lapilli Tuff	Broken core w dis py
H014	204	206	Lapilli Tuff	med gr. Diorite tuff
H014	206	208	Lapilli Tuff	Broken core w dis py
H014	208	212	Lapilli Tuff	dis py in med gr. Diorite tuff
H014	212	214	Lapilli Tuff	epid. In med gr. Diorite tuff w dis py + cpy
H014	214	216	Lapilli Tuff	breccia, mag.. Broken core w dis py
H014	216	218	Lapilli Tuff	fine to med gr. Tuff large clasts up to 5 cm
H014	218	220	Lapilli Tuff	cpy vein
H014	220	222	Lapilli Tuff	large clast tuff > 2 cm in fine gr. Matrix
H014	222	224	Tuff	dyke?
H014	224	228	Tuff	fine gr. W dis py + cpy
H014	228	230	Tuff	fine gr. W dis py + cpy, + dyke?
H014	230	232	Tuff	fine gr. W dis py
H014	232	234	Lapilli Tuff	coarse gr.
H014	234	238	Lapilli Tuff	dis cpy
H014	238	240	Lapilli Tuff	epidote or serpentenized
H014	240	246	Lapilli Tuff	breccia, mag. Broken core w dis py
H014	246	248	Syenite	syenite
H014	248	250	Fracture	gouge

Hole	From	To	Lithology	Description
H014	250	252	Syenite	syenite (lapilli) tuff
H014	252	254	Syenite	crystal tuff syenite
H014	254	256	Syenite	diorite tuff
H014	256	262	Syenite	syenite tuff
H014	262	264	Sheslay	fine gr. Syenite tuff
H014	264	266	Sheslay	breccia, mag.. Broken core w dis py
H014	266	268	Tuff	fine gr. W mag + cpy patches
H014	268	270	Tuff	fine gr.
H014	270	272	Tuff	fine gr. W mag + cpy patches
H014	272	274	Lapilli Tuff	epidote w cpy
H014	274	276	Lapilli Tuff	fine gr. Tuff
H014	276	278	Lapilli Tuff	mag vein w cpy
H014	278	280	Lapilli Tuff	epidote in Broken core w dis py
H014	280	284	Lapilli Tuff	breccia, mag. Broken core w dis py
H014	284	286	Lapilli Tuff	fine gr tuff w chl +calc
H014	286	288	Lapilli Tuff	diorite to fine gr. Tuff debris flow
H014	288	292	Lapilli Tuff	heterolithic tuff w diorite
H014	292	302	Tuff	fine gr. Silt tuff
H014	302	304	Tuff	fine gr. W calc. vein, hem clasts
H014	304	306	Tuff	fine gr tuff epidote cpy
H014	306	308	Tuff	breccia, mag. Broken core w dis py
H014	308	310	Tuff	epidote dis py + cpy
H014	310	320	Tuff	fine gr. tuff
H014	320	322	Tuff	breccia, mag.. Broken core w dis py
H014	322	326	Lapilli Tuff	diorite tuff
H014	326	336.8	Lapilli Tuff	med gr. Diorite
H014	EOH	336.8		
Hole:	**H015**	**Dip:**	**-45°**	**Eastings: 346100**
Depth:	**208.79m**	**Azimuth:**	**0°**	**Northings: 6454310**
Geologist:	**John Buckle**	**Elevation:**	**1001.5m**	
Hole	**From**	**To**	**Lithology**	**Description**
H015	2.8	4	Lapilli Tuff	oxidized diorite tuff w py + cpy
H015	4	6	Lapilli Tuff	dis py, w chl + calc
H015	6	8	Lapilli Tuff	syenite w dis py, chl + calc
H015	8	10	Lapilli Tuff	chl + calc
H015	10	12	Lapilli Tuff	dis py, w chl + calc
H015	12	16	Lapilli Tuff	dis py, w chl + calc in diorite
H015	16	18	Lapilli Tuff	diorite w dis py on fractures calc stringers dis cpy k-spar, semi-massive @ 17.2
H015	18	20	Tuff	fine diorite + cpy, py on fractures
H015	20	22	Lapilli Tuff	dis py
H015	22	24	Lapilli Tuff	py + cpy seams
H015	24	26	Lapilli Tuff	dis py + cpy
H015	26	28	Lapilli Tuff	dis py + cpy epid. + realgar?
H015	28	30	Lapilli Tuff	dis py + cpy epid.
H015	30	32	Lapilli Tuff	diorite w dis py
H015	32	34	Lapilli Tuff	diorite w dis py on fractures
H015	34	36	Lapilli Tuff	py + cpy calc seams
H015	36	40	Lapilli Tuff	dis py diorite

Hole	From	To	Lithology	Description
H015	40	48	Lapilli Tuff	broken core fine gr. Diorite w calc + chl. +
H015	48	52	Tuff	fine gr. Diorite w calc + chl. +
H015	52	62	Syenite	fine gr. syenite
H015	62	64	Lapilli Tuff	broken core fine gr. Diorite w calc + chl. +
H015	64	66	Lapilli Tuff	broken core fine gr. Diorite w calc + chl. + patch cpy
H015	66	68	Syenite	syenite w dis py,
H015	68	70	Syenite	syenite w dis py + cpy
H015	70	78	Syenite	syenite w chl
H015	78	80	Syenite	fine gr diorite w calc + chl
H015	80	84	?	dis py w epidote
H015	84	86	Fault	fault gouge
H015	86	88	Tuff	fine gr. Diorite w calc + chl. +
H015	88	94	Lapilli Tuff	diorite w dis py
H015	94	96	Lapilli Tuff	diorite w dis py + specks of cpy
H015	96	102	Lapilli Tuff	diorite w dis py
H015	102	104	Lapilli Tuff	med gr diorite w k-spar clasts
H015	104	106	Lapilli Tuff	epidote +dis py + cpy
H015	106	108	Lapilli Tuff	med gr diorite w k-spar clasts + dis py
H015	108	110	Lapilli Tuff	med gr diorite w k-spar clasts
H015	110	112	Lapilli Tuff	fine gr diorite w calc + chl
H015	112	114	Lapilli Tuff	epidote +dis py + cpy
H015	114	116	Lapilli Tuff	dis py + cpy
H015	116	118	Lapilli Tuff	med gr dis py
H015	118	120	Tuff	fine gr w dis py
H015	120	122	Tuff	chl gouge fine gr
H015	122	124	Lapilli Tuff	dis py + cpy
H015	124	128	Lapilli Tuff	med gr diorite
H015	128	130	Syenite	diorite/syenite
H015	130	136	Lapilli Tuff	hem clasts dis py
H015	136	138	Lapilli Tuff	med gr mottled diorite tuff
H015	138	140	Lapilli Tuff	dis py + cpy
H015	140	142	Lapilli Tuff	coarse diorite w dis py + cpy
H015	142	144	Lapilli Tuff	coarse diorite w dis py + cpy + epidote
H015	144	148	Lapilli Tuff	coarse diorite
H015	148	150	Tuff	fine gr diorite w calc + chl
H015	150	152	Lapilli Tuff	epidote +dis py + cpy
H015	152	160	Lapilli Tuff	med gr diorite
H015	160	162	Lapilli Tuff	k-spar + cpy
H015	162	168	Lapilli Tuff	fine to med diorite cpy in stringers
H015	168	174	Lapilli Tuff	med gr epidote matrix w dis py + cpy
H015	174	178	Lapilli Tuff	broken core fine gr. Diorite w calc + chl. +
H015	178	180	Lapilli Tuff	med gr diorite tuff
H015	180	182	Lapilli Tuff	chl gouge fine gr
H015	182	206	Tuff	chl fine gr
H015	206	208	Tuff	chl fine gr + calc + epid
H015	208	208.79	Tuff	chl fine gr
H015	EOH	208.79		

Hole:	H016	Dip:	-60°	Eastings: 347620
Depth:	473.4m	Azimuth:	84°	Northings: 6454120
Geologist:	Erik Ostensoe	Elevation:	953m	
Hole	From	To	Lithology	Description
H016	0	26.5	OVB	non-recoverable
H016	26.5	28.4	Tuffacious Andesite	broken core, partial recovery, possible boulders – grey
H016	28.4	45.72	Tuffacious Andesite	weakly banded grey tuff with faint orange tint; rusty fractures, weakly sheared @ 20°^CA
H016	45.72	53	Tuffacious Andesite	greenish tuff with epidote, weak banding @ 60°^CA
H016	53	53.9	Tuffacious Andesite	weak magnetite, pyrite variable up to 1.5%;
H016	53.9	54.3	Tuffacious Andesite	tuff with orange alteration, pyrite up to 2%, magnetite about 2%, red alt'n up to 5%
H016	54.3	56.65	Tuffacious Andesite	v. f. gr. grey-green tuff – no alt'n, no sulphides
H016	56.65	72.5	Tuffacious Andesite	red alt'n with patchy magnetite, py and cpy - est. 0.2% Cu; green alt'n (ep? pumpellyite?) varies from whispy to solid and up to 30% over short (30 cm) sections, exceptionally 90%. Cpy present t/o. Strong py 67.25 to 67.50. Few narrow gouge-filled shears @ 30 - 40°^CA.
H016	72.5	73.65	Fault	mylonitic gouge, no sulphides
H016	73.65	85	Tuffacious Andesite	grey green tuff – solid, with "mosaic" text., occ'l streaks of pyrite @ 30°^CA, est. <0.1% Cu; chloritic gouge @ 45°^CA at 78.8; few calcite vlts @ 75 - 85°^CA
H016	85	95.2	Tuffacious Andesite	core is increasingly broken by shears with gouge, chloritized tuff; sub-//^CA up to 20°^CA; much core lost 88.5 to 89.5 (recovery est. 20 -30%); grey-orange tuff with "mosaic" texture
H016	95.2	99.5	Tuffacious Andesite	tuff is weakly chloritized, no evidence of movement
H016	99.5	104.2	Tuffacious Andesite	sulphides: 70% py/30% cpy – est. 0.15% Cu
H016	104.2	106.3	Tuffacious Andesite	orange-red alt'n with pyrite seams up to 4mm including small amounts cpy
H016	106.3	114.5	Tuffacious Andesite	
H016	114.5	115	Tuffacious Andesite	tuff, brownish, with dissem'd pyrite, cpy in gouge.
H016	115	117.58	Tuffacious Andesite	as above, but more solid core than before from dust-tuff layer to 117.58.
H016	117.58	120.6	Tuffacious Andesite	as above Tuff – f. gr. with large clasts, mudstone
H016	120.6	126.3	Tuffacious Andesite	dust tuff grading from <0.5mm to >1mm. Speckled appearance due to dissem of white flecks of fspr phenocrysts that comprise as much as 20% of core (poss. marker?). Apple-green coloured mineral on fractures and shears – pumpellyite?

Hole	From	To	Lithology	Description
H016	126.3	128.33	Tuffacious Andesite	dark green andesite (possibly coarse lapilli that have been squashed); tr. dissem'd py in v. small grains
H016	128.33	128.55	Tuffacious Andesite	band of massive crystalline py with v.f. gr. cpy in sooty black non-magnetic matrix; @ 55°^CA; 2 cm red alt'n
H016	128.55	133.1	Tuffacious Andesite	andesite with dark mafic xls to 5 mm dia. Rock is non-magnetic
H016	133.1	133.35	Tuffacious Andesite	red alt'n with py, cpy in sooty black matrix; non-magnetic
H016	133.35	136	Tuffacious Andesite	strong magnetite with weak red alt'n, fine gr'd cpy. Rock is v. dark and gabbroic – PBR prefers "meta-hornblendite"
H016	136	136.08	Gabbro	strong magnetite with weak red alt'n, fine gr'd cpy. Rock is v. dark and gabbroic – PBR prefers "meta-hornblendite"
H016	136.08	138.75	Gabbro	
H016	138.75	151	Gabbro	section of vuggy calcite veining, some voids, xl clusters; occ'l py layers @ 20°^CA
H016	151	156.75	Gabbro	narrow shear with strong green alt'n followed by strong red alt'n, minor sulphides; structures @70°^CA; some crushing at 155.1 to 156.75 @ 0 to 20°^CA, ext. 1.75% Cu
H016	156.75	158.7	Tuffacious Andesite	start of v. f. gr. brownish tuff to 158.7: lower contact is well defined at 70°^CA. [this may be a useable marker horizon]
H016	158.7	165.85	Tuffacious Andesite	return to andesitic tuff with some granitic (i.e. granular) textures; strong green alt'n, cpy and py. Cpy is filigreed in part, also in thin, 4 mm, bands @ 60°^CA; shearing 20°^CA with dark green chlorite, irregularly dissem'd cpy in bands. Cpy > py. Est >0.25% Cu. Red alt'n weak.
H016	165.85	170.25	Gabbro	band of v. f. gr. non-magnetic sooty black material with cyp + py + calcite @25°^CA
H016	170.25	170.45	Gabbro	red alt'n (adularia)
H016	170.45	177.45	Gabbro	grey rock with mafic phenocrysts, narrow orange alt'n, narrow (10 – 15 cm) sooty sections. Rock is distinctly magnetic. Cont. to 177.4 with 1 – 3% sulph's, py>>cpy
H016	177.45	178.88	Gabbro	v. heavy sulph's, py>cpy, strong green (pumpellyite) alt'n; negligible red alt'n. Est. 0.25% Cu
H016	178.88	180	Gabbro	v. strong red (adularia) alt'n; fract. @ 45°^CA
H016	180	182.48	Gabbro	increasing red alt'n down hole to 182.48, with py, ep (?), some cpy, sooty matrix. Fract'd 45 - 70°^CA w/o much consistency
H016	182.48	183.7	Gabbro	Mafic tuff much less altered, minor py, streaks of sooty
H016	183.7	187	Gabbro	extreme red alteration with seams of py, cpy. Brick red colour. Fol'n 50 - 60°^CA.
H016	187	188	Gabbro	much black sooty with gobby pyrite; cpy not obvious; sh'g @ 0 to 10°^CA
H016	188	189.36	Gabbro	as above but less sh'd; red alt'n continues. Cpy present – est. 0.25% Cu

Hole	From	To	Lithology	Description
H016	189.36	198.22	Tuff	Possible dyke. Orange-brown "bed" – v. f. gr., numerous nar. shears 0 - 45°^CA w/ chloritic gouge, green vlts – logged as ep but likely pumpellyite. Cont. tiny white specks that are actually pale green sub-rounded feldspar (?) xls. Minor am'ts red hematite smeared on shears. Calcite vlts up to 0.5cm.
H016	198.22	204.26	Gabbro	return to crushed appearing andesite (aka "gabbro"). Contact @ 30°^CA. Vein qtz at 203.04
H016	204.26	204.35	Gabbro	Shears sub-// to CA.
H016	204.35	204.75	Gabbro	almost solid magnetite with py at contacts
H016	204.75	208.46	Gabbro	broken zone. V. sheared, calcareous, greenish clayey appearance, short sections of v. qtz and/or v.q. mixed with calcite. Sh'd 30 - 45°^CA.
H016	208.46	213.42	Andesite	dk green mafic andesite with occ'l patches of red alt'n, pyrite mixed with green alt'n
H016	213.42	216.8	Andesite	start of mixed zone with red-orange alt'n, dissem'd and patchy py, some cpy, in mafic andesite. Est. 0.3% Cu. Magnetite present in alt'n and with sulphides
H016	216.8	221.3	Tuff	ordinary medium-grey tuff with trace dissem'd sulph's. Weak shearing at 20°^CA
H016	221.3	227.6	Andesite	mafic and. w/ patches of orange-red alt'n
H016	227.6	235.6	Andesite	weak shear @65°^CA, transition to brown v.f. gr. xl tuff becoming coarser d/h to 229 by which point rock has become the "mosaic" text'd and patterned unit with grey matrix and white and orange crystals and frags <1mm dia. Cont. to 233 where mosaic texture is lost and return to plain brownish dust tuff unit to 235.60 m.
H016	235.6	242.5	Andesite	return to mafic-rich v. dk gabbroic mafic and. – some crystalline rock text's, including light col'd matrix. Str magnetic. Sulph's present but <0.1% Cu. Few fracs 1 – 2mm w/ ep + Cpy + py; also numerous calcite vlts
H016	242.5	246.75	Tuff	start of brown bed (dyke?) with reddish specks – pos. very tiny gas bubbles filled with a zeolite (?). A few black clasts up to 2cm long X 0.75cm wide
H016	246.75	254.25	Tuff	med – coarse-grained gabbroic tuff – all magnetic, parts strongly magnetic
H016	254.25	256.65	Tuff	contact with brownish v. f. gr bed/dyke. Includes 1 cm layer of py-cpy-epi at contact. Similar to previous with specks of zeolite(?) and py and tr. cpy.
H016	256.65	265.3	Tuff	gabbroic fmn with v. strong magnetite, esp. 258.3 – 258.6. Sub-granitic textures, brown/ black, num. qtz and cc vlts – many at 75°^CA
H016	265.3	268.22	Tuff	change to v. f. gr. brown dyke (?) to 268.22 – lower contact weakly sheared @ 60°^CA
H016	268.22	278.2	Andesite	dk green/black mafic and. w/ strong "granitic" text., few QV's, few calcite stringers, few bands ep-Q-py-cpy from 5mm to 3.5 cm; latter is at 275.25 and is @ 50°^CA

Hole	From	To	Lithology	Description
H016	278.2	281.4	Andesite	stronger “granitic” appearance – very mixed textures, includes layers of mt-py-cpy @ 50°^CA, some strong green alt’n (epi?) with calcite, sulphides, esp. 279.45 to 279.80 m. Alt’n continues to 279.6.
H016	281.4	281.55	Andesite	red alt’n with tr. cpy in 1 to 3mm bands 45°^CA
H016	281.55	283.5	Andesite	f. gr. augite (?) andesite
H016	283.5	284.6	Tuff	f. gr. tuff mixed with mafic porphyritic rock
H016	284.6	284.8	Tuff	v. v. f. gr. specks of cpy, whispy seams of cpy with red alt’n and green alt’n. Magnetic strength variable from moderate to strong. Est. 0.15% Cu
H016	284.8	291.2	Andesite	brown/red colour, numerous seams of py+cpy+ epi (?). Est. 0.2% Cu
H016	291.2	295.5	Andesite	short section of pale orange alteration mixed with whitish alt’n – a fluid phase? Est. 0.1% Cu, minor sh’g @ 30 - 40°^CA
H016	295.5	295.6	Andesite	specularite in fractures, vlt of epi? – py-cpy
H016	295.6	308.45	Andesite	
H016	308.45	332.25	Andesite	Mafic andesite – grayish - strong apple-green alt’n (pumpellyite??) forms 10 to 60% of rock to 310; cpy is mixed in, also py. Mt present in varying amounts but v. strong 322 – 323m
H016	332.25	332.45	Andesite	sh’g @ 75°^CA with chlorite
H016	332.45	334.5	Gabbro	pinkish alt'n of gabbroic andesite w/ incipient feldspath'n; matrix is light coloured; red alt’n is patchy with green, v. minor sulphides; occ’l v. coarse mafic phenocrysts up to 0.5 cm dia.
H016	334.5	335.1	Gabbro	solid magnetite
H016	335.1	352.5	Gabbro	pinkish alt'n of gabbroic andesite w/ incipient feldspath'n; matrix is light coloured; red alt’n is patchy with green, v. minor sulphides; occ’l v. coarse mafic phenocrysts up to 0.5 cm dia.
H016	352.5	354.7	Gabbro	v. strong (i.e. up to 30%) pumpellyite (?) green alt’n with v. f. gr. magnetite; irregularly foliated 45°^CA
H016	354.7	360.66	Gabbro	
H016	360.66	374	Tuff	f. g. brown tuff/dyke with orange coloured flecks. Random vlts of green alt’n. Grains up to 1 mm dia. Some sh’g @ 10°CA
H016	374	401.6	Gabbro	return to SKR as 332.25 – 360.66; at 380.4 sh’g @ 30°^CA with gouge, chlorite; at 382.3 – sh’g sub parallel to CA; mostly coarse gabbroic rock with pinkish tones; black and green chlorite on shears; some parts greasy/serpentinous
H016	401.6	401.8	Gabbro	coarse grained mafic porphyry with up to 50% magnetite, almost no sulphides
H016	401.8	407.8	Gabbro	increasingly strongly green alt’d with py + cpy; alt’n in bands up to 12 cm, mostly 1 – 3 cm
H016	407.8	412.5	Gabbro	calcite stkwk with sh’g @ 20°^CA
H016	412.5	414.1	Gabbro	Good cpy

Hole	From	To	Lithology	Description
H016	414.1	426.72	Gabbro	crushed appearance, slight pinkish colour, patchy green; possibly “autobrecciated” if that is possible, i.e. no apparent movement
H016	426.72	437.4	Gabbro	“Hoey”-type sheared mafic rock (gabbro) with hematite smeared on shear surfaces, strongly magnetic
H016	EOH	437.8		
Hole:	**H017**	**Dip:**	**-60°**	**Eastings: 347620**
Depth:	**481.58m**	**Azimuth:**	**96°**	**Northings: 6454120**
Geologist:	**Erik Ostensoe**	**Elevation:**	**955.9m**	
Hole	**From**	**To**	**Lithology**	**Description**
H017	0	41	OVB	overburden and unrecoverable rock
H017	41	44	Tuff	Diorite porphyry – pale green matrix with dark green equant to sub-rounded mafic grains up to 3 mm diameter. Rock has weak orange colour. Unable to determine if a true intrusive, a flow, or tuff unit
H017	44	45.75	Tuff	SKR - weak shearing @ 60°^CA. Epidote seams, mostly @ 70°^CA
H017	45.75	46	Tuff	calcite veining with strong epidote 70°^CA. Nil or trace sulphides
H017	46	51.3	Tuff	
H017	51.3	52	Tuff	epidote frac w/ cpy + py – trivial amount
H017	52	54.4	Tuff	weak shearing //CA to 10°^CA. Diorite is mostly very solid and blends into f. gr. tuff(?) or f. gr. dio. (incr'y green-blue)
H017	54.4	55.2	Tuff	start of coarser grained mafic porphyry with moderate SRS-type red alt’n and pyrite
H017	55.2	56.2	Tuff	v. little SRS alt’n
H017	56.2	56.35	Tuff	SRS alt’n with 1.5 cm cpy
H017	56.35	58.4	Tuff	return to f. gr. slightly orange shade on brown-green tuff
H017	58.4	58.55	Tuff	seam of coarse grained mafic tuff followed by tuff with slight variations in texture to 63 m includes tr. SRS, epidote, calcite, tr. py, nil cpy
H017	58.55	63	Tuff	as above; includes tr. SRS, epidote, calcite, tr. py, nil cpy
H017	63	64.55	Tuff	start of green and grey, v. f. gr. tuff – monotonous appearance with a few small splashes of weak red and green alt’n, sulphides generally present but in trace amounts, tr. calcite in vlts;
H017	64.55	64.75	Tuff	strong pyrite (est. 20%) in sooty black matrix, tr. cpy, tr. magnetite; banding 45°^CA
H017	64.75	72.5	Tuff	green and grey, v. f. gr. tuff – monotonous appearance with a few small splashes of weak red and green alt’n, sulphides generally present but in trace amounts, tr. calcite in vlts; red alt’n at 69.4
H017	72.5	72.75	Tuff	brown pyrite with cpy – sulphides comprise about 25% of rock; shearing 30°^CA with chlorite and calcite

Hole	From	To	Lithology	Description
H017	72.75	105.1	Tuff	green and grey, v. f. gr. tuff – monotonous appearance with a few small splashes of weak red and green alt'n, sulphides generally present but in trace amounts, tr. calcite in vlts;
H017	105.1	107.4	Tuff	crushed rock with minor amount of gouge and epidote (pumpellyite?), presumably negligible movement
H017	107.4	116.2	Tuff	green and grey, v. f. gr. tuff – monotonous appearance with a few small splashes of weak red and green alt'n, sulphides generally present but in trace amounts, tr. calcite in vlts;
H017	116.2	116.32	Tuff	12cm section with strong pyrite, red alt'n, tr. cpy. Most pyrite occurs in 2 cm seam sub//^CA
H017	116.32	120	Tuff	green and grey, v. f. gr. tuff – monotonous appearance with a few small splashes of weak red and green alt'n, sulphides generally present but in trace amounts, tr. calcite in vlts;
H017	120	130	Tuff	rock is sheared to chlorite 60°^CA
H017	130	131	Tuff	SKR crushed/sheared without displacement sub// to 15°CA
H017	131	135.8	Tuff	
H017	135.8	136.2	Tuff	pyrite with magnetite, minor cpy
H017	136.2	136.9	Tuff	
H017	136.9	143.3	Tuff	matrix is bleached making mafic (hornblende) grains more obvious
H017	143.3	143.75	Tuff	calcite veining //CA
H017	143.75	148	Tuff	
H017	148	148.6	Tuff	calcite veining //CA
H017	148.6	154.04	Tuff	
H017	154.04	154.14	Tuff	almost solid chalcopyrite in "vein" at 50°^CA, some red alt'n but not strong
H017	154.14	157.8	Tuff	
H017	157.8	158.7	Tuff	narrow section of coarse mafic grains – sub-rounded; banding vague at +/- 60°^CA
H017	158.7	165.3	Tuff	
H017	165.3	168	Tuff	red alt'n with weakly bleached tuff with prominent mafic grains up to 3mm dia
H017	168	174.35	Tuff	becoming incr'y dark to a mafic-rich tuff
H017	174.35	177.5	Tuff	epidote (?) and red alt'n, minor sulph's, mod. to strongly magnetic, variably altered (bleached), mafic gr. prominent, py in shears with and w/o red alt'n. Cpy present but minor. Fracturing varies from 0° to 45°^CA, with 45° dominant
H017	177.5	179.83	Tuff	
H017	179.83	186	Tuff-Fault	start of pulverized section with graphitic shear planes – both perpendicular to CA and at 45°^CA, much black and dk green chlorite. Tuff with mafic grains 2 – 3 mm diameter
H017	186	188	Fault	all fault gouge – chlorite and "mud", with shearing at all angles. Rock is crushed and bxx'd, with calcite vlts, tr. red alt'n, tr. epidote (?)

Hole	From	To	Lithology	Description
H017	188	191.7	Tuff-Fault	as above 179.83-186
H017	191.7	192.9	Fault	sheared 45°^CA with pyrite and epidote, magnetite present
H017	192.9	193.5	Fault	crushed, sheared with calcite
H017	193.5	194.98	Tuff-Fault	
H017	194.98	195.25	Fault	crushed, sheared with much black chlorite and gouge
H017	195.25	200.8	Tuff	solid core – tuff with amphibole (?) grains, grey, feldspathized (i.e. somewhat bleached); brecciated 198.75 – 199.70 with calcite filling
H017	200.8	201.2	Tuff	becomes finer gr, w/ whitish matrix in contrast to black mafics (1 to 2 mm diameter), sub-rounded – gives a vaguely granitic appearance/text., followed by grey-green colour and incr. Gr. size, tr. ep and cpy
H017	201.2	208.3	Tuff	
H017	208.3	208.8	Tuff	rock is 50% epidote (possibly pumpellyite)
H017	208.8	212	Tuff	
H017	212	223.05	Tuff	start of stronger bleaching/feldspath'n of tuff; rock is pinkish, somewhat brecc'd and the mafic grains appear to be slightly affected; foliation/shearing very weak but at 30°^CA. Core losses at 219.6 to 220.1, also 222.2 to 222.6.
H017	223.05	224.4	Tuff	Epidote present throughout, sh'g @ 0 to 10°^CA, includes 1 – 3% pyrite with cpy, red alt'n
H017	224.4	236.6	Tuff	tuff with red and green alt'n with 1 – 3% sulph's. Magnetic strength "medium". Tuff(?) (see below) with mafic grains (amphibole) continues. Magnetic. Very dark except where feldspath'd. Some calcareous vlts. Shearing, from 0 to 45°^CA but mostly 0 to 10°, is intense and creates a mylonitic appearance, especially 234 to 236.6
H017	236.6	240.79	Tuff	return to pale green/grey diorite with mafic grains to 3mm – dioritic text. of equal sized grains (mosaic effect) in and out. 239.6 – section with brecciated pale yellow serpentinous mineral – pumpellyite (?) – in mylonite matrix. Sh'g 5°^CA. Trace amounts py + cpy.
H017	240.79	246	Tuff	pale green-grey, fine grained with spotty sulph's, mafic grains (amphibole); becomes coarser grained, more pink/red altered, more pyritic to 246
H017	246	246.5	N/C	lost core
H017	246.5	252	Tuff	Tuff with sulphides dissem'd and vlts. Includes 250.5 to 250.69 rather spectacular half-core of pyrite-massive chalcopyrite and magnetite
H017	252	257.25	Tuff	dust tuff, v. f. gr., brown with irregular bands of sulphides, mostly pyrite. Rock has disseminated "specks" (1mm dia) – apparently gas bubbles (?) with zeolite (?) and pyrite filling. Rock shows fract'g and crushing effects, chloritic shear faces, mostly 10°^CA. Mag. pres, fairly strong
H017	257.25	259.35	Tuff	Amphibole tuff. Shearing // CA Some sooty parts
H017	259.35	265.35	Tuff	Transition to v.f. gr. dust tuff with orange "specks" (see above)

Hole	From	To	Lithology	Description
H017	265.35	268.8	Tuff	grey-green, fine to medium grained; massive without bedding or cleavage
H017	268.8	270.3	Tuff	sharply defined contact @ 45° - possibly bedding, into v.f.gr. tuff that grades back into fine to medium-grained tuff, minor amounts of red alt'n
H017	270.3	271.4	Tuff	brown with tiny white grains, no sulph's
H017	271.4	271.6	Tuff	coarser grained, up to 1 – 2 mm, with larger mafic grains. At 271.6 – bedded @ 85°^CA. Magnetite in bands, also pumpellyite, with tr. py, tr. cpy
H017	271.6	292	Tuff	black-green to orange colour, red alt'n present, cpy and pyrite – Cu<0.1%, mag.; shearing 70 - 90°^CA. Formerly elsewhere recorded as gabbroic tuff. Strong cpy from 285.2 – 286.5 – est. 0.8 to 1% Cu, with red and green alt'n
H017	292	292.45	Tuff	Crystal Tuff – with strong green alt'n, small am'ts cpy. Reddish/orange with small mafic grains and orange "spots" – see above – probable gas bubbles. Rock is dense and v. hard. Expect composition to be dacite category
H017	292.45	294.4	Tuff	
H017	294.4	295	Tuff	v. str. green alt'n – est. 40%, tr. py, tr. cpy
H017	295	306.6	Tuff	becomes slightly coarser; where very weakly sheared has serpentinous appearance, esp. 297 to 297.5
H017	306.6	307.85	Tuff	massive sulphide band comprising v. f. gr. pyrite + cpy, est. 3% Cu. Ref: sample #2620758. Incl. short intersections of red alt'n and mafic py
H017	307.85	310.85	Andesite	red alt'n and med-coarse gr. mafic andesite with minor py + cpy. Brick reddish. Green alt'n in narrow intercepts
H017	310.85	311.15	Fault	core is totally gravel-like fault gouge – possible relates to fault at 291 in H018
H017	311.15	322.1	Andesite	very broken reddish andesite – start of long section of f. - med. Gr. mafic crystal tuff (poss. intrusive). Grains +/- 1mm dia
H017	322.1	322.6	Andesite	sh'd //^CA with serpentinous gouge
H017	322.6	328	Andesite	
H017	328	329.35	Andesite	broken core, sh'd 20 - 30°^CA; tr. py, tr. cpy
H017	329.35	330.05	Andesite	
H017	330.5	347	Andesite	start of v. str. green alt'n with minor am'ts sulph's; red alt'n from 330.3 – in places strong. Cpy dissem. and in tiny vlts with red alt'n. Magnetism mod. strength t/o, occasionally strong. Includes 3 cm vein of cpy. Host rock is coarse mafic porphyritic andesite. From dk green to orange
H017	347	348	Andesite	brecciated finer grained andesite with pale blue-green matrix. Contact 80°^CA. Brecciated texture continues into brick red, muddy textured formation (?) with short crushed appearing sections of 0.3 m. Dominant sh'g 0 to 20°^CA

Hole	From	To	Lithology	Description
H017	348	356.2	Andesite	transition sec: bxx'd, orange unit, mixed red and green alt'n, sparce sulph's, more solid from 351. Lower section is extremely fine grained, porcellainous. Dacite?
H017	356.2	357.5	Andesite	contact @ 45°^CA – green alt'n has swirl-like pattern. Red alt'n strong from 357. Narrow (1 cm) layers sub-parallel to CA
H017	357.5	362.4	Andesite-Fault	zone that continues to 361.5. Rock is v. broken, pyritic, chloritic. Host rock: mafic andesite to dacite with 1 – 3% sulph's with py > cpy. Est. 0.2% Cu. Magnetite from mod. to strong. Green alt'n (ep and/or pumpellyite) accompanies sulph's. Mafic grains prominent to 3mm dia. Rock has "crushed" appearance. Section incl. narrow, probably trivial, faults with gouge and other rubble at 362, 362.2 – 362.4
H017	362.4	364.7	Andesite	
H017	364.7	365	Andesite	strongly broken rock with 3% py + cpy, py>cpy; banding 60°^CA. Magnetic t/o
H017	365	381	Andesite	
H017	381	392.5	Andesite	becomes much darker with v. coarse mafic grains (xls), weak pinkish feldsp. matrix. Cubic py up to 5% of rock. Sh'g sub-//^CA. Red alt'n strong from 383.5 to 389.4. Green alt'n present in 1cm bands. Mag. strong. Sulph's present in vlts, seams but cpy erratic. Banding rare at 20°^CA
H017	392.5	396.24	Andesite	becomes more dacitic – dense salmon-orange colour due to feldspath'n; interlay'd from 392.7 - 394.00 w/ hrbl andesite (aka gabbro?) in part coarse grained (3 mm dia). No sulphides. Sh'g 0 to 40°^CA
H017	396.24	398.9	Andesite	fine grained, light brown, str. Feldspath'd
H017	398.9	400.1	Andesite	coarse grained mafic-rich andesite formation with few narrow py vlts
H017	400.1	405.45	Andesite	sh'g @70°^CA. short sections exhibit crushed appearance
H017	405.45	406.6	Andesite	much green alt'n in hrbl andesite; sh'd 10°^CA, tr. py, tr. cpy, serpentine appear.
H017	406.6	415	Andesite	crushed text's. Pale green andesite to 421.4 then trans. to mixed crushed/ sheared andesite w/ dense sooty black bedded unit – undeciph'd – looks organic, variably magnetic, swirl patterns mostly @ 45° to 80°^CA, includes much green alt'n and whispy calcite. Cpy present in small am'ts as blebs to 1cm
H017	415	421.4	Andesite	
H017	421.4	430	Andesite	5 to 15% magnetite; andesite as above with some green alt'n and short int's with cpy, in places strong as at 440 to 440.35 where cpy fills breccias spaces in matrix of black, v. weakly magnetic sooty rock with massive to v. strong magnetite both above and below. Angular bxxa frags 0.5 to 1 cm dia. Fract'g and lay'g perpend. to CA; some sh'g @ 80°

Hole	From	To	Lithology	Description
H017	430	448	Andesite	
H017	448	481.58	Andesite	pale green calcareous andesite with dominant chloritization. Incr. py, slightly diminished magnetite. Red hematite present on shear faces. Numerous narrow (10 to 60 cm) zones of crush'g and sh'g. Rock is crowded, coarse grained, and amphibole and fdsp porphyritic. Many broken secs, including some with v. black, v. soft, carbon-like sooty secs; few if any sulphides, red hematite streaks and coatings. Mag. present t/o. Weakly frac'd @ 90°^CA
H017	EOH	481.58		
Hole:	**H018**	**Dip:**	**-60°**	**Eastings: 347951**
Depth:	**319.11m**	**Azimuth:**	**300°**	**Northings: 6454164**
Geologist:	**Erik Ostensoe**	**Elevation:**	**985m**	
Hole	**From**	**To**	**Lithology**	**Description**
H018	0	6.1	OVB	overburden/casing
H018	6.1	31.2	Lapilli Tuff	Stuhini formation; broken, oxidized core, reddish limonite. Rock is grey, minor variations, trace py, tr. tr. cpy. Red alt'n 21 – 21.8m then less. Rare bedding@45^CA.
H018	31.2	42.07	Lapilli Tuff	Andesite w/ coarse amphibole (?) xls; banding 60^CA; sulph's and orange type alt'n follow bedding; orange is bxxd with calcite vlts; matrix is grey. Amphibole grains diminish in size and cont. to 40.5. Py in vlts that follow fracs
H018	42.07	42.67	Lapilli Tuff	massive cubic pyrite, grains 1 to 2mm diameter, sparcely distr'd cpy grains. sampled separately (#2620513)
H018	42.67	46.7	Lapilli Tuff	tuff with f. gr. py and py vlts 45^CA
H018	46.7	49.4	Lapilli Tuff	increased red alt'n in irregular pattern of 1-3mm wide vlts with py and calcite – no green alt'n. Py and cpy (3%) occur distr'd irregularly w/ the red alt'n. Magnetite present but minor component. Where banded, red alt'n 45^CA
H018	49.4	52.5	Lapilli Tuff	grey crystal tuff
H018	52.5	60.4	Lapilli Tuff	rhyolite tuff with mosaic pattern and white and orange flecks. Incl. 10 cm v.f.gr. pale green feldspath'd rock – prehnite?
H018	60.4	68.4	Lapilli Tuff	tuff with few amphibole (pyroxene?) grains, slightly coarser than the rhyolite unit. 62.3 – weak fracture 60^CA. Rock is a fragm'l, chaotic assemblage of angular clasts up to >5 cm dia. possible mudstone/debris flow – esp. 66.8 – 68.4 which is pale mud with orange tinge (presumably weak incipient feldspath'n. Most structures are 60-70^CA
H018	68.4	73.17	Lapilli Tuff	rhyolite mosaic formation 1 -2 mm particles becoming coarser to 2-3mm dia from 70.8
H018	73.17	81.9	Lapilli Tuff	abrupt contact with orange/red band 80 – 85^CA; mixed volc. sed. w/ orange layers, tr. py, mostly on shears

Hole	From	To	Lithology	Description
H018	81.9	82.3	Lapilli Tuff	possible marker horizon formed by an olive-drab porcellainous (sp?) siliceous mudstone. Medallion of cpy – 1 cm wide, includes tr. py – occurs adjacent to strong, narrow band of red alt'n
H018	82.3	90.9	Lapilli Tuff	
H018	90.9	94.65	Lapilli Tuff	brown rhyolite with tiny (1 mm) zeolite(?) filled gas bubbles – transitions back to grey/greenish tuff, contact 45^CA
H018	94.65	95.3	Lapilli Tuff	band of magnetite, py and cpy in black and orange matrix. Cpy t/o but also in a 1 cm band 45^CA
H018	95.3	97.3	Lapilli Tuff	
H018	97.3	98.3	Lapilli Tuff	white feldspar lath py (laths to 3 mm), black matrix, no alignment textures. Green alt'n with minor cpy and py at lower contact. Mud seam 70^CA
H018	98.3	118	Lapilli Tuff	rhyolitic tuff with sections of large clasts (>5 cm) trans'g to mosaic-like text's with varying types of clasts, weak flow (?) alig's. Incl. green alt'n with cpy at 115.62 to 115.70 in vein-like structure
H018	118	121	Lapilli Tuff	dense grey tuff with dissem. bronze-brown biotite <0.5 mm, erratic py (also bronze-brown)
H018	121	127.22	Lapilli Tuff	
H018	127.22	127.55	Lapilli Tuff	dark green serpentinous sheared and chloritized med. gr.tuff – abundantly slickened – prehnite/ pumpellyite?
H018	127.55	128.1	Lapilli Tuff	
H018	128.1	131	Andesite	start of red-orange alt'n – tuff is bleached to tan shade due to feldspath'n – orange-red w/ calcite veining repl. matrix portion and. w/ approx. 20% sub-rd'd amphibole grains up to 2 mm max. dia. Incl. narrow sheared secs w/ chlori'n. Red alt'n to 131 m – only affecting matrix, not grains
H018	131	143	Andesite	SKR with less amphibole grains, more sedimentary appearance; includes large clasts
H018	143	149.35	Andesite	calcareous shear at 30^CA – 3-4 cm wide – likely a trivial feature
H018	149.35	158.35	Andesite	start of orange tinge that becomes str'r down hole. Rock becomes convincingly granitic in appearance and texture. Unit is moder'y str'y magnetic t/o, increasingly strong down hole. Rock has web-like network of micro-fracs and "spots" of magnetite. Sh'g 45^CA w/ chloritization, green alt'n; 0.75 cm py and cpy 156 – 156.4m
H018	158.35	164	Andesite	start of seam of green sandy mud, semi-continuous to 160.70. Remaining rock is as above, no sulph's. Sh'g 60-70^CA. all rocks have slight or str'r orange colour
H018	164	171.85	Andesite	veining parallel to CA with fdsr and calcite. Rock has granitic (i.e. dioritic) appearance and texture. Alt'n incr. – both red/orange and green – up to 90% of rock. Green alt'n in reticulating vnlts with tr. Sulph's
H018	171.85	172.14	Andesite	solid green mineral – prehnite/ pumpellyite? – with 10% cpy – vein lies at 45^CA

Hole	From	To	Lithology	Description
H018	172.14	222	Gabbro	coarse grained mafic-rich diorite/ gabbro w/ orange-pinkish coloured matrix, >20% amphibole(?) grains up to >3 mm dia., incl. irregularly distr'd green alt'n plus py + cpy. Sulph's incr. from 180m along with incr. in intensity of alt'n: dark minerals form 20 to 50%; magnetite present t/o but stronger with red alt'n than with green. Est. 0.1% copper from 180 to 192m with 0.2% Cu from 187.5 to 192m and 0.25% Cu from 189 to 192m. No dominant frac or shear direction.
H018	222	256.48	Gabbro	strong red alt'n, lesser green. Rock has mixed appear. of being crushed w/o much movement. Matrix is in part powdery black sooty material -guessed to be finely divided pyroxene or amphibole. Less finely divided material is totally chloritized. Py + cpy present – est. <0.05% Cu. Includes narrow mud seam from 224.7 to 224.9 m – sandy texture. Some sh'g parallel to CA, also at 20°-30°^CA. Green alt'n (prehnite?) occurs in 1 cm seams and is accompanied by gobby cpy at 65°^CA. Same rock type, but intensity of red and green alt'n changes; magnetite changes. 237 – 241m – est. 0.1% Cu. Sh' 0° to 20°^CA. Hematite is smeared on shear surfaces, likely from magnetite destruction
H018	256.48	261.28	Sedimentary unit	very fine grained, black, red alt'n, bedding features and colour bands perpendicular to CA. Comprises colourful mélanges incl. pale green translucent gel-like matrix – hardness +/- 5. Sulph's present in seams and occ'ly as dissem's. Unit is distinctly magnetic t/o.
H018	261.28	263.24	Gabbro	sharp contact 80°^CA with andesite/gabbro as before. Red-orange alt'n near fractures – apparently due to infusion from the fracture(s).
H018	263.24	263.78	Sedimentary unit	black sedimentary bed
H018	263.78	265.05	Sedimentary unit	red amphibole-rich unit with alteration, minor disseminated cpy
H018	265.05	265.5	Sedimentary unit	sedimentary bed – dark green, chloritized, sh'd; some brick red alt'n with calcite vlts, green alt'n bands, intricately folded, magnetite present, w/ minor sulph's
H018	265.5	266.86	Sedimentary unit	
H018	266.86	277.8	Tuff	change to grey, chloritic tuff, similar to upper part, some clasts, some mosaic-like text', mafic grains up to 2mm dia. 276.78 to 276.98m – smear of cpy on side of core, //^CA
H018	277.8	291.46	Gabbro	coarse gr., up to 35% mafic grains. Contact has 3 cm red alt'n. Rock has dioritic texture, grey and reddish colour; all magnetic. At 284.60m start of green alt'n. Gabbro cont. – 288.7m – sh'd @ 30°^CA. Includes dusty black material (see above), minor coarse cpy increasing to strong cpy to 291.46m. See sample #2620597 – heavy cpy

Hole	From	To	Lithology	Description
H018	291.46	295.66	Fault	fault zone with broken rock, extreme core losses, gritty sand with sulphide grains. Very little core recovery from 292 – 295.5 m
H018	295.66	305.5	Fault	core very broken, recovery about 65%. Rock is very dark green, chloritized and sheared to serpentinous texture, sheared sub-//^CA, incr'y competent but still very brecc'd and sh'd to 305.50
H018	305.5	311.15	Tuff	multi-coloured, orange and grey, brecciated, criss-crossed patterned, cut by white veinlets
H018	311.15	313.1	Tuff	dark grey v.f.g. tuff unit with tiny orange/brown flecks – possibly zeolite-filled gas bubbles? This was noted elsewhere in drill cores. Layering 60°^CA
H018	313.1	313.9	Tuff	return to coloured breccia as above. This apparent brecciation likely is due to red alt'n penetrating from frac's into tuff unit rather than to dynamic bxx'n. Red alt'n was ident'd by PBR as adularia but not apparent if all red alt'n is similar. See specimen from 306.5 m
H018	EOH	313.9		
Hole:	**H019**	**Dip:**	**-70°**	**Eastings: 347951**
Depth:	**446m**	**Azimuth:**	**230°**	**Northings: 6454164**
Geologist:	**Krystle Milligan**	**Elevation:**	**985m**	
Hole	**From**	**To**	**Lithology**	**Description**
H019	(20ft casing) 6.10	7.35	OVB	Overburden, w/ large amounts of Fe-ox and clay, extreamly fractured, small peicies of lapilli tuff.
H019	7.35	8.9	Tuff	heavily Fractured in many directions with a small amount of pyrite. K-feldspar, calcite and qtz in veins.
H019	8.9	11	Tuff	mineralization along fratures and veins sets. 0.01% sulphides disseminated near fractures and vein sets. Small amount of purple (possibly hemetite) near veins. Brecciated areas contain vugs, longer hbl veins minor mineraliztion in fractures
H019	11	13.11	Tuff	For the first meter increase in clay along fractures. Mineralization+disseminated sulphides near veinsets/along fractures and in veins.
H019	13.11	14.97	Tuff	Feldspar cubes with epidote. Vuggy brecciated areas, hornbende blades in brecciated areas, small micro faults.
H019	14.97	17	Tuff	Purplish mineral in sections micro faulting along fractures (hemitite). Micro- faulting along factures and veinsets. Disseminated py+cpy near vein sets. Mineralization in veins and fractures.lots of biotite (porphyritic hornblende (bladed))
H019	17	18.71	Tuff	Porphyritic k-spar and calcite. Minerals slightly disseminated near veins, mineralization near vein sets. Increase in mineralization in last 40cm of box 5-10% pyrite.
H019	18.71	20.57	Tuff	Mineralization along fractures and veinsets. Disseminatd minerals, mostly py near veins. Carb+minor Fe-ox in fractures.

Hole	From	To	Lithology	Description
H019	20.57	21.84	Tuff	Fine-grained Dacite interbanded with Tuff. plag+biotite slighlty flow banded
H019	21.84	26	Tuff	Poor recovery. First metre has good recovery the rest is poor. Carb in fracs. Small section at beginning of run (~30cm) has up to 5-10% py broken sections contain clay.
H019	26	28.02	Tuff	Finer grained matrix, grades to slightly coarser grained. Fractures are quite erratic in places w/ increased mineralization.
H019	28.02	29.94	Tuff	minor py in fractures. Minor disseminated py near fractures, minor epidote.
H019	29.94	32	Tuff	increase in epidote and k-spar alt. py near veins, carb in fracs. Few red minerals (hemitite)
H019	32	34.29	Tuff	vuggy and weathered out minerals in sections. Some places have erratic fractures with minor orange k-spar alt and py mineralization. 1 vein 1cm thick w/60%py.
H019	34.29	36.1	Tuff	many small fractures are filled by py. Fractures and vein sets are mainly erratic. Finer grained matrix becoming coarser near end.
H019	36.1	38.25	Tuff	epidote and carb in fractures. Becoming coarser grained. Py in fractuers some areas are vuggy weathered minerals some fractures contain up to 50%py.
H019	38.25	40.3	Tuff	Veins are erratic and contain lots of carb, vuggy. Epidote+carb in fractures. Few fractures mineralized.
H019	40.3	42.4	Tuff	Increase in Plag, increased fractures towards end of interval.
H019	42.4	44.21	Tuff	minor py+cpy disseminated near fractures. Epidote+carb in fractures. Many fractures erratic, no major veins.
H019	44.21	46.37	Tuff	veins and fractures erractic possibly minor boronite/hemitite. Micro-faulting (erratic) in vein sets.
H019	46.37	48.44	Tuff-Diorite	slight folding in some veinsets. Erratic fractures and veinsets in areas. Pyrite in fractures up to 40%. Large plag x-tals
H019	48.44	50.65	Tuff-Diorite	Increase in k-spar. Large sulphide veins, mainly py w/~7%cpy up to 2cm thick. Vuggy, disseminated mineralization around veins up to 20-40% mineralization in sections. Heavily fraactured black sulphides in some vein sets.
H019	50.65	52.78	Ryolite/Dacite	Lots of k-spar, micro faulting in some veinsets
H019	52.78	54.12	Ryolite/Dacite	Becoming slightly more silicified near end of interval. Carb in fracs
H019	54.12	56.95	Tuff	1cm sericite selvage around few veinsets. Py in fracs and minor amount disseminated around fracs.
H019	56.95	59.29	Tuff	Py in some fractures. Some fractures parallel to C.A. increased fractues near end of interval.
H019	59.29	62	Tuff	Py in fractures some cpy present. Intensely fractured
H019	62	64.12	Tuff	Erratic qtz/carb veins. Minor epidote in fractures. Small sections contain up to 5%py.

Hole	From	To	Lithology	Description
H019	64.12	66.04	Tuff	Epidote in fractures @65.5m increase in clay alt. heavily fractured some disseminated mineralization. Vuggy
H019	66.04	69.07	Tuff	Vuggy and heavily fractured
H019	69.07	71	Ryolite/Dacite	Fine grained matrix increase in k-spar carb in fractures weathering around veins. Minor epidote in fractures.
H019	71	74	Tuff	Heavily fractued weathered around fractures, vuggy py in fractures. Some sericite and epidote alt. Increase in cpy where heavily alt w/orange k-spar (up to 1%)
H019	74	74.8	Fault-Tuff	Heavily fractured and clay alt. Alteration masks veins and mineralization.
H019	74.8	77	Fault-Tuff	Heavily fractured. Mineralization in and around fracs and veins. Magnetite present. Weathered around fractures, vuggy last 30cm slightly more silicified.
H019	77	79.47	Fault-Tuff	Increase in sericite+ epidote in fractures deacrease in py otherwise same as above
H019	79.47	83.25	Fault-Tuff	Heavily fractued increase in epidote, vuggy carb in fractures minerals masked by alt.
H019	83.25	85.12	Tuff	Heavily fractured, weathered around fractures, vuggy some disseminated mineralization.
H019	85.12	87.1	Tuff	Same as above w/ less mineralization carb healed fractures
H019	87.1	89	Tuff	weathered around fractures, vugs, heavily fractures. Epidote in fractures, few light pink minerals (calcite/k-spar) carb healed fractures.
H019	89	90.87	Tuff	redish mineral(hemitite) near epidote py+cpy in fractures, vuggy. Heavily fractured. Increase in k-spar near end of interval qtz filled some fractures.
H019	90.87	92.77	Tuff	Increase in k-spar bladed plag, epidote in fractures, carb in fractures.
H019	92.77	94.81	Tuff	minor epidote +carb in fractures. Increase in orange k-spar alt+py for last 30cm. Heavily fractured
H019	94.81	97.11	Tuff	Epidote py+mag vuggy, heavily farctured carb healed fractured. Qtz veinlets in many orientaitions.
H019	97.11	98.66	Tuff	Heavily fractured first 30cm increase in silicification, broken. Increase in k-spar Epidote in fracs, mag veins in many orientations.
H019	98.66	100.63	Tuff-Diorite	Large plag x-tals epidote in fractures, magnetite. Heavily fractured, very broken in sections. Carb in fracs.
H019	100.63	102.8	Tuff-Diorite	Same as above with minor sericite.
H019	102.8	104.02	Tuff	Epidote in fractures, Heavily fractured weathered around fractures, very broken, carb healed fractures
H019	104.02	108.45	Tuff	Same as above slightly more silicous at end of interval. Poor recovery.
H019	108.45	111	Fault? (Tuff)	1st meter is competent, very fractured, becoming very broken+slightly less clay alt(Possibly small fault with epidote +orange k-spar alt in few fractues.
H019	111	113.35	Fault? (Tuff)	Same as above , increase in fractures, very broken, some areas are vuggy and weathered.

Hole	From	To	Lithology	Description
H019	113.35	117.2	Tuff	More competent than last interval, very fractured. Epidote+cal in filling some fracs. orange k-spar alt in-filling some fracs +in selvage. Py in veins and selvage.
H019	117.2	118.75	Fault? Tuff	Same as above with slickensides on some fractures oriented 35° from C.A.
H019	118.75	119.72	Fault? Tuff	Same as above, no mineralization, minimal orange k-spar alt
H019	119.72	122	Tuff	Slightly magnetic. Epidote+Carb in fractures minor py.
H019	122	124.44	Tuff	Minor cpy disseminated in core, increase in fractures + orange k-spar alt near end of interval. Weathered in fractures vuggy, clay+carb in fractures. Micro-faulting within veins.
H019	124.44	125.66	Breccia-Tuff	Epidote in-filling fractures and veins in brecciated areas
H019	125.66	128.48	Breccia-Tuff	Same as above with less epidote and mineralization, becoming less brecciated near end of interval.
H019	128.48	129.47	Tuff	orange k-spar alt in some veins. Epidote + carb in veins, minor cpy throughout (increase near veins) w/ minor py.
H019	129.47	131.39	Tuff	Same as last with some larger epidote veins containing 5% cpy+py. Py disseminated throughout. Some areas have intense clay alt+ fractures.
H019	131.39	132.07	Tuff	carb healed fractures Py+epidote in veins.
H019	132.07	134.52	Tuff-Diorite	Long large well developed Plag x-tals (up to 2cm long) in a dark matrix. Quite magnetic. Heavily fractured, carb healed fractures.
H019	134.52	136.33	Tuff-Diorite	Same as above w/ increase in epidote+orange alt minor py in veins
H019	136.33	137.74	Tuff-Diorite	Same as above w/ increase in epidote +orange k-spar alt minor py in veins
H019	137.74	140	Tuff-Diorite	Same as above, plag x-tals becoming smaller, increase in fractures
H019	140	142.2	Tuff-Diorite	Same as above plag x-tals becoming larger. 1%cpy in epidote/qtz/carb fractures
H019	142.2	144.03	Tuff-Diorite	Same as last with some red alt (hemetite) alt in plag x-tals in selvage of veins (2cm thick). Minor micro-faulting up to 1.5cm @35°.
H019	144.03	146.23	Tuff-Diorite	Tons of large plag x-tals minor epidote in veins.
H019	146.23	148.28	Tuff-Diorite	Same as above. Carb in fractures, Large qtz veins @ erratic orientations up to 3cm width. Vuggy in some viens increase in k-spar.
H019	148.28	150.25	Tuff-Diorite	Same as above w/ minor orange alt increase in epidote, minor clay alt in fractures. Few individiual plag x-tals becoming altered to orange.
H019	150.25	152	Tuff-Diorite	same as above no orange alt, very broken.
H019	152	154.36	Tuff-Diorite	Same as above minor carb more competent, w/ many fractures
H019	154.36	156.07	Tuff-Diorite	orange k-spar alt+epidote+clay in some fractures. Weathering around fractures and vuggy.
H019	156.07	158.47	Tuff-Diorite	Transitioning into Tuff(med grained). Orange alt in veins up to 5-10% py in veins.

Hole	From	To	Lithology	Description
H019	158.47	160.43	Tuff	No magnetite, carb healed fractures, minor epidote. Very fractured.
H019	160.43	162.15	Tuff	small andesite dyke at 161m, epi+carb in fractures, increase in k-spar.
H019	162.15	164.15	Tuff	same as above w/ minor mineralization and alt.
H019	164.15	167.82	Tuff	Same as above, increase in epi+ micro faulting in veins.
H019	167.82	168.67	Andesite	very fine-grained dark matrix.
H019	168.67	170.32	Tuff	increase in k-spar, carb in fractures weathered sections with minor clay
H019	170.32	171.36	Tuff	same as above w/ small andesite dyke
H019	171.36	174.36	Fault-Tuff	small section w/ epidote in fractures w/ up to 3% cpy. Stringer of andesite w/ minor orange+epidote veins (1-2%cpy). Carb healed fractures, heavily fractured and broken w/ clay alt.
H019	174.36	176	Fault-Tuff	Same as above with less epidote+orange less mineralization, more clay alt.
H019	176	177.39	Fault-Tuff	Same as above, last 60cm=andesite slight increase in orange alt, vuggy.
H019	177.39	179.03	Tuff	more competent rock, but still heavily fractured+weathered. Weathered sulphides. Increase in k-spar. Carb healed fractures w/ minor epidote.
H019	179.03	182	Tuff	Heavily fractured w/ clay alt, competent. Carb healed fractures.
H019	182	183.91	Tuff	Same as last w/ increase in k-spar.
H019	183.91	186.21	Fault-Andesite	Minor tuff, very broken/fractured, clay alt. micro faulting along some fractures. Very minor orange+epi mineralization masked if present.
H019	186.21	188.44	Fault-Andesite	same as above only andesite present. Slightly more competent but heavily fractured no visible orange alt
H019	188.44	190.83	Tuff	minor orange k-spar alt. carb healed fracts. Heavily fractued. Micro-faulting+ minor epidote in fractures. No visible sulphides.
H019	190.83	192.4	Tuff	Same as above with increase in epidote+ orange k-spar alt. Some veins 0.5-1%cpy and of magnetite (30%)
H019	192.4	195.14	Tuff	very clay altered for first 30cm, then more competent. Last 90cm=Andesite dyke. Heavily fractured. 1 epidote vein w/ 5% cpy @194m 1%py (2cm thick). Minor py in qtz veins in andesite (erratic orientation).
H019	195.14	197	Tuff	1-3% cpy in some epidote qtz veins @15°-35° increase in orange +epidote alt around veins. Clay alt in some fractures weathering throughout.
H019	197	199.39	Tuff	Same as above with 1 30cm section containing 3-5% cpy+py.
H019	199.39	201.34	Tuff	3cm vein w/ 20% cpy+20%py+ disseminated sulphides in blk chalkly mag.
H019	201.34	203.38	Tuff	Same as above w/ less veining +mineralization.
H019	203.38	206	Tuff	Lots of orange alt epidote sections of clay alt. small stringers of andesite. Brecciated and broken for last 40cm.
H019	206	207.98	Tuff	Areas of altered by epidote+minor orange.

Hole	From	To	Lithology	Description
H019	207.98	209.03	Andesite	minor cpy throughout, minor epi. Carb healed fracs.
H019	209.03	212	Tuff-Diorite	Large plag Pheocrysts, epidote in some fractures ass w/ cpy. Few plag x-tals becoming altered to orange.
H019	212	213.37	Tuff-Diorite	increase in K-spar decrease in mineralization.
H019	213.37	215.08	Tuff	Andesite stringeres plag x-tals becoming epidote. Heavily fractured. Carb healed fracs.
H019	215.08	217.36	Andesite	Small tuff intrusions/stringers. Cpy+py in matrix of core, throughout. Carb healed fractures. Minor epidote in fractures.
H019	217.36	218.84	Andesite	very broken. Carb healed fractures. Very minor epidote and orange alt.
H019	218.84	220.47	Andesite	Same as above slight increase in k-spar
H019	220.47	221.93	Tuff-Diorite	Heavily fractured, micro-faulting. Large plag x-tals altering to orange. Minor clay+ epidote alt.
H019	221.93	223.8	Tuff-Diorite	Same as above w/ increase in epidote+orange vein @10° has minor cpy+py transitioning to med-grained tuff.
H019	223.8	227.12	Tuff	Carb healed fractures minoe epidote+orange, no visible sulphides heavily fractured.
H019	227.12	228.62	Tuff-Diorite	Large plag x-tals altering to orange k-spar. Micro-faulting and clay alt, heavily fractured.
H019	228.62	230.78	Andesite	Heavily fractured, very mafic. Minimal cpy+py around orange k-spar + epidote alt near veins.
H019	230.78	232.57	Andesite	Same as above increase in med-grained plag phenocrysts.
H019	232.57	234.6	Andesite	Poor recovery. Same as above smaller plag phenocrysts.
H019	234.6	236.13	Andesite	Same as above. 1 area has 3-5% py+cpy in small vein around 236m.
H019	236.13	237.79	Andesite	Same as above increasing fractures, broken.
H019	237.79	239.39	Tuff	Increase in k-spar. Up to 5% cpy in epidote veins.
H019	239.39	242	Andesite	First 30cm Tuff, epidote in fractures carb healed fractures, no visible sulphides.
H019	242	244.14	Andesite	same as above, very broken.
H019	244.14	246.49	Andesite	Small plag x-tals minor py and cpy in fractures. K-spar+carbminor epidote in fractures
H019	246.49	248	Tuff/Ryolite	Pink in color, feldspathized, slightly bleached. Weathered in fractures, slight increase in cpy+py.
H019	248	249.7	Andesite	very broken. Fractures, minor dark gray clay alt-disseminated sulphides. Unable to distinguish sulphides. Minor carb+epi in fracs.
H019	249.7	250.93	Andesite-Tuff-Diorite	disseminated sulphides epi+carb+up to 10% py in fractures.
H019	250.93	252.39	Tuff	Large epidote vein 10cm @65° Increase in epidote carb in fractures. Lots of clay alt+disseminated mins in black clay.
H019	252.39	254	Tuff	Large plag x-tals very minor epidote+orange alt in plag x-tals very minor clay.
H019	254	255.53	Tuff	same as above increase in orange alt.
H019	255.53	258.66	Tuff	same as sbove slightly more broken

Hole	From	To	Lithology	Description
H019	258.66	260.32	Tuff-Diorite	Long plag x-tals minor py in very few fractures (1%) carb healed fractures
H019	260.32	261.75	Tuff-Diorite	Same as above, more competent minor cpy in fractures large veins @end of interval 5cm wide w/ minor py.
H019	261.75	263.27	Andesite	5% py over 1m less than 0.5%cpy.
H019	263.27	266	Andesite-Tuff	Med-grained phenocrysts, lots of plag. Dissem sulphides in fracs. Few plag x-tals alt. to orange k-spar some halos of orange. Carb healed fracs, minor clay in fracs.
H019	266	267.79	Andesite-Tuff	Min. phenocryst lots of k-spar at beg. of interval. Min. sulph. in fracs. 1 large ep vein @35° 2cm thick up to 5% py, lots of dissem. min.
H019	267.79	271.08	Andesite	Becoming less silicified, very minepidote, less min., min dissem sulphides, broken near end.
H019	271.08	272.78	Gabbero-Tuff	Minor py in epidote veins py and carb in fractures. >0.1 Some plag-epidote.
H019	272.78	274.66	Gabbero-Tuff	Same as above less mineralization and epidote alteration
H019	274.66	276.93	Andesite	minor py +epi in fractures. Heavily fractured, clay alt+epi in fractures.
H019	276.93	278.54	Andesite	same as above
H019	278.54	280.8	Andesite	Some increased silicification, others clay alt. Epi+orange+min in fracs, some ep. veins contain 20% cpy
H019	280.8	282.92	Andesite	Same as above increase in cpy+orange alt. decrease in py.
H019	282.92	284.69	Andesite-Tuff	Carb in fractures micro-faulting along 30° fractures off set by 1cm heavily fractured.
H019	284.69	285.2	Andesite	increase in silicification, decrease in min. Minor epidote, no visible sulphides
H019	285.2	286.04	Andesite	Same as above w/ slight increase in orange alt. K-spar and minor py in fracs.
H019	286.04	287.89	Andesite	Increase in mineralization some veins up to 10%cpy. Weathered, vuggy fractures. Small veinlets of 40%cpy+10%py.
H019	287.89	290	Andesite	Intense alt. 30cm sections of epidote +orange. Dissem. sulph. around ep veins.
H019	290	291.88	Andesite	Lots of k-spar, section of 35cm almost solid k-spar. Min. visible sulphides. Heav fract.
H019	291.88	293.75	Tuff-Gabbero(?)	blue mineral in fracture, poss. malechite or scapolite?? Minor clay+carb in fracs.
H019	293.75	296	Tuff-Gabbero(?)	increase in orange k-spar. Hemitite replacing few minerals min clay w/ dissem sulphides.
H019	296	298.37	Tuff-Gabbero(?)	Epidote veins @35° off set by fractures at 35°(180°) from C.A. cpy in veins~1%.
H019	298.37	300.47	Tuff-Gabbero(?)	same as above with 15cm dyke of andesite some weath. in fracs
H019	300.47	304.72	Tuff-Gabbero(?)	same as above no andesite

Hole	From	To	Lithology	Description
H019	304.72	308.61	Tuff-Gabbero(?)	same as above w 1 vein containing 2% cpy
H019	308.61	311	Tuff-Gabbero(?)	Epidote in veins, increase in clay alt+brecc near end of interval. Minor cpy+py.
H019	311	313.75	Tuff-Gabbero(?)	30cm andesite dyke. Increase in orange k-spar alt. dissem sulphides in dyke. Carb+minor clay in fracs. Micro-faulting
H019	313.75	315.15	Andesite	minor dissem sulphides. Microfaulting, minor k-spar alt.
H019	315.15	317	Andesite	same as above increase in py
H019	317	319.29	Andesite	same as above with slightly less py
H019	319.29	321.21	Gabbero	dissem sulph minor epi+k-spar alt. carb healed fracs. Malecite/Scapolite? in 30° frac w qtz+1%cpy. Purple in frac, boronite
H019	321.21	323.26	Gabbero	up to 5%cpy in few veins. Carb healed fractures small stringers of andesite.
H019	323.26	325.31	Gabbero	same as above less cpy/py/epidote
H019	325.31	327.41	Gabbero	same as above with minor dissem sulph.
H019	327.41	329.33	Gabbero	same as above with 1 large 10cm ep/qtz vein w/ 5%cpy
H019	329.33	331.41	Gabbero	same as above with increase in k-spar, minor mineralization.
H019	331.41	333.26	Gabbero	Same as above with increase in cpy/k-spar/epi 1, 10cm qtz-epi vein at 65° contains 1%cpy. Secs have incr. silicification, but still cont. many fracs. Carb healed fractures have 30%py.
H019	333.26	335.31	Gabbero	1- 4cm thick epidote vein contains 25% cpy @35°. Clay+carb in fracs. Py in some fracs.
H019	335.31	337.8	Gabbero	Same as above with less mineralization
H019	337.8	339.9	Gabbero	60cm And dyke cont. min epi-cpy-py in fracs vuggy and v mag. 1-2%py+>1%cpy in veins
H019	339.9	342.03	Gabbero	same as above w/ increase in cpy. Epidote veins contain 20%cpy
H019	342.03	343.75	Gabbero	Same s above with andesite dyke (30cm). Increase in clay alt+broken
H019	343.75	346.3	Gabbero	Poss. small fault. Bleached, light bluish grey in matrix w/ light pink k-spar. 40cm andesite dyke w/ bladed plag x-tals. Very altered+weathered+broken lots of carb
H019	346.3	350.13	Mafic Tuff-Gabbero(?)	lots of dissem sulph, Black+clay alt. lots of ep., ep. vein contains 5%cpy+5%py
H019	350.13	352.84	Mafic Tuff-Gabbero(?)	same as above slight deacrease in cpy+py
H019	352.84	354.46	Gabbero	light blue/grey alt in sections clay+carb in fracs. Incr. in orange k-spar alt. Miner. may be masked by alt.
H019	354.46	356.45	Tuff-Gabbero(?)	carb healed fracs. Very min. mineral. in few fracs
H019	356.45	357.9	Andesite	minor mineralization throughout epi+k-spar+carb in fracs

Hole	From	To	Lithology	Description
H019	357.9	359.7	Tuff-Andesite	First 30cm brecciated. Alternating med grained tuff to andesite. Dissem sulphides. Microfaulting
H019	359.7	362.5	Gabbero	Lots of dissem sulph 10cm of up to 10-15%cpy and 5%py. Purple in some fracs poss boronite/hemetite.
H019	362.5	363.92	Andesite	Boronite/hemitie in few fractures Purple epi+cpy in fractures carb healed fracs.
H019	363.92	365.53	Andesite	Same as above w/ 1 large 10cm vein w/10% cpy
H019	365.53	367.09	Gabbero	dissem black sulph carb healed fracs.
H019	367.09	368.64	Gabbero	same as above w/ increase in cpy +orange k-spar + epi alt + dissem sulphides
H019	368.64	370.68	Gabbero	silicified +bleached light blue sections 1 vein w/ 20%cpy vuggy and weathered
H019	370.68	372.85	Gabbero	silicified +bleached epidote in veinsets minor clay alt in sections
H019	372.85	374.49	Gabbero	same as above increase in cpy, 1 vein has 20%cpy. Blue alt in core
H019	374.49	376.85	Gabbero	mineralization masked by clay alt. carb healed fractures
H019	376.85	378.98	Gabbero	same as abovelast 50cm of bleached core
H019	378.98	380.69	Fault-Gabbero	bleached vuggy, clay alt. minor epidote. Start of fault zone no visible sulphides
H019	380.69	383.63	Fault-Gabbero	same as above increase in clay alt
H019	383.63	388.31	Fault-Gabbero	weathereed high clay alteration mineralization masked in weathering
H019	388.31	395.41	Fault-Gabbero	same as above increase in visible sulphides
H019	395.41	397.48	Fault-Gabbero	same as above increase in clay alt
H019	397.48	401.72	Fault-Gabbero	same as above increase in epidote very dark color, very mafic, increase in visible sulphides
H019	401.72	404.33	Fault-Gabbero	Poor recovery. Same as above. Increase in epidote
H019	404.33	407.15	Fault-Gabbero	Same as above increase in Epidote
H019	407.15	410.16	Fault-Gabbero	Moving out of fault zone incr.in orange k-spar alt+epidote+ w/mineral concen. in veins. Lower % fracs. Clay in fracs
H019	410.16	416.26	Fault-Gabbero	same as above less visible sulphides
H019	416.26	418.2	Tuff	Lots of dissem sulph heavily weath'd, vuggy, ep throughout qtz veinlets=many dir's heavily fract'd+more competent than last.
H019	418.2	420.21	Tuff	same as above with increase in cpy ass/ w/ ep. High grade section
H019	420.21	422	Tuff	same as above with less mineralization increase in orange k-spar alt
H019	422	424.25	Tuff	same as above with less mineralization decrease in orange k-spar alt
H019	424.25	425.85	Tuff	veins containing 10% cpy+5%py same as above

Hole	From	To	Lithology	Description
H019	425.85	429.11	Tuff	increase in orange k-spar alt. Lots of dissem sulph. Decr in visible sulph
H019	429.11	431	Tuff	1 qtz-epidote vein 10cm@65°=5°py+1%cpy +mag same as above
H019	431	433.03	Tuff	less mineral heavily fract'd w/ clay alt
H019	433.03	434.75	Tuff	increase in ep veins with lots of cpy, up to 40% in veins>1cm width. Dissem sulph.
H019	434.75	436.81	Tuff	no visible sulphides last 50cm very broken
H019	436.81	438.55	Tuff	same as above, increase in fracs more broken up.
H019	438.55	440.53	Tuff	increase in silicification, minor mineral
H019	440.53	432.17	Tuff	same as above with increase in cpy+py 1 5cm vein w/ 10%py and 5%cpy
H019	432.17	444.83	Tuff	same as last with less alt and min. few veins contain 2%py and 2%cpy clay alt in fracs carb in fracs.
H019	444.83	446(EOH)	Tuff	Same as above with less mineralization.
Hole:	**H020**	**Dip:**	**-70°**	**Eastings: 347951**
Depth:	**458.35m**	**Azimuth:**	**340°**	**Northings: 6454164**
Geologist:	**Krystle Milligan**	**Elevation:**	**985m**	
Hole	**From**	**To**	**Lithology**	**Description**
H020	0	8	OVB	Chunks of Tuff. Carb+qtz in fracs. V broken lots of clay alt and oxi. Poor recovery
H020	8	9.7	Tuff	Fe-ox in fracs. Min qtz carb veins.
H020	9.7	11.69	Tuff	Fe-ox+carb in fracs
H020	11.69	14.11	Tuff	as above, v broken for last 40cm
H020	14.11	16.47	Tuff	as above, decrease in Fe-ox
H020	16.47	20.26	Tuff	Orange k-spar alt in some veins w/ minor py. Fe-ox in fracs
H020	20.26	22.25	Tuff	as above, less clay alt
H020	22.25	24.18	Tuff	as above w/ increase in py. Py is dissem throughout core.
H020	24.18	26.34	Tuff	as above w/ visible cpy around fracs. Min mag
H020	26.34	29.3	Tuff	as above with decrease in mineral. Carb healed fracs
H020	29.3	32	Tuff	Small fault. Bleached secs, min ep in fracs. Minor orange k-spar alt. Heavily fract'd and broken w/ clay alt. 10cm and. dyke.
H020	32	34.29	Tuff	Redstock (orange k-spar alt) heav. dist'd throughout. Clay+minor ep in fracs min py min in some fracs.
H020	34.29	36.22	Tuff	as above with increase in py, cpy+mag present.
H020	36.22	38	Tuff	as above w/ increase in py
H020	38	39.98	Tuff	Very magnetic core, very dark, py through core+ in fracs. Min cpy.
H020	39.98	41.81	Tuff	as above with increase in py
H020	41.81	44.37	Fault-Tuff	Poor recovery. 1 vein contains 25% cpy. Dissem suphides throughout. V broken, weath'd. Vuggy+clay altered in sections.
H020	44.37	45.63	Fault-Tuff	as above with less cpy+py
H020	45.63	47.58	Fault-Tuff	V broken w/ clay + ep alt in fracs. Less mineralization, moving out of fault zone.
H020	47.58	50	Tuff	1-3cm vein/fracture @65° containing py+py dissem

Hole	From	To	Lithology	Description
H020	50	51.75	Tuff	as above w/ less py, vuggy
H020	51.75	53.73	Tuff	as above w/ minor clay alt
H020	53.73	56.15	Tuff	as above w/ less mineralization
H020	56.15	57.53	Tuff	Slightly bleached+silicified. Carb in fracs, slightly mag, very frac'd
H020	57.53	59.4	Tuff	Lots of clay alt, minor py, possible small fault.
H020	59.4	61.58	Tuff	lots of small veins. Some sections silicified others very fractured
H020	61.58	63.8	Tuff	Slightly coarser gr'd. Min py+mag. Less fracs=more competent and silicified.
H020	63.8	65.39	Tuff	Carb healed fracs. Min orange k-spar alt. Ep ass/ w/ minor mineralization.
H020	65.39	68.93	Tuff	as above w/ increased clay alt small strgs of fine gr tuff, min cpy
H020	68.93	71	Tuff	First 25m= bleached 1 vein @55°, >5mm, cont. 30%py. Ep+clay+min carb in fracs. Very mag
H020	71	72.69	Tuff	Carb healed farcs. Min ep+orange k-spar alt. vuggy w/ minor clay alt, no vis sulphides. Very mag.
H020	72.69	74.36	Tuff	Very mag w/ lots of clay alt. Very thin ep veins @45°. Fine gr tuff stringer 50cm long. Very broken Possible small fault zone.
H020	74.36	77	Tuff	carb healed fracs. Ep+minor orange k=spar alt. Min clay alt, vuggy. Very mag, minor vis sulph.
H020	77	79.63	Tuff	Orange k-spar alt in few veins w/ minor py. Minor py dissem, very mag minor ep+ clay in frac.
H020	79.63	81.7	Tuff	Minor clay+ep in fracs. Vuggy clay alt in sections. No vis suphides
H020	81.7	83.61	Tuff	Same as above w/ minor py throughout core
H020	83.61	85.63	Tuff	Increase in silicification (greenish color). Min fracs qtz in fracs w/ minor carb
H020	85.63	87.69	Tuff	Intrusion of Fine-gr tuff. Hemetite replacing individual minerals.
H020	87.69	89.61	Tuff	1-5cm section with 50% py
H020	89.61	93.56	Tuff	Slightly brecc, hemetite replacing indiv phenocrysts. Slightly mag. Weath'd and vuggy in sections. Heavily fractured.
H020	93.56	95.73	Tuff	Slightly finer gr with orange k-spar+ ep alt in fracs. Less fracs than last interval, incr in silicification
H020	95.73	99.87	Tuff	Small andesite dyke, qtz carb in fractures.
H020	99.87	102.1	Tuff	Andesite stringer ~50cm contains >0.1%py
H020	102.1	104.24	Tuff	Hemitie replacing indiv minerals. Minor py+epi+carb in fracs. Silicified w/ few fracs.
H020	104.24	106.45	Tuff	Slightly c gr, no vis sulphides. Min orange alt in vein
H020	106.45	108.75	Tuff	Same as above w/ no orange. Increase in py.
H020	108.75	110.8	Tuff	Some veins contain 1% cpy+1%py
H020	110.8	113	Tuff	Silicified, magnetic
H020	113	115.7	Tuff-Andesite	orange alt + minor epi+ 2%py in veins.
H020	115.7	117.25	Tuff	Silicified, slightly bleached, epi in veins w/ 2-5% cpy
H020	117.25	119.31	Tuff	as above including veins and cpy content
H020	119.31	121.5	Tuff	No epidote, orange k-spar alt present

Hole	From	To	Lithology	Description
H020	121.5	123.55	Tuff	minor py +epi in frac's.
H020	123.55	125.01	Tuff	as above slightly less silicified, carb in few fracs.
H020	125.01	128	Tuff	Very minor epidote
H020	128	129.79	Tuff	as above, sec of slightly bleached c gr'd for 1st 50cm
H020	129.79	131.86	Tuff	slightly vuggy, weath'd in secs
H020	131.86	134.46	Tuff	35cm And dyke. Clay + blk dissem sulphides in fracs. Increasing silicification. Minor epi in fracs.
H020	134.46	136.14	Tuff	Hemetite repl. phenocrysts. Slightly c gr'd tuff+silicified. Carb in fracs
H020	136.14	138.06	Tuff	as above slightly more frac'd
H020	138.06	140.24	Tuff	Brecciated for last 50cm. Minor py in fracs. Silicified
H020	140.24	142.49	Tuff	very minor orange k-spar alt. increase in epi+py. Icm qtz-carb-epi vein w/ 1-2% py
H020	142.49	146	Tuff	as above w/ increase in fracs w/ carb weathering=vuggy in secs
H020	146	148.36	Tuff	Darker and weath'd. Dissem. sulphides and clay altering
H020	148.36	150.78	Gabbero	Feldspath'd, min py. Carb+vuggy in some fracs. Light blue (scapolite in some fracs/veins)
H020	150.78	153	Gabbero	Blue scapolite in vns. Bleached+silicified
H020	153	155.1	Gabbero	as above w/ increase in orange k-spar alt.
H020	155.1	156.73	Gabbero	Carb in fracs. And dyke (small) qtz+carb in fracs ep present.
H020	156.73	159.3	Gabbero	Incr in orange k-spar alt, silicified. Lots of hbl. Bleached blue scapolite in veins. Blk Dissemin sulph in some fracs
H020	159.3	161.41	Gabbero	Minor blk dissemin sulph in few fracs. Carb in fracs
H020	161.41	163.74	Gabbero	V competent+sil'd. Hemetite replacing single mineral. Magnetite+blue (scapolite) in few fracs. Carb healed fracs
H020	163.74	166	Gabbero	Silicified, comp. w/ few fracs
H020	166	168.19	Gabbero	as above, no brecc. Slight increase in py, Vein contains-5%py
H020	168.19	170.26	Gabbero	as above, minor visible py
H020	170.26	172.46	Gabbero	slight increase in silicif'n +bleached in sec's. Minor cpy in few fracs
H020	172.46	174.42	Tuff	Same as above w/ slight increase in cpy.
H020	174.42	176.66	Tuff	carb healed fracs, minor mineral.
H020	176.66	180.12	Tuff	as above min intru'n of Gabbero
H020	180.12	181.83	Gabbero	Min py in fracs. Competent and sili'd, carb healed fracs, min ep.
H020	181.83	184.04	Gabbero	Hemetite replacing phenocrysts. Contact and at 35°, py in and dissem around contact area.
H020	184.04	185	Andesite	Py dissem throughout. Epi+carb in fracs.
H020	185	189.04	Gabbero	Dissem minerals +clay in fracs. Slightly vuggy, lots of fracs.
H020	189.04	193.42	Gabbero	Hemetite replacing phenocrysts. Min clay +carb in fracs. Incr. competent, still heavily frac'd.
H020	193.42	195.59	Gabbero	as above with incr. in py incr. in ep.
H020	195.59	197.67	Gabbero	as above with carb+epi in fracs, less mineralization.

Hole	From	To	Lithology	Description
H020	197.67	200	Gabbero	as above w/ slight incr. in ep. Very broken sec's, min blk disssem sulph+clay
H020	200	201.63	Gabbero	as above decr. in ep+mineral.
H020	201.63	203.62	Gabbero	Min clay +ep in few fracs incr. in k-spar, minor mineral.
H020	203.62	205.87	Gabbero	Increase is carb+k-spar, +clay in fracs. Minor py in fracs
H020	205.87	207.95	Gabbero	Incr. in Hbl, more mafic and mag
H020	207.95	213.78	Gabbero	Minor py throughout core conc'd in fracs. Clay+dissem blk sulph's in few fracs. Veins bluish in color
H020	213.78	215.2	Tuff-Diorite	Long plag x-tals minor py in fracs, carb in fracs
H020	215.2	217.6	Tuff-Diorite	Same as above becoming coarser gr, less mineral.
H020	217.6	218	Tuff	Hemetite in some fracs heavily clay alt'd minor fault zone
H020	218	219.74	Gabbero	Lots of clay alt (light grey+blk) minor dissem mins.
H020	219.74	222.39	Gabbero	Lots of ep in veins+fracs. Up to 20%py in some fracs. Incr. in silicification.
H020	222.39	224.19	Gabbero	30% cpy +1%py in vein 1cm thick qtz+ep vein. Vein is offset by qtz-carb vein @10° from C.A. moved 1.5cm (micro-faulting). Clay + minor dissem sulph's in fracs.
H020	224.19	226.28	Gabbero	Increase in silicification, minor clay +dissem sulph's in fracs.
H020	226.28	228.75	Gabbero	Over 1m of 40%py+10%cpy. Lots of mag.+dissem sulphides. 2cm thick vein has 50%py @35°.
H020	228.75	230.47	Gabbero	Up to 30%py in some fracs lots of mag in fracs. Core more comp. +silicfied w/ carb in fracs
H020	230.47	232.8	Gabbero	as above w/ increase in epidote+dissem sulph's
H020	232.8	234.77	Gabbero	as above +increase in ep dissem sulph's+py
H020	234.77	236.78	Gabbero	as above w/ less mineral. Minor ep/k-spar/carb in fracs
H020	236.78	238.95	Gabbero	as above w/ minor clay
H020	238.95	241.02	Gabbero	Looks like Granodiorite. K-spar+carb in fracs. Min py in fracs.
H020	241.02	243.02	Gabbero	as above
H020	243.02	245.19	Gabbero	as above w/ epidote alt, py in fractures.
H020	245.19	253.49	Gabbero	as above, less py
H020	253.49	255.29	Gabbero	Increase in mag, py in fracs. Carb in few fracs. Darker color. Minor ep alt.
H020	255.29	257.18	Gabbero	Incr in ep ass/ w/ cpy. Carb in fracs, small andesite dykes.
H020	257.18	259.9	Gabbero	as above with slight decr. in cpy, incr. in py. Some veins cont mag.
H020	259.9	261.46	Gabbero	First 45cm=clay alt w/some dissem sulph. Veins contain scapolite (bluish color). Min vis mineral.
H020	261.46	263.37	Gabbero	Same as above w/ increase in cpy+py. Small andesite dyke
H020	263.37	266.1	Gabbero	1 vein=83cm @10°epi+mag+dark blue?+carb
H020	266.1	267.57	Gabbero	Same as above slight increase in k-spar, feldspathized
H020	267.57	270.5	Gabbero	darker color. Increase in mineral.n, lots of mag.
H020	270.5	271.95	Gabbero	Orange k-spar alt. Lots of cpy+py. V mag, dark color. 35° veins offset by 55° veins by 1cm. Some dissem weat'd blk sulph's in fracs.

Hole	From	To	Lithology	Description
H020	271.95	273.77	Gabbero	Min blk dissem sulph's in fracs. Few veins with mineral. Lots of mag. Incr. Silicification at end
H020	273.77	275.82	Gabbero	as above carb healed fracs.
H020	275.82	278	Tuff	Dark clay alt'd mag areas, dissem sulph's. Mafic, very alt'd soft from clay alt. Choritized
H020	278	280.11	Tuff	as above with less clay alt, carb healed fracs.
H020	280.11	282.4	Tuff	as above w/ less py
H020	282.4	284.36	Tuff	as above w/ less py
H020	284.36	287	Tuff	Lots of blue scapolite in veins, incr. in silicification. Chlor'd
H020	287	288.59	Tuff	as above w/ incr. in cpy +orange k-spar alt
H020	288.59	292.73	Tuff	as above with lots of blk clay alt dissem sulph's
H020	292.73	294.8	Tuff	Same as above w/ lots pf Mag +lots of ep intr's in many different orientations.
H020	294.8	297	Tuff-Andesite	Half and (295.2-296.39m)/half med gr tuff) Lots of mag. Carb in fracs. Blue scapolite in and. Areas of dissem sulph's.
H020	297	301.4	Tuff-Andesite	Much less mineral. Some blk+ clay alt dissem sulph's. Vuggy and weath'd in secs. Py in some fracs.
H020	301.4	307.6	Gabbero	V min py+cpy in fracs. Carb healed fracs. Min clay in some fracs
H020	307.6	309.28	Gabbero	Same as above. Blocky +minor epidote in some fractures
H020	309.28	311.21	Gabbero	Last 40cm extreamly mag, lots of mag. Dark dissemin minerals with a purple hue=hemetite. Some vis cpy+ep masked by weathering, main veinset is offset by micro-faulting in places by 2cm @10°.
H020	311.21	313.45	Tuff	First 45cm=Pink silicified feld'd (poss. quartzite)=blocky +brecc'd w/ minor py+carb+epidote in fracs. core is very blocky and broken w/ minor orange k-spar alt in some fracs . Minor cpy in ep/carb fracs from 10°-15°
H020	313.45	315.45	Tuff	Vuggy weath'd. Carb healed fracs w/ minor cpy+minor areas of blk weath'd clay alt dissem sulph's.
H020	315.45	317.54	Tuff	as above w/ slight incr in cpy
H020	317.54	319.72	Tuff	hemetite repl. Indiv. random phenocrysts. Clay alt, decr. in cpy
H020	319.72	321.8	Tuff	Increase in carb+clay alt
H020	321.8	323.97	Tuff	Carb healed fracs decr. in clay alt (slightly)
H020	323.97	325.87	Tuff	Slight incr. in clay alt. Very blocky and broken in secs. slightly more competent nearend
H020	325.87	327.77	Tuff	Vein offset slightly @65°=micro-faulting. Hemetite replacing individual minerals. Vuggy and decr. in clay alt.
H020	327.77	330	Tuff	Very Frac'd. as above w/ increase in clay alt.
H020	330	332.08	Tuff	as above, slightly more silicified
H020	332.08	334.17	Tuff	as above w/ increase in clay alt.

Hole	From	To	Lithology	Description
H020	334.17	335.97	Tuff	2cm thick vein w/ 8%py. Purple-red-turquiose in fracs =hemetite/poss. scapolite/poss. boronite. Carb healed fracs. Weath'd by clay alt/vuggy/very frac'd. Minor dissem sulph's.
H020	335.97	338.1	Tuff	as above w/ hemetite replacing individual phenocrysts.
H020	338.1	340.24	Gabbero	Hemetite replacing phenocrysts. Minor cpy+py in fractures.
H020	340.24	342.35	Gabbero	as above with secs of increased mag. Mag in some fracs.
H020	342.35	344.55	Gabbero	Slight increase in clay alt/weath. vuggy w/ minor mins in fracs
H020	344.55	346.73	Gabbero	as above w/ decrease in clay alt.
H020	346.73	350.94	Gabbero	Carb +K-spar in fracs. Clay alt in some areas. Blue scapolite in and around veins
H020	350.94	352.79	Gabbero	Some secs have heavy clay alt +very mag secs of dark dissem clay alt'd sulph's
H020	352.79	356	Tuff-Mafic	Metallic sep. done on the area highlighted. Dark colored core, very mafic+ lots of mag. Carb healed fracs sulph's maybe masked by intense alt. Lots of ep in groundmass of brecc'd areas.
H020	356	357.9	Tuff-Mafic	as above Tuff is slightly more distinguishable/not as weath'd. Very mag/mag in veins
H020	357.9	359.52	Tuff-Mafic	Silic'd, very dark w/ green+purple hue (hemetite). Very mag from 359-359.52. Tuff easier to distinguish. Carb healed fracs
H020	359.52	362	Tuff-Mafic	Small andesite dyke. Orange k-spar alt present. Very frac'd.
H020	362	363.8	Fault-Tuff-Mafic	Lots of clay alt becoming very broken and blocky. Small fault
H020	363.8	365.87	Fault-Tuff-Mafic	Bluish hue, mag. Extremely weath'd.
H020	365.87	368	Fault-Tuff-Mafic	as above. Slightly more comp., still very weath'd/alt'd and brecc'd.
H020	368	370.15	Tuff-Mafic	Vuggy w/ qtz/carb in fracs
H020	370.15	372.07	Tuff-Mafic	as above w/ hemetite replacing individual phenocrysts.
H020	372.07	374.75	Tuff	as above, blocky and broken near end. Heavily frac'd. Blk clay alt dissem sulph's in sections.
H020	374.75	376.41	Tuff	Metallic seperation done on this section. Lighter green color, silic'd in sections heavily frac'd
H020	376.41	379.57	Mafic Tuff	Very mag. Dissem sulph's in blk clay alt'd core. Sulph's masked by alt'n.
H020	379.57	380.52	Mafic Tuff	Increase in k-spar. Ep in fracs. Lots of dissemi sulph's very frac'd and vuggy
H020	380.52	383	Mafic Tuff	
H020	383	386	Fault-Mafic Tuff	Lots of dissem sulph's+ clay alt very weath'd
H020	386	389	Fault-Mafic Tuff	as above, unable to identify sulph's alt'n in to intense
H020	389	391.63	Fault-Mafic Tuff	as above, slightly more comp. Last half of interval=Andesite dyke

Hole	From	To	Lithology	Description
H020	391.63	392.53	Fault-Mafic Tuff	And dyke for beg. of interval. Sili'd w/ carb in fracs. No visible sulph's.
H020	392.53	395	Tuff	Clay alt, vuggy carb + epi in fracs lots of mag. Minor blk clay alt dissem sulph's in fracs.
H020	395	397.65	Tuff	Blocky, very mag. areas bleached and silic'd. Clay alt'd blk+purple w/ poss. dissem sulph's in areas. Vuggy and weath'd
H020	397.65	399.86	Tuff	as above w/ small and stringers
H020	399.86	403	Tuff	as above Plag x-tals becoming long and bladed in secs
H020	403	405.54	Tuff	Silic'd, light green, qtz+carb+mag in fracs. No vise sulph's. Heavily frac'd.
H020	405.54	407.3	Tuff	First 40cm =clay alt+poss. dissem sulph's color in blk-green-purple (poss. hemetite)
H020	407.3	409.17	Tuff	as above w/ areas of blk clay alt'd possibly dissem sulph's.
H020	409.17	411.09	Tuff	as above, vuggy
H020	411.09	414.17	Tuff	as above with min py in epvein.
H020	414.17	416.54	Tuff	Purple-green-blk clay +ep alt'd throughout. Vuggy, mag. Last 40cm silic'd light turquoise color. Blocky +broken.
H020	416.54	418.88	Fault-Andesite	Very mag dark colored, very clay alt'd, vuggy no visible cpy
H020	418.88	422	Fault-Andesite	Green and blk, very mag. Very blocky and broken. Min clay alt. Min cpy in ep vein=POOR RECOVERY
H020	422	424.28	Andesite-Tuff	Long bladed plag x-tals. Cpy in ep vein minor clay alt. 2nd half of interval=bleached cont. cpy+ep.
H020	424.28	425.64	Tuff	Bleached and broken w/ poor recovery
H020	425.64	427.31	Tuff	Bleached and blocky minor dissem sulph's+mag in fracs. Purple in some fracs(hemetite)
H020	427.31	428.47	Tuff	Blk dissem alt cpy ass/ w/ ep veins
H020	428.47	430.6	Tuff	Clay alt sections alternating w/ silicified sections bleached.
H020	430.6	437.7	Tuff	Green-purple grey clay altered, hemetite mineralization masked by clay alt
H020	437.7	440	Tuff	Bleached, some secs silicified, heavily frac'd other areas are very clay alt'd, broken. min - no mag
H020	440	441.91	Tuff	as above w/ increase in clay alt. dark w/ blk secs (mag) near end
H020	441.91	443	Tuff	Very mag blk. Minor vis sulph's/dissem sulph's
H020	443	446.21	Tuff	Ep+qtz brecc'd in blk mag groundmass (mag for 1st m). Poss. dissem sulph's in blk clay alt area.
H020	446.21	448.4	Tuff	Increase in silic. some areas have long bladed plag x-tals. Carb+mag in fracs
H020	448.4	450.35	Tuff	as above increase in fracs. Core very green for 1st m of interval
H020	450.35	453.55	Tuff	Same as above, increase in clay alt Blk+purple hue in clay, possible disseminated sulphides
H020	453.55	458.35	Tuff	Bleached +clay alt. Very frac'd. Hemetite repl. indiv. phenocrysts. Carb+ clay in fracs no vis. sulphi's.
H020	EOH	458.35		

Hole:	H021	Dip:	-70°	Eastings: 347951
Depth:	458.35m	Azimuth:	340°	Northings: 6454164
Geologist:	Krystle Milligan	Elevation:	985m	
Drill Hole	From (m)	to(m)	Lithology	Comments
H021	0	5.44	OVB	Poor recovery, not sampled
H021	5.44	7.28	Tuff	Fe-ox in fracs carb healed fracs. Py in and around fracs
H021	7.28	9.67	Tuff	Same as above some clay+minor py in fracs
H021	9.67	11.64	Tuff	Increasing clay alt/broken in few sections, Fe-ox+carb in fracs
H021	11.64	13.79	Tuff	Very minor redstock(orange k-spar alt). Fe-ox in fracs v minor py. Carb healed fracs.
H021	13.79	15.78	Tuff	Carb+Fe-ox healed fracs w/ minor orange k-spar alt
H021	15.78	17.79	Tuff	as above incr. in orange k-spar alt.
H021	17.79	20.48	Tuff	as last 40cm section of intense clay alt increase in orange k-spar alt.
H021	20.48	22.43	Tuff	Andesite intrusion cont. 5% py. Py in fracs + in veins w/ redstock.
H021	22.43	25	Tuff	Very minor orange k-spar alt in areas carb in fracs minor py. Vuggy in secs.
H021	25	26.43	Tuff	No Fe-ox. Blocky for first 80cm py in fracs+carb very minor redstock +clay
H021	26.43	28.31	Tuff	Small andesite intrusion. Lots of ep.
H021	28.31	30.49	Tuff	Very minor orange k-spar alt +ep py in fracs carb-healed fracs
H021	30.49	32.26	Tuff	long plag x-tals in small areas, min orange k-spar alt. ass/ w/ py. Carb healed fracs.
H021	32.26	34.44	Tuff	as above with incr. in py +orange k-spar alt.
H021	34.44	36.5	Tuff	Small 10cm section w/ 10% py minor clay +carb in fracs
H021	36.5	38.43	Tuff	Minor py in fracs + around veins. Carb healed fracs vuggy in secs. Slightly mag
H021	38.43	40.62	Tuff	Minor py. Blocky and broken near end. Carb in fracs.
H021	40.62	42.97	Tuff	Vuggy +carb in fracs. Increase in ep+ orange k-spar alt.
H021	42.97	45.42	Tuff	as above w/ slightly less orange k-spar alt +py
H021	45.42	47.75	Tuff	broken+blocky epi+lots of clay alt. Carb in fracs minor py.
H021	47.75	49.97	Tuff	Slightly more silicified orange k-spar alt ass/ w/ py
H021	49.97	51.62	Tuff	as above w/ less py
H021	51.62	53.58	Tuff	as above w/ less k-spar alt+py
H021	53.58	55.52	Tuff	as above becomes blocky +slightly weath'd and vuggy
H021	55.52	61	Tuff	POOR recovery. Minor redstock vuggy, grinded slightly from drill. Silicified areas. Carb in fracs
H021	61	71.22	Tuff	VERY POOR Recovery clay for last 50cm minor redstock ass/ w/ py.
H021	71.22	73	Tuff	very minor py
H021	73	75.54	Tuff	as above w/ less orange k-spar alt
H021	75.54	77.7	Tuff	as above w/ andesite for last 40cm w/ up to 1%py. Increase in py overall

Hole	From	To	Lithology	Description
H021	77.7	79.7	Tuff	Carb healed fracs. Lighter color, pink/brown(sections) 78.5-79 bleached clay alt in some fracs. Minor orange k-spar alt +ep. Some py in fracs. Dissem sulph's in areas
H021	79.7	81.48	Tuff	Transitioning to finer gr'd pinkbrown color=feldspathized. K-spar+carb in some fracs. Min ep + orange k-spar alt
H021	81.48	83.31	Tuff	All pink/brown color=feldspathized, no mineral carb+k-spar in fracs
H021	83.31	85.39	Tuff	Minor carb healed fracs. Minor ep veins no mineral. Mag
H021	85.39	87.71	Tuff	as above w/ very minor py, less epi. Hemetite repl. indiv phenocrysts.
H021	87.71	89.5	Tuff	as last very minor py less hemetite repl indiv phenocrysts
H021	89.5	91.53	Tuff	Larger plag x-tals in secs very broken carb in fracs, very minor ep
H021	91.53	93.68	Tuff	as last, less fract'd
H021	93.68	95.36	Tuff	as above, less py epi+carb in fracs minor clay in fracs
H021	95.36	100	Tuff	Carb in fracs, vuggy and weath'd no vis sulph's. Very frac'd
H021	100	102.45	Tuff	as above slightly more comp. w/ minor py, less ep very minor orange k-spar alt.
H021	102.45	104.75	Tuff	Same as above w/ minor py
H021	104.75	107.19	Tuff	Very frac'd pink-brown=feldspath'd. Minor flecs of cpy+py throughout. Ep+clay in fracs carb in fracs.
H021	107.19	109.38	Tuff	Same as above w/ less py, no mineral in veins, very broken sections
H021	109.38	111.62	Tuff	Same as above less py
H021	111.62	115.3	Tuff	Same as above, few flecs of py
H021	115.3	117.44	Tuff	Same as above, minor py in fracs
H021	117.44	120.38	Tuff	Same as above w/ flecks of py
H021	120.38	121.97	Tuff	Same as above w/ no py
H021	121.97	123.8	Tuff	Same as above less fractures
H021	123.8	126.53	Tuff	Comp., as above carb+hbl in fracs
H021	126.53	129.5	Tuff	Pinkish hue, lots of k-spar=feldspath'd. Minor redstock +ep. Blue scapolite in some veins. Carb in fracs.
H021	129.5	130.82	Tuff	Becoming slightly coarser, less pink, blue scapolite in veins, no visible py
H021	130.82	133	Tuff-Diorite	Long bladed plag x-tals ground mass pinkish brown=feldspath'd, very mag few flecks of py very minor orange k-spar alt. Ep + carb in fracs
H021	133	134.92	Tuff	Heavily fract'd carb in fracs. Very minor clay in some fracs. Qtz intrusions run @ verrious angles. Bluish hue in some fracs.
H021	134.92	136.79	Tuff	alternating fine gr'd + coarser gr'd. Slight decr. in fracs. Minor cpy+ep in veins
H021	136.79	138.93	Tuff	cpy in ep veins. From 138.33m-end of interval silic'd +bleached. Carb in fracs.

Hole	From	To	Lithology	Description
H021	138.93	141.17	Tuff	Darker color, more mafic tuff. V min orange k-spar alt. Min py. Carb healed fracs. Vuggy areas, minor cpy+py in veins.
H021	141.17	143.14	Tuff	as above w/ less mineral + alt
H021	143.14	145.36	Tuff	as above, less blocky incr. in fracs
H021	145.36	147.67	Tuff	as above epidote-qtz veins have bluish selvage (scapolite). Minor flecs of cpy
H021	147.67	151.16	Tuff	Very broken w/ minor cpy in ep-carb veins increase in py.
H021	151.16	153.62	Tuff	Less orange k-spar alt than last . Blocky and broken. Minor clay alt w/ carb +ep in fracs
H021	153.62	155.88	Andesite	Py in fracs+throughout core. Ep+carb in fracs. Becoming blocky and broken.
H021	155.88	157.31	Andesite	as above very broken
H021	157.31	160.21	Tuff	Carb + ep in fracs. Minor py in vein. Very broken,blocky, vuggy+ weath'd
H021	160.21	162.53	Tuff	as above last m has incr. silic'n.
H021	162.53	164.14	Tuff	no visible py
H021	164.14	166	Tuff	Minor orange k-spar alt +ep+carb in fracs. Hemetite repl. Indiv. phenocryst. No visible py.
H021	166	168.24	Tuff	as above w/ sections broken w/ minor clay alt+minor py
H021	168.24	169.7	Tuff	Bleached hbl+carb in fractures, minor mag
H021	169.7	171.9	Tuff	as above w/ Minor ep
H021	171.9	173.75	Fault-Tuff	Chl alt, very weath'd minor hemetite in some frac's. Minor cpy.
H021	173.75	175.45	Fault-Tuff	as above with and dyke=post alt=Qtz veins @35° no mineral)
H021	175.45	177.9	Fault-Tuff	as above 30cm section of and dyke
H021	177.9	180.05	Fault-Tuff	as above w/ small silicified sections
H021	180.05	181.75	Fault-Tuff	Very clay altered, mineral is masked if present. Minor hemetite in fracs.
H021	181.75	184.2	Fault-Tuff	Same as above darker clay, poss. more mineral. Small secs of very broken more competent rock
H021	184.2	186.6	Tuff	Becoming less clay altered for last m, very frac'd+ brecc'd. No vis mineral.
H021	186.6	188.46	Tuff	30cm band of magnetite @184m. Mag in some fracs. Clay+epi alt. Blue scapolite alt in few veins
H021	188.46	190.34	Tuff	Heavily frac'd. Carb in fracs Lighter in color, areas slightly silic'd and bleached. No visible sulph's
H021	190.34	192.64	Tuff	Same as last w/ areas of dyke intrusions=fine grained gabbero looking, very mafic (increase in mag in this area)
H021	192.64	194.25	Tuff	as last w/ no dyke present
H021	194.25	196.77	Tuff	Same as above w/ small bleached section @196m =10cm width
H021	196.77	198.97	Tuff-Mafic	Many fracs containing carb, incr. in silicification. No visible sulph's. Minor ep in some fracs.
H021	198.97	201.48	Tuff-Mafic	as above, slightly brecc'd w. qtz veins.

Hole	From	To	Lithology	Description
H021	201.48	203.2	Tuff-Mafic	Increase in epi+chl, minor clay alt. Increase in silicification for last m, starting to look granitic. Mag+carb in some fracs minor py, very mag. Minor folds in some fracs.
H021	203.2	205.3	Tuff-Mafic	as above no py or clay present
H021	205.3	207.6	Tuff-Mafic	as above w/ increase in silicification. Qtz-carb vein is 2cm contains blue alt (scapolite)
H021	207.6	209.43	Tuff-Mafic	Same as above chl in some fracs, incr. in fracs, very broken. Minor py+hemetite
H021	209.43	211.1	Tuff	Broken, blocky, blue (scapolite in veins). Carb healed fracs
H021	211.1	213.38	Tuff	Minor py+cpy. Brecciated in veins
H021	213.38	214.86	Tuff	as above no cpy+py present no brecciation in veins
H021	214.86	220.63	Tuff	as above w/ very minor py present
H021	220.63	223.34	Tuff	Becomes very broken near end of interval. Very minor py. Carb in fracs, minor clay alt.
H021	223.34	226	Tuff	First m=increase in silicification, min orange k-spar alt some ep min cpy. Incr. in fracs+broken+slightly clay alt'd near end of interval
H021	226	228.8	Tuff	Same as above w/ minor py+cpy. First m slightly silicified. Increase in broken core.
H021	228.8	231.21	Tuff	Broken for 1st m, redstock +ep ass with py carb+py in fracs
H021	231.21	232.16	Tuff	brown/pink color=Feldspath'd poss. intrusion. Minor py throughout. Qtz-carb, very mag. Increase in silicification. Decrease in fracs
H021	232.16	236.23	Tuff	as last, with min cpy+py throughout. V broken+blocky in areas.
H021	236.23	238	Tuff	Carb in frac. Minor cpy+py. Large ep veins@25° 4cm thick=1%py+1%cpy
H021	238	240.46	Tuff	Increase in k-spar. Small 30cm f-gr dark dyke, minor clay in few fracs. Blocky and broken, increase in ep.
H021	240.46	242.3	Tuff	as above w/ slight increase in ep+small 30cm f-gr dyke.
H021	242.3	244.7	Tuff	as last, no dyke present less mineralization
H021	244.7	246.28	Tuff	Minor clay alt, qtz veins are slightly folded. Orenge-k-spar alt present. No visible sulphides.
H021	246.28	247.69	Tuff	Very broken + blocky for 1st m. qtz-carb-ep vein is 4cm @75°. Minor mag+chl. Ep veins throughout. Weath'd w/ minor clay in areas. Minor orange alt. Minor py.
H021	247.69	250	Tuff	Dark dissem areas possibly containing more sulphides. Increase in orange k-spar alt. Lots of mag, vuggy. Blue scpolite in veins. Increase in py
H021	250	252.32	Tuff	as above, Increase in orange k-spar alt=feldspath'd
H021	252.32	253.6	Tuff	as above becoming very blocky and broken. Mineralization throughout
H021	253.6	255.77	Fault-Andesite	Very broken, fine-gr. Chl+carb, very vuggy brecc'd in veins=qtz-carb-epi

Hole	From	To	Lithology	Description
H021	255.77	257.5	Gabbero	Some sections silicified, some vuggy w/ clay+carb alt. Increasing in orange k-spar alt throughout interval. Epi+mag+carb in fractures. 45° fracs offset (up to 4cm) by 35° fracs. Minor py+cpy
H021	257.5	262	Gabbero	as above w/ increase in mineralization+ orange k-spar alt.
H021	262	263.45	Gabbero	as above w/ deacrease in alt and mineralization
H021	263.45	265.4	Gabbero	as above w/ increase in cpy + ep veins
H021	265.4	266.96	Gabbero	dyke w/ no visible mineral. Chl present, core has greyish blue/green hue. Carb in few fracs
H021	266.96	268.49	Andesite-Diorite	Minor clay alt. Minor clay altered blk dissem sulph's. Mag+mineralization increase towards end of interval.
H021	268.49	272.32	Gabbero	Alternating Gabbero-andesite. Same as above w/ f-grained and. increaseing in cpy. Extreamly mag.
H021	272.32	274.1	Andesite	Dyke- minor ep + orange k-spar alt w/ py+cpy throughout. Mag increase in silicification minor qtz in some fracs.
H021	274.1	276.7	Andesite	as above w/ deacrease in cpy
H021	276.7	277.77	Tuff-Andesite	Alternating Tuff/ Andesite small secs are bleached epi+ orange k-spar alt in fracs w/ minor mineral. mag present. qtz-ep vein @45=2cm long.
H021	277.77	280	Tuff	as above w/ no andesite
H021	280	282	Tuff	as above w/ alternating tuff+and. Some blk dissem sulph's + clay alt in few fracs. Incr. in ep.
H021	282	283.43	Tuff	Long plag x-tals blue selvage around carb fractures. Broken + blocky
H021	283.43	285.04	Tuff	as above darker color (near end of interval) less k-spar.
H021	285.04	286.43	Tuff	as above w/ dissem sulph's +clay very broken + blocky w/ lots of py in epi vein.
H021	286.43	288.35	Tuff	as above, w/ slight increase in silici'n. Very blocky and broken epi+ k-spar + carb in fracs.
H021	288.35	289.57	Tuff	contains small stringer of f gr and. dyke. Blocky and broken + carb in fracs.
H021	289.57	291.3	Andesite	F gr andesite dyke. Some clay+dark dissem sulph's in areas. Ep+carb in fracs
H021	291.3	294.22	Tuff	Lots of mag. Clay+dark dissem sulph's in areas. Carb +minor ep in fracs.
H021	294.22	296.34	Tuff	Poss. Gabbero-looks slightly granitic.
H021	296.34	299.99	Tuff	Carb in fracs. Blue alt (scapolite) in some fracs. Minor cpy +py in some fracs minor clay +blk dissem sulph's.
H021	299.99	301.74	Tuff	Last 25cm bleached. Carb + clay in fracs. Very fractured.
H021	301.74	304	Tuff	Hemetite in fracs, ver minor py
H021	304	306	Gabbero	Last m=f gr. Increase in py+cpy
H021	306	307.77	Gabbero	as above, no f-grained section. Hemetite present.
H021	307.77	310	Gabbero	Carb in fracs, minor ep. Increase in k-spar= feldspath'd (pink color). Hemetite in fracs
H021	310	311.53	Gabbero	Same as above no visible cpy
H021	311.53	313.43	Gabbero	Broken +blocky sections + clay alt, hemetite in fracs
H021	313.43	315.47	Gabbero	Blue (scapolite in fracs). Increase in mineralization

Hole	From	To	Lithology	Description
H021	315.47	317.44	Gabbero	Lots of mag., increase in k-spar bands of py for first m, 2nd m=finer gr dyke. Longer plag x-tals, no visible mineral.
H021	317.44	319.44	Tuff	Increase in ep, very frac'd becoming very broken from 219m and on.
H021	319.44	321.45	Tuff-Diorite(?)	Fine-gr w/ longer plag x-tals. Minor cpy carb in fracs. Slightly bleached.
H021	321.45	323.9	Gabbero	Minor ep w/ minor cpy +py in veins +fracs. Hemetite present, carb in fracs
H021	323.9	325.21	Gabbero	as above w/ less ep
H021	325.21	327.25	Gabbero	as above w/ slight increase in ep + min.
H021	327.25	329.24	Gabbero	as above w/ increase in mag + cpy for 75m, then decrease. Blue selvage around fracs.
H021	329.24	331.28	Gabbero	as above becoming slightly more silicified
H021	331.28	333.29	Gabbero	as above blue selvage around fractures
H021	333.29	335.1	Gabbero	as above no visible sulph's
H021	335.1	337	Andesite	F-grd and w/ 30 cm of c gr gabbero w/ clay alt in middle of interval. Py+cpy in fracs
H021	337	338.5	Gabbero	Very weath'd w/ lots of ep. Minor clay alt + blk dissem sulph's (sulph's most likely present but not visibe.
H021	338.5	339.59	Andesite	Dyke f-grained + very weathered w/ lots of epi veins up to 15cm in width.
H021	339.59	340.8	Fault-Gabbero	Very clay altered, small fault
H021	340.8	343	Tuff	Very broken + blocky, carb in fracs ep+ clay alt. no visible sulph's
H021	343	346	Tuff	Minor clay alt no visible mineral most likely masked in blk dissem clay alt in few fracs. Blocky and broken, minor ep veins.
H021	EOH	346		
Hole:	**H022**	**Dip:**	**-60°**	**Eastings: 347924**
Depth:	**527m**	**Azimuth:**	**180°**	**Northings: 6454289**
Geologist:	**Krystle Milligan**	**Elevation:**	**1000m**	
Drill Hole	**From (m)**	**to(m)**	**Lithology**	**Comments**
H022	0	7	Tuff	Hemetite replacing individual plag x-tals. Fe-ox+carb in frac. No OVB, blocky and broken.
H022	7	8.5	Tuff	as above w/ py in fracs
H022	8.5	10.43	Tuff	Minor Fe-ox in fracs, slightly more silicified py in fracs. Minor epi +carb in fracs
H022	10.43	14.4	Tuff	Same as above w/ more competent rock + increase in silicification.
H022	14.4	16.65	Tuff	Incr. in py +minor fe-ox, minor cpy
H022	16.65	18.41	Tuff	Minor clay+ Fe-ox +carb alt in some fracs 20cm of 45% py. Min redstock
H022	18.41	20.67	Tuff	Same as above. Less py + clay alt in fracs. Increase in silicification looks granitic. Vein is 2cm wide
H022	20.67	22.78	Tuff	Silicified. Minor Fe-ox +carb in fracs. Minor py, slightly magnetic

Hole	From	To	Lithology	Description
H022	22.78	24.78	Tuff	as above, w/ no visible sulph's. Hemetite replacing indiv plag x-tals. Minor sericite.
H022	24.78	26.68	Tuff	as above. Very minor py
H022	26.68	28.68	Tuff	incr. in Fe-ox. No visible sulph's.
H022	28.68	30.84	Tuff	as above. Hemetite repl. individuals x-tals . Min py in some fracs.
H022	30.84	32.84	Tuff	as above w/ very minor sericite in areas. Carb+ fe-ox in fracs
H022	32.84	35.1	Tuff	Silicified. Small amount of redstock carb in fracs. No fe-ox. Hemetite replacing few plag x-tals
H022	35.1	37.25	Tuff	as above, very minor redstock.
H022	37.25	39.22	Tuff	as above. Silicifiifed, minor sericite . Hemetite replacing plag.
H022	39.22	41.33	Tuff	as above, minor py+ minor epi+ fe-ox
H022	41.33	43.4	Tuff	Minor chl+fe-ox+carb. Hemetite replacing individual plag x-tals. Minor Sericite, mag bands + py
H022	43.4	45.5	Tuff	Increase in silicification + py. 2cm py vein @40° py+minor ep in fracs. No Fe-ox
H022	45.5	47.64	Tuff	as above w/ redstock (orange k-spar alt). Py in and around fracs. Minor cpy, only slightly magnetic in certain areas.
H022	47.64	48.72	Tuff	20cm of py +epi vein=80% py 0.5% ep
H022	48.72	52.1	Tuff	Very minor ep + minor py
H022	52.1	53.92	Tuff	Mag +chl+py on contact zone, followed by clay +chl alt. Increasing silicification. Py in fracs, minor epi in veins and fracs.
H022	53.92	56.15	Tuff	Green hue, chl (minor). Carb+ clay in fracs. Minor py.
H022	56.15	58.8	Tuff	as above w/ redstock (orange k-spar alt) + increase in py. Increase in mag + minor epi
H022	58.8	61.34	Fault-Tuff	Very clay altered, to weath'd to distinguish mins, very magnetic.
H022	61.34	62.82	Tuff	very silicifiefd w/ epi veins=containing minor cpy. Py in fracs.
H022	62.82	64.9	Tuff	Same as above with less silicification + broken in sections. Minor epi+ py.
H022	64.9	67.1	Tuff	Minor epi + redstock. Vuggy + weath'd in fracs. Carb + ep + minor py in fracs. Broken w/ fract'd qtz near end.
H022	67.1	68.9	Tuff	Vuggy, weath'd in fracs. Minor redstock + epi. Lots of py in and around fracs.
H022	68.9	71.09	Tuff	Increase in silicification. Minor ep+redstock.
H022	71.09	73	Tuff	Silicified vuggy and weathered w/ minor py. Qtz-carb veins/fracs in many directions.
H022	73	74.2	Tuff	Silicified sections, minor sericite alt. Slightly chloritized. Broken + clay alt in sections. Minor py.
H022	74.2	75.46	Tuff	Darker color, silicified py+carb in fracs. Minor chl
H022	75.46	77	Tuff	Very broken+clay alt+chl+carb in fracs.
H022	77	79.29	Tuff	Coarse grained fro 20cm-grades in medium tuff. Minor epi+chl in fracs. Silicified. Minor flecks of py.
H022	79.29	81.96	Tuff	broken and blocky, minor qtz + chl. Minor py in fracs.

Hole	From	To	Lithology	Description
H022	81.96	83.09	Tuff	Silicified. Ep+hbl+carb in fracs. Very minor py+cpy in 1 vein at end of interval, 3%cpy at end of interval.
H022	83.09	85.52	Fault-Tuff	Very broken, clay alt. Chl+ epi, mineralization masked by alteration
H022	85.52	87.1	Tuff	Many fracs. Epi+carb in fracs minor redstock. Cpy infracs vuggy w/ minor py in fracs
H022	87.1	88.38	Tuff	silicified, minor sulph's
H022	88.38	92.13	Tuff	Same as above w/ increased fracs. Minor redstock+minor clay in fracs. Increase in qtz for last 30cm
H022	92.13	94.34	Tuff	Few flecks of py+silicified
H022	94.34	96.2	Tuff	increase in fracs, secs are blocky + broken. Minor py ass/ w/ redstock
H022	96.2	98.38	Tuff	Carb+py in few fracs. Silicified competent rock, almost dead zone for min +alt
H022	98.38	100.85	Tuff	as above, w/ no py, carb in fracs
H022	100.85	102.7	Tuff	First m=increase in carb in fracs, rock has green hue, chloritized w/ minor py+ minor clay alt.
H022	102.7	104.82	Tuff	Incr. in clay alt, broken in sections
H022	104.82	107	Tuff	Silicified, slightly bleached, min redstock, qtz+carb in fracs. Min redstock, qtz+carb in fracs. Min sericite + min blue (scapolite in some fracs). Min py
H022	107	108.32	Tuff	Ep+ minor redstock + py in fracs. 4cm vein has 40% py +2%cpy
H022	108.32	110.9	Tuff	Longer plag x-tals, minor ep+carb+py in fracs, minor chl
H022	110.9	112.5	Tuff	Ep + mag vein @ contact. Clay alt+ broken and blocky. Lots of mag + chloritized minor py.
H022	112.5	114.17	Tuff	Partly clay+epi alt, other sections vuggy+ weathered. Lots of carb, minor cpy +py.
H022	114.17	116.36	Tuff	Silicified. Some fracs almost parallel to C.A. minor redstock py+cpy
H022	116.36	119.64	Tuff	Same as above slightl increase in py. 3cm section of mag+py(40%py+1%cpy)
H022	119.64	120.73	Tuff	Minor sericite. Redstock, minor mag+cpy+py. Carb in fracs
H022	120.73	122.9	Tuff	Py+carb in fracs. Minor mag+redstock
H022	122.9	125	Tuff	as above increase in epi. Sericite + py in fracs
H022	125	126.61	Tuff	Increase in mineralization minor clay alt in sections
H022	126.61	128.44	Tuff-Magnetite	Majority is Dark magnetite, Dirty+disseminated sulph's. Mineralization in masked by alt (could be higher amount). Visible py+cpy+redstock+epi. Less magnetite near end of interval. Very heavy core.
H022	128.44	130.39	Tuff	Veins contain 10%py, lots of redstock+ mag. Possibly contains cpy as well.
H022	130.39	132.59	Tuff	as above w/py throughout
H022	132.59	134.77	Tuff	as above, less mineralization, no cpy
H022	134.77	137	Tuff	Min ep + py in and around veins 16cm section w/ 10%py throughout

Hole	From	To	Lithology	Description
H022	137	138.85	Tuff	Tons of magnetite, very fractured w/ py in fracs. Weath'd secs, increase in silicification near end of interval. Minor redstock
H022	138.85	140.74	Tuff	At 140cm for 40cm=Andesite dyke (contains no mineralization). Minor min in tuff. Minor py in fracs, magnetite phenocrysts. Vuggy near end of interval
H022	140.74	142.8	Tuff	as above w/ no dyke, lots of magnetite phenocrysts. Areas of dissem sulph's (possibly increase in min)+clay alt. Minor epi+chl in secs
H022	142.8	144.5	Tuff	Minor clay in areas, minor sericite, minor redstock w/ py
H022	144.5	146.54	Tuff	Increase in silicification. Carb in fracs. Less redstock + py. Minor epi
H022	146.54	148.6	Tuff	as above w/ slight increase in py
H022	148.6	150.3	Tuff	increase in epi + redstock. Minor py+cpy throughout, very magnetitc
H022	150.3	152.23	Tuff	Increase in silicification + cpy+py. Lots of magnetite + qtz. Becoming very broken for last m, slightly clay alt.
H022	152.23	154.15	Tuff	Small 20cm andesite dyke w/ same mineralization at tuff. 2cm epi+py vein=80%py+2%cpy. Minor clay+chl in some fracs. Less mag than last
H022	154.15	155.89	Tuff	Grades into slightly finer gr tuff
H022	155.89	158.2	Tuff	as above grades into med grained tuff. Section of clay alt and broken core.
H022	158.2	160.1	Tuff	Grades back into F-grained tuff. Increase in silicification. Fractured, minor clay+ chl alt in fracs
H022	160.1	161.89	Tuff	Minor redstock, mag+ carb
H022	161.89	164	Tuff	Same as above w/ less py
H022	164	165.11	Tuff	Major clay alt. Very broken. Minor redstock, to altered to determine mineralization
H022	165.11	167	Tuff	silicified, no visible sulph's
H022	167	169.5	Tuff	Minor epi + redstock + epi+ carb in fracs. Becoming vuggy+ broken near end of interval. Hemetite replacing plag x-tals (few).
H022	169.5	171.41	Tuff	as above w/ minor veins containing cpy. Increase in silicification. Minor py throughout.
H022	171.41	173.27	Tuff	Increase in redstock, 1m=feldspathized=vuggy. Proceeding is an incr. in ep + silicification + cpy
H022	173.27	174.9	Tuff	Hemetite replacing few individual plag x-tals. Silicified + broken section w/ areas weathered+vuggy minor red+epi w/ cpy+py (few flakes).
H022	174.9	177.15	Tuff	Bleached, first m=feldspathized=pink+brown color. Heavily fractured w/ carb + epi ,not very magnetic
H022	177.15	179.5	Tuff	py + cpy in ep + redstock alt. Becoming weathered in fracs near end of interval, vuggy w/ many fracs
H022	179.5	181.41	Tuff	Weathered+ vuggy. cpy in epi, minor redstock
H022	181.41	183.3	Tuff	as above transitioning into a slightly finer grained tuff. Carb healed fracs.
H022	183.3	185.57	Tuff	as above w/ less cpy

Hole	From	To	Lithology	Description
H022	185.57	187.65	Tuff	50% py in veins ass w/ mag + epidote 1cm. Increased silicification . 1 mag-epi vein (2cm) contains = 20%py, 5%cpy Areas are feldspathized (no redstock in thi s area)
H022	187.65	189.71	Tuff	10cm andesite dyke. 1cm vein=25%py+5%cpy. Epidote veins contains lots of cpy
H022	189.71	191.88	Tuff	Py + cpy ass w/ epi+ mag. Very minor redstock, lots of epi. Carb in fracs+ increase in silicification.
H022	191.88	193.93	Tuff	as above, Slightly chloritized w/ less mineralization
H022	193.93	196	Tuff	Less fracs. Min ass w/ redstock + epi. 15° veins are crosscut by 55° veins and slightly offset. Mineralization concen. in ep veins and around redstock.
H022	196	197.88	Tuff	Minor alt+min small 2cm andesite dyke.
H022	197.88	199.13	Tuff	Ep veins thick 10-40cm contains 20-5% py. Not very magnetic
H022	199.13	200.39	Tuff	Feldspath'd (not redstock). Epi+cpy in fracs, some fracs contain up to 80% cpy
H022	200.39	202.68	Tuff	Min ass w/ mag + redstock veins + ep. Small andesite 5cm dyke at 55°
H022	202.68	205.3	Tuff	Ep veins contain 40%cpy, minor redstock
H022	205.3	207.25	Tuff	Minor sericite, hemetite in some veins as well as replacing some individual plag x-tals. Increase in silicification.
H022	207.25	209	Tuff	Bleached sections. Some thin ep+carb veins w/ 10%py +10%cpy carb in farctures
H022	209	211.05	Tuff	as above w/ qtz around fracs
H022	211.05	213.21	Tuff	as above w/ less epi
H022	213.21	215.27	Tuff	as above, slight increase in ep veins, becoming less bleached+silicified for last m
H022	215.27	217.55	Tuff	Hemetite replacing individual plag x-tals. Slightly bleached sections. Sericite alt in areas. Minor ep ass/ w/ cpy
H022	217.55	219.66	Tuff	Chloritized, py in fracs, becoming vuggy w/ lots of magnetite.
H022	219.66	221.91	Tuff	Large amount of carb in fracs. Hemetite replacing individual plag x-tals. Clay alt in sections. Chloritized.
H022	221.91	224	Tuff	as minor epidote and redstock. Carb in fracs.
H022	224	226.2	Tuff	as above w/ 2 Epi vein=1cm (5% cpy)
H022	226.2	228.35	Tuff	Increase in epidote for last m, hemetite replacing individual plag x-tals . Minor mineralization. Heavily fractured w/ lots of carb in fracs
H022	228.35	230.24	Tuff	2cm, 1cm qtz-epi vein=10%py+5%cpy. Vuggy, minor redstock, chloritized
H022	230.24	232.2	Tuff	as above, 1st m very broken
H022	232.2	234.38	Tuff	Chloritized w/ minimal sulph's, clay alt in fracs, dissem sulph's. Py+cpy in epi. Minor redstock
H022	234.38	235.38	Tuff	4cm chl vein w/ 30% cpy + 10% py. Chloritized w/ minor dissem sulph's (possible contains more sulph's)

Hole	From	To	Lithology	Description
H022	235.38	237.33	Tuff	Very fractured. Weathered w/ minor ep+redstock) py in bands
H022	237.33	239	Tuff	qtz, carb in fracs minor epi, no visible sulph's, sericite present
H022	239	240.74	Tuff	as above w/ minor redstock + ep. Mag + py in some areas, vuggy setions
H022	240.74	242	Tuff	Chloritized 5cm vein contains purple mineral+boronite? + 10%cpy + 10%py. Lots of dissem mins in this section, poss. higher mineralizatin
H022	242	243.89	Tuff	Contains sericite w/ minor redstock + ep, chloritized.
H022	243.89	246.09	Tuff	as above carb+ k-spar in fracs 1cm @35°. Hemetie replacing individual plag x-tals. Sericite =present
H022	246.09	247.27	Tuff	2cm vein 30%cpy+ 10 %py. Blue alt (scapolite) in some fracs. Carb in fracs chloritized
H022	247.27	249.23	Tuff	Ep + carb in fracs. Redstock in selvage of some veins. 0.2mm wide w/ sericite in some areas
H022	249.23	251.29	Tuff	Coarse grained tuff silicified very minor mineralization.
H022	251.29	253.49	Tuff	as above w/ some large magnetite phenocrysts
H022	253.49	255.59	Tuff	Small dyke of coarse grained gabbero (intrusive). Chloritized
H022	255.59	257.67	Tuff	Transitioning into coarse grained gabbero (intrusive). Slightly magnetic. Carb in fracs, very minor mineralization. Minor clay alt.
H022	257.67	259.9	Tuff	as above, still transitioning into gabbero
H022	259.9	262.06	Gabbero	Magnetic w/ lots of hbl. Feldspathized. Minor epidote veins, large hbl phenocryst. Carb+epi in fracs. Minor cpy+py. Increase in silicification
H022	262.06	263.98	Gabbero	as above veins offset 3cm by 25° fracs/veins qtz. Mag in fracs. Hemetite replaces hbl in areas.
H022	263.98	266	Gabbero	as above, for first m. Last m has increased silicification+ bleached.
H022	266	270.15	Gabbero	Gabbero is bleached+ feldspath'd small dykes of tuff. Hemetite replaces individual hbl phenocrysts. Min carb + epi in fracs minor cpy + py in few fracs
H022	270.15	272.14	Gabbero	as above w/ minor epi + redstock
H022	272.14	274.24	Gabbero	core still bleached w/ bluish hue in areas concentrated around fracs. Py in few fracs
H022	274.24	276.21	Gabbero	as above w/ very minor ep in areas
H022	276.21	278.18	Gabbero	Increased bleaching + blue alt w/ no epidote
H022	278.18	280.37	Gabbero	as above w/ minor ep+ cpy
H022	280.37	282.44	Gabbero	as above w/ no ep+cpy
H022	282.44	284.45	Gabbero	as above w/ minor ep+cpy
H022	284.45	285.89	Gabbero	Same as above w/ lots of blue scapolite no ep+ no cpy
H022	285.89	287.57	Gabbero	as above becoming brecciated transitioning into tuff. 6cm epi vein, w/ minor dissemin clay alt + dissemin sulph's near vein. (interval could contain more sulph's
H022	287.57	289.31	Tuff	Still brecciated+ broken trans. from intrusive . Chloritized, minor hemetite +py+ep, lots of carb
H022	289.31	291.32	Tuff	Very minor redstock in veins, minor ep +carb in fracs. 1cm blue selvage aroound many ep=carb fracs

Hole	From	To	Lithology	Description
H022	291.32	292.78	Tuff	chlorit'd, bluish hue, becoming weathered , minor clay alt in sections , w/ carb in fracs . Hemetite present, very mag.
H022	292.78	294.18	Tuff	as above minor descrease in py +cpy
H022	294.18	296.31	Tuff	becoming silicified. Minor redstock. Lots of qtz. Slightly brecc. dyke of intrusive c gr gabbero. Minor clay alt near end
H022	296.31	298	Tuff	Increase in redstock +lots of mag ass/ w/cpy +py minor clay alt w/ chloritized area w/ disssem sulph's
H022	298	299.64	Tuff	10cm andesite dyke near end of interval. Around 299m increase in weathering=vuggy.
H022	299.64	301.36	Tuff	Very magnetic, minor min ass/ w/ cpy+py carb in fracs
H022	301.36	302.93	Tuff	Small 10cm andesite dyke at 302m. Areas of clay alt-dark dissem sulph's (possibly more mineral in this sec).
H022	302.93	304.86	Tuff	Incr. in redstock +py+cpy in fracs throughout. Some weath'd + vuggy. clay alt dissem sulph's=possibly more sulph's present in this sec. Middle of run silicified w/ qtz in fracs. Lots of mag near end of inter. end of interval core is blk.
H022	304.86	306.8	Tuff	At 305=4cm epi vein w/ 40%cpy + 10%py. Lots of mag around veins, very heavy. Incr in mineral. Core is blk
H022	306.8	308.65	Tuff	as above, less mineralization increase in silicification in areas.
H022	308.65	310.3	Tuff	as above w/ increase in mineral.
H022	310.3	311.57	Tuff	60% epi w/ 30%cpy + 10%py. Very heavy w/ lots of magnetite. Small qtz veins cut through epidote @65°
H022	311.57	313.06	Tuff	40% epi w/ 30% cpy +10%py. Dark blk core intense magnetite
H022	313.06	314.37	Tuff	Lots of redstock w/ cpy veins @25° py throughout. Small 15cm andesite dyke around 314m.
H022	314.37	315.54	Tuff	35cm of ep containing 1 %cpy +80%py almost solid py. Dissem + clay altered sulph's throughout (poss. masking more cpy). Broken +blocky near end
H022	315.54	317.25	Tuff	65° veins offset by 10°veins 1cm (micro-faulting). Clay alt-dissemin sulph's (cpy poss. higher) in some fracs + Very weath'd lots of carb. Vuggy.
H022	317.25	318.89	Tuff	dissem sulph's in chloritized areas. 3cm ep vein w/ 3%cpy +3%py weathered and vuggy.
H022	318.89	320.35	Tuff	Chloritized and weathered=vuggy in sections . Carb in fracs.
H022	320.35	321.38	Tuff	Chloritized 50% epi w/ 40%cpy + 10%py
H022	321.38	322.83	Tuff	Chl w/ dissem sulph's in fracs. Lots of mag + vuggy + redstock. Poss. more cpy present
H022	322.83	324.05	Tuff	Blk core, weathered very magnetic. Cpy+py ass/ w/ epi, 10%cpy+5%py in veins. Core is very heavy.
H022	324.05	325.51	Tuff	as above, minor redstock. Dark, dirty, heavy core, could contain higher amount of sulph's in weath'd areas
H022	325.51	326.69	Tuff	as above w/ increase in ep + visible sulph's.

Hole	From	To	Lithology	Description
H022	326.69	328	Tuff	Increase in clay alt/dissem sulph's. 1st 10cm has lots of carb. Poss. containing higher amount of cpy in clay alt areas.
H022	328	330.35	Tuff	Starting to transition into gabbero. Minor clay alt.
H022	330.35	332.42	Gabbero	Still transitioning into gabbero from tuff. Sections of clay alt dissem sulph's. Ep veins contain 20%py + 20%cpy. Broken+ blocky hemetite in fracs. Vein is less than 3cm.
H022	332.42	334.41	Gabbero	broken + locky py in fracs. Carb in fracs
H022	334.41	336.8	Gabbero	Mag bands @55° ass/ w/ py+cpy. Feldspath'd, ep present. Minor blue alt throughout. Purple hue in fracs either boronite/hemetite.
H022	336.8	338.31	Gabbero	as above w/ increased clay alt+ less py+cpy
H022	338.31	340.48	Gabbero	as above w/ increase in clay alt + blocky and broken near end of interval
H022	340.48	342.31	Gabbero	Darker, chloritized + increase in magnetite cpy is mainly ass/ w/ epi + redstock. Carb in fracs minor dissemin sulph's in few fracs. Core is soft, clay altered.
H022	342.31	346.27	Gabbero	Same as above w/ increase in mineral minor hemetite in fracs.
H022	#REF!	347.66	Gabbero	Rock is heavy, 3cm= 20% cpy, 10%py lots of solid chunks of cpy. Up to 40% in some fracs. Very dark, tons of mag. Hemetite in fracs.
H022	347.66	348.76	Gabbero	Ep vein contains 10%cpy+ 3% py=3cm thick. as above less mineral
H022	348.76	350.82	Gabbero	Hemetite in fracs. Increase in silicification. Py throughout, lots of qtz last 20cm=5%py throughout
H022	350.82	353	Gabbero	Increase in mag, blk core. Lots of py throughout. Areas of dissem sulph's. Alter's from tuff to gabbero
H022	353	354.58	Gabbero	Less mag, minor min throughout, carb in fracs.
H022	354.58	356.28	Gabbero	Lots of mag, hemetite+carb in fracs.
H022	356.28	358.23	Gabbero	Very minor redstock ep ass w/ minor cpy+py. Broken +blocky in section.
H022	358.23	359.88	Gabbero	Increase in cpy +py +redstock +ep. Hemetite in fracs
H022	359.88	362	Gabbero	Blk=Lots of mag. Half the run is very broken + clay alt, probably cont. dissem sulph's. The other half is more competent/vuggy, carb in fracs, very heavy. Hard to determine the mineral due to weathering. Hemetite in fracs.
H022	362	363.54	Gabbero	as above, no clay alt, slightly less mag.
H022	363.54	365.27	Gabbero	as above w/ less min + alt, minor clay alt +very broken
H022	365.27	367	Gabbero	Long plag x-tals slightly magnetic. Minor hemetite in few fracs, slightly chloritized. No visible sulph's.
H022	367	370.77	Gabbero-Andesite	as above, no visible sulph's increasing clay alt near the end.
H022	370.77	372.3	Gabbero-Andesite	as above, transitioning into a more mafic composition, very broken w/ minor epi.
H022	372.3	374.77	Gabbero	Silicified for first 60cm, bands of epi-mag contain py+cpy, hemetite in fracs

Hole	From	To	Lithology	Description
H022	374.77	377	Gabbero	as above increased mag in secs. Blue (scapolite) alt in some areas. Minor cpy+py, grades into finer gr gabbero, Minor redstock, carb in fracs
H022	377	378.88	Gabbero	Alternating coarse+ fine grained otherwise same as above.
H022	378.88	381.03	Gabbero	2cm mag vein @55° w/ 10°cpy. Epi vein=2cm w/ 10%cpy+5%py @55°. Carb in fracs
H022	381.03	383.21	Gabbero-Andesite	No visible sulph's, becoming slightly bleached near end of interval.
H022	383.21	385.84	Gabbero-Andesite	No visible sulph's. Weathered minor epi +carb in fracs+ mag
H022	385.84	387.58	Gabbero	1 mag vein 2cm thick w/20% cpy + hemetite. Bleached + silicified near end of interval for 30cm
H022	387.58	389.15	Gabbero	as above w/ increasing mag+ cpy near end. 1 5cm mag vein containing 20%cpy +10%py
H022	389.15	390.7	Gabbero	Lots of mag, increase in mineral. 20cm=3%cpy+10%py+ other epi veins cont. cpy. Heavey redstock alt+ep alt. Slicified section cont. lots of qtz @20cm.
H022	390.7	392.95	Gabbero	as above, 3cm vein =30%cpy+10%py. Very heavy
H022	392.95	395.1	Gabbero	as above very dark, lots of mag+hemetite in fracs
H022	395.1	397.77	Gabbero	as above w/ very minor redstock. Hemetite in fracs, decrease in mineralization.
H022	397.77	398.3	Gabbero	as above w/ less mag, 3 small 2mm cpy+py veins @65°. Lots of carb in fracs almost parallel to C.A.
H022	398.3	400.52	Gabbero	cpy+py in fracs. Carb in fracs. Silicified sections. Epi veins ass/ w/ mineralization
H022	400.52	402.7	Gabbero	Lots of plag, silicified, less alt. Feldspathized in areas, not redstock. Few small epi-mag veins @55°
H022	402.7	404.82	Gabbero	1 13cm ep vein at 55°=no mineral. Smaller epi veins ass/ w/ mag contain cpy+py=also in fracs
H022	404.82	406.77	Gabbero	Minor blue alt+carb in fracs. Few 1mm veins w/ ep+mag+cpy, few fracs contian cpy
H022	406.77	408.45	Gabbero	50cm mag+epi cont. 10%cpy+5%py, 2cm ep veins @35° containing 5%cpy +5%py. Chlorotized, hemetite in fracs
H022	408.45	410.51	Gabbero	Ep+mag in veins=1mm, have 40%cpy+10%py increased silicification in some areas.
H022	410.51	412.87	Gabbero	as above w/ minor hemetite in some fracs. Blue alt (scapolite) in areas slightly disseminated clay alt for last 5cm.
H022	412.87	415.02	Gabbero	Silicified, increase in chl+epi in sections. Some veins have 2cm blue alt (scapolite) selvage
H022	415.02	417.05	Gabbero	Bluis- green hue, minor cpy+py ass/ w/ mag vein.
H022	417.05	419	Gabbero	as above, no visible sulph's
H022	419	421.32	Gabbero	Very clay alt broken + brecciated increase in ep+mag. Some visible cpy in ep. Inteval=30%epi+50% magnetite. Minor redstock. Areas of dissem sulph's. First 70cm intense clay alt.
H022	421.32	423.04	Gabbero	Very broken+blocky w/ lots of carb in fracs. No visible sulph's

Hole	From	To	Lithology	Description
H022	423.04	424.18	Gabbero	as above, Few flecks of py in epi. Becoming more competent
H022	424.18	427.33	Gabbero	Carb+ep in fracs. Very minor flecks of py. 3cm section of mag+possible dissem sulph's. Possibly contains more sulph's. Competent w/ little alteration+mineralization.
H022	427.33	429.3	Gabbero	almost stick rock, very competent w/ very minor alt.
H022	429.3	431.67	Gabbero	as above w/ very minor ep+mag ass/ w/ few flecks of py
H022	431.67	433.82	Gabbero	as above w/ increase in ep+mag+py.
H022	433.82	438.15	Gabbero	as above slightly chloritized, very minro epi. Minor dissemsulph's. Carb+epi in fracs. Minor cpy
H022	438.15	440.03	Gabbero	First 70cm heavily clay altered, no visible sulph's.
H022	440.03	443.4	Gabbero	Very minor epi in fracs. Bluish hue, carb in fracs. No visible sulph's
H022	443.4	445.63	Gabbero	Very silicified in sections. Blue alt in areas. Slightly chloritized, incr. in mag. Minor caly alt in few fracs. Minor py+cpy
H022	445.63	447.6	Gabbero	as above, w/ increased clay alt in sections
H022	447.6	449.9	Gabbero	as above w/ minor clay alt.
H022	449.9	451.65	Gabbero	as above, increase in magnetite, throughout
H022	451.65	457.37	Gabbero	as above w/ increase in silicification + mag. 12cm vein of disseminated sulph's. Vuggy in some fracs. No visible sulphies.
H022	457.37	459.3	Gabbero-Andesite	as above, increase in fracs, heavily weathered, minor epi in fracs.
H022	459.3	461.53	Fault-Gabbero-Andesite	Heavily brecciated. Carb intrusion, transitioning into Coarse grained gabbero.
H022	461.53	463.78	Fault-Gabbero	Transitioning from f-grained to coarse-grained gabbero. Sections of mag+carb ass/cpy +blue/green mineral?? Min area of dissem sulph's, gabbero in feldspath'd sec.
H022	463.78	465.9	Gabbero	Coarse grained gabbero, very minor blue+ep w/ few flecs of py. Carb in fracs
H022	465.9	467.45	Gabbero	as above w/ carb-epi-mag veins @55°. Hemetite in fracs. Few flecs of cpy ass/ w/ epi
H022	467.45	469.54	Gabbero-Andesite	Chloritized, f-gr gabbero/andesite. Some indiv.l plag x-tals being replaced w/ ep. Some larger hbl phenocryst. 20cm broken/clay alt
H022	469.54	471.36	Gabbero-Andesite	At 470m 5cm of clay alt dark area poss. Cont. dissem sulph's. Followed by more mafic and. dyke for 60cm. Chloritized. Plag x-tals show minor flow bands ~60° from C.A. angular plag x-tals bladed.
H022	471.36	473.25	Gabbero-Andesite	Chloritized. Contact at 472.95m changes to m gr Tuff (chlor'd) Gabbero as above. Few flecs of py in vein
H022	473.25	475.9	Tuff	chloritized, silicified w/ few fracs, no other alt. Mag, minor blue alt.
H022	475.9	478.04	Gabbero	Core has blue green hue. Last 60cm has lots of magnetite w/ 1%py+1%cpy. Carb in fracs

Hole	From	To	Lithology	Description
H022	478.04	480.34	Gabbero	1cm blue selvage around few carb fracs. Chloritized w/ blue alt. Few flecs of py
H022	480.34	482	Gabbero	16cm f-gr and. dyke @ 481.84m 35° from C.A=increased mag in dyke. as above w/ minor epi veins cont. 5%cpy +5%py+ hemetite. 1cm ep selvage .
H022	482	484.2	Gabbero	as above / no dyke+less py+cpy in fracs
H022	484.2	486.31	Gabbero	as above w/ 1cm bleached selvage around mag veins.
H022	486.31	488.35	Gabbero	as above w/ ep ass/ w/ mag+py+cpy in few sections. 1cm bleached selvage around veins
H022	488.35	490.4	Gabbero	Thick 18cm band of mag w/ bleached areas around contains 1%cpy+1%py. Dissem sulph's in mag band. Minor clay alt.
H022	490.4	492.16	Gabbero	1st m=increased frac+carb+infracs. Bleached around fracs. Minor cpy+py in mag vein
H022	492.16	494.28	Gabbero	Areas of incoming mag w/ minor dissem sulph's. Minor epi+minor visible py bleached around fracs.
H022	494.28	496.47	Gabbero	1cm epi selvage arounf veins. Slightly feldspath'd for 1st m. Increasing silicifiation followed by modeate magnetite
H022	496.47	498.47	Gabbero	Increased fracs. Few mag+ carb veins w/ hemetite in fracs. Chloritized
H022	498.47	500.73	Gabbero	Increasing alt, slightly brecciated. Lots of epidote+mag, vuggy.
H022	500.73	503	Gabbero	First m=slightly clay altered small 5cm andesite dyke (f-grained). Small area of mag+possibly caly alt dissem sulph's. Selvage on fracs=slightly feldspathized+bleached.
H022	503	505.15	Gabbero	as above w/ increase in clay alt. Hem in few fracs. Contains small 5cm andesite dyke=weath'd+vuggy.
H022	505.15	507.26	Gabbero	Chloritized. Large bands of mag +hemetite throughout. Clay alt=possible disseminated sulph's. Heavy
H022	507.26	509.37	Gabbero-Andesite	Bleached. Chl+carb+mag in fracs.
H022	509.37	511.58	Gabbero-Andesite	as above, slightly brecciated
H022	511.58	513.57	Gabbero-Andesite	as above w/ carb in fracs
H022	513.57	515.76	Gabbero-Andesite	Sections are bleached. Non-bleached sections=vuggy w/ hemetite replacing hbl. Chloritized sections, lotes of carb
H022	515.76	517.9	Gabbero	Some secs bleached+ incr. in silicification. 2cm section of dark caly alt dissem sulph's, very magnetic, minor py+cpy (could potentially contain more). Other sections have lots of clay alt ass/ w/ epi+mag
H022	517.9	520.3	Gabbero	Majority is bleached alternating sections of silicified - minor clay alt.Cab fracs/small veins at 65°.
H022	520.3	522.13	Gabbero	Bleached for last 40cm.
H022	522.13	524.66	Gabbero	Majority is bleached + silicified, minor clay alt in areas. Few mag veins contain minro py+cpy
H022	524.66	527 (EOH)	Gabbero	as above w/ minor incr. in cpy+py. 2%cpy+4%py in 2 minor veins. Minor clay alt possible dissem sulph's.

Hole:	H023	Dip:	-62.5°	Eastings: 347949
Depth:	527m	Azimuth:	180°	Northings: 6454400
Geologist:	Krystle Milligan	Elevation:	1000m	
Drill Hole	From (m)	to(m)	Lithology	Comments
HAT023	0	10.9	DI	6m casing; dark greenish blk coarse gr, up to 1 cm, sub-hedral augite pheno ? Alt to chl in center some pheno, some centers of pheno cont clacite. Whitish f gr plag grdm. Minor sericite alt in secs. Magnetism incr. down hole. Whisp of py, less than 1% py, incr. slightly towards end of interv.
HAT023	10.9	13	DI	frac angle does'nt have specific orientation. Green/ blk chl altered augite pheno.f gr grey grdm. Veins are calcite-albite-minor albite, no pref. orientation. incr. in k-spar alt; patchy in selvage area around veins. Where k-spar alt is present mag decrs. Pervasive whispy py in areas, as well as in veins. Minor clay in fracs. At 11 m, 12cm of mass. sulph. appears to be all py.
HAT023	13	17.4	DI	Dark green/ blk chl altered augite pheno, up to 1cm. Grey f gr grdm (plag?). Matrix more granular to end of interv. Dark, up to 3cm, xenoliths (minor amount). vlts-calcite. Minor k-spar alt in beg, dissipates t/o run. Mag incr. downhole. whsipy py conc. to vein areas, min dissem.
HAT023	17.4	18.35	Dy	Dark green/grey f gr dyke. Chilled margin present. Cal. vlts.
HAT023	18.35	22.7	DI	Dark green/blk chl altered augite pheno, up to 1cm wide. f gr grey grdm. Small wisps of py + cpy, mainly py around vein selvage areas and in vein. Minor clay in fracs.
HAT023	22.7	24.1	F	Fault breccia, many slicken lines present, very soft. Possibly talc in secs, greasy feel. Grey-light pink in color. Flooded with thinly banded carb. Vuggy in secs. Too altered to id original host rock, most likely the Diorite described above and below.
HAT023	24.1	26.83	DI	Dark green/blk chl altered augite pheno, up to 1cm, sub-hedral. f gr grey grdm. Large py vein is at the contact between DI and dyke. Calcite vlts/veins irregular due to fault zone. Minor slikenlines on fracs near beg. of interv.
HAT023	26.83	28.44	Dy	Dark grey f gr dyke, small plagioclase+mafic pheno, 1mm or less. Some fracs cont py, epi and very minor patchy k-spar in selvage area. Calcite vein has been in filled by well formed qtz x-tals.
HAT023	28.44	43.71	DI	Dark green/blk altered augite pheno, up to 0.5cm. f gr grey grdm. Sericite alt incr. near end. Minimal k-spar alt in small secs. From 31.5-32m, 33-33.47m and 42.03-48m, small faulted areas, incr.d clay alt, slicken lines, slightly brecc'd in small faulted zones. Small vuggy secs t/o. Py in fracs and few areas where py replaces entire pheno. 1 py vein at 29m, irregular angle. Calcite in fracs.

Hole	From	To	Lithology	Description
HAT023	43.71	45.09	Dy	Alter'g secs of: 1: f gr dyke w/ small mafic and plag pheno. Calcite in fracs. Second section of dyke conts 35 degree 0.6mm carb-albite vein conting 2% py. 2: 44.33-44.80m Diorite, same as described in last. small amount of cpy in carb vlts and small wisps of py.
HAT023	45.09	56.72	DI	Dark green/blk chl altered augite pheno, up to 1 cm, sub-hedral. f gr grey grdm. Minor patchy k-spar alt. Small wisp of py t/o, minor. Near k-spar alt minor cpy +py.
HAT023	56.72	57.75	F	Light green-dark green banded, fault zone with some fault gouge some py mineral. t/o. Slightly magnetic t/o.
HAT023	57.75	73.75	DI	Blk/dark green chl and (biotite in small secs) altered augite pheno, up to 1cm in size (sub-hedral). f gr grey grdm. Magnetism incr.s towards end of interv., second half is very magnetic. K-spar alt is patchy in selvage, red color; Slightly pervasive in some area's very min and weak, lighter pink. At: 66.8m, 68m: fault gauge, slicken lines, blk dirty core, incr. in py. Very minor ep in faulted areas. Py is pervasive in minor faults, present in few veins 1-5mm (all py) at 55 degrees. In faulted areas up to 0.5%cpy.
HAT023	73.75	74.31	Dy	Dark grey f gr dyke. ep in fracs and in irregular sulph-ep vein, 1.5cm thick, 60% py, 5% cpy, 35% ep, no measurable orientation. Small ep veins cont minor py+cpy.
HAT023	74.31	82.15	DI	Dark green/grey biotie+chl altered augite pheno. f gr grey grdm, sub-hedral biotite+ chl in few fracs, flakey. Irregular carb vlts. K-spar is slightly pervasive t/o, redder in secs ass/ w/ pervasive py (wispy+bleebs). 76.3m+79=large sulph veins, w/ 40% cpy 4-5cm wide, minor py. minor ep ass/cpy, 0.5% in few fracs. At 80.35m 40 cm f gr dyke, minor dissem py and carb veins.
HAT023	82.15	86.81	F	Fault gouge, minor brecc. and slicken lines, same rock type as previous with incr.d alt due to faulting. Wisps of py and cpy t/o, massive sulph areas, where mineral. in unid'able. Clay alt in these secs. K-spar alt in slightly pervasive in interv., redder, ass/ w/ epi+ wispy py. Irreg. calcite vlts t/o.
HAT023	86.81	91.9	DI	Heavily altered with ep+kspar+chl. incr.d alt and mineral. near end of interv., host rock is unrecog'able. ep is ass w/ calcite, appearing lighter green, soft, effervesce with HCL,ep present in well formed darker green x-tals. kspar is darker red and conc. in beg. of interv. netism decreases near end of interv. Mag incr'd chl and darker grey color near end of interv. Carb vlts. Cpy-py veins irregular orientations. At 89.55m 4cm, with 15% cpy, 5%py. 90.43m, 15%cpy in ep vein, minor py. Last 90cm of interv. 3-5% cpy and 3% py. sulph's also occur in irreg blebs t/o.

Hole	From	To	Lithology	Description
HAT023	91.9	95.44	Dy	Majority f gr dark grey dyke with smaller secs of poss. alt'd DI or alt'd section of the dyke with heavy alt'n from: 93.03-93.57m, 94.22-94.94m. ep alt is flooding center section of interv., this section of interv. appears to have pheno alt'd to chl+mag. K-spar alt cross-cuts ep, patchy, red color smaller amounts than ep. Magnetite alt in blebs crosscutting ep. Calcite vlts in varied orientations crosscutting everything. Mineralization is ass/ w/ ep,py wispy t/o and blebby w/ ep. and 0.5% cpy. f gr dyke rock conts cpy, irregular blebs dissem t/o.
HAT023	95.44	98.6	DI	blk/dark green very chl altered, m-c gr aguite. grdm is f gr dark grey, only visible in few places, mainly blk in color, chl+mag alt. ep alteration effects mainly grdm and patchy t/o. Vuggy in section. Small secs of pervasive clay alt. Pervasive red k-spar alt t/o effecting grdm and pheno, cross-cutting ep. Albite veins crosscut k-spar alt, irregular orientation. Calcite vlts crosscut everything, irregular orientation.1% Py wispy+bleby t/o, minor cpy t/o (0.3%).
HAT023	98.6	99.83	Dy	f gr dark grey dyke w/ small k-spar pheno. Carb vlts t/o, irregular orientation. grdm is fairly soft. Minor epi in very few fracs. Minor blebs of py, dissem t/o. secs of broken clay alt.
HAT023	99.83	103.64	DI	blk m-c gr up to 1cm augite chl alt pheno. f gr grew-blk grdm .In few secs blk mafic mildly magnetic mafic min replaces grdm, conts minor chl. Albite flooding in areas. Patchy pervasive ep alt. Pervasive red k-spar alt t/o, crosscuts ep. 1 large albite-carb vein, crosscutting k-spar alt. blebby py t/o some secs cont higher amounts overall 1.5%, 0.1%cpy sparsely dissem t/o.
HAT023	103.64	104.48	Dy	f gr grey dyke, rounded pheno replaced by py. up to 2mm, irregular calcite veinlet. Minor k-spar alt.
HAT023	104.48	108.39	DI	Blk m-c gr chl altered pheno. grdm is plag? Flooded with k-spar. Small dyke area at 106.30-106.40m f gr grey, 1% py dissem t/o. Highly pervasive, red,K-spar flooding the grdm and in places destroying phenocryst. albite veins crosscut alt, carb crosscuts alt. Py is irreg. blebs 1.5% overall, 0.2%cpy. minor cpy in 1 albite vein.
HAT023	108.39	109.59	Dy	f gr dark grey dyke. Very small plag+minor k-spar pheno. Carb vlts at irregular orientations. Minor amounts of py +cpy in veins.
HAT023	109.59	113.39	DI	Blk-dark green chl alt phenocryst. Dk grey f gr grdm. 1mm carbonate vlts crosscutting everything in random orientations. ep alt is mainly conc'd to veins, heavily overpr'd by k-spar alt. Few albite veins, some appear discont's due to k-spar alt. Int. pervasive red kspar alt that cuts through some albite veins, mainly effecting grdm, in some areas replaces everything. Py is in veins and pervasive t/o section, blebby and wisps. Minor cpy dissem t/o.

Hole	From	To	Lithology	Description
HAT023	113.39	114.57	Dy	f gr dark grey dyke. K-spar pheno. ep-py vlts at random orientations, some cont higher amounts of py . Carb vlts at random orientations crosscut everything.
HAT023	114.57	117.12	DI	Rock is intensely alt'd. Blk-dark green chl alt'd pheno, first m has intense red k-spar alt, effecting mainly grdm, the kspar crosscuts albite-carb veins, carb vlts crosscut everything. Proceeding the first m mag+chl flood the core and replace mostly everything, this section is crosscut by which in places are crosscut by minor sulph vlts. 1 carb vein conts ep in this section, irreg. orientation. Small sec around 117m is clay alt'd. Py is in veins and pervasive t/o entire interv., increasing near end, blebby 5%, cpy is mainly present near end of interv., blebs dissem, 0.5% overall.
HAT023	117.12	120.2	DI	Blk-dark green chl (minor biotite) alt. augite pheno. f gr grey grdm, incr. is plag second half of interv. K-spar alt is red and moderately intense at beginning of interv., the color becomes pink and alt dissipates as interv. continues. Albite veins crosscut k-spar alt. Mag blebs 1cm-3cm patches alters all. Py is concen'd into few veins as well minor wisps and blebs dissem t/o. very minor amount of cpy in small blebs dissem t/o, not in veins.
HAT023	120.2	141.8	DI	blk-dark green chl (very minor biotite) augite pheno. f gr grey grdm. K-spar alt is pink-red incr.s near end of interv., patchy and pervasive. ep in veins and minor patches of pervasive secs, ep crosscuts k-spar in secs and k-spar crosscuts ep in secs. In areas where there is incr.d ep there is a decr. in mag. Mag and chl intrudes in secs, not as shiny and blk as in prev. secs, higher chl content, rock is very blk in these secs. Small faults at 126.40m, 130.40m, 133.65m, 134.60m an 136.20m (average 20cm thick): fault gouge, some slikenlines, less alt around the faults, especially k-spar. Middle section of interv. has little to no veining. Albite veins have multiple orientations, overpr'd by kspar. ep veins are at various orientations, some cont carb. Carb veins range fro 1mm-15mm, appear to be late stage, some crosscut everything, some look very white and pure, vugs in few secs, random orientation. frac sets are in many orientations. variable amounts of py t/o: wisps, ragged blebs and disc's veins. Cpy very minor: small ragged blebs.
HAT023	141.8	157.91	DI	blk-dark green chl (minor biotite) alt. augite pheno, up to 1.5cm. f gr grey grdm. Dyke at 151.53-151.65m conts: small f gr dark grey, sparse augite pheno altered to chl, few plag x-tals. frac angles are in many orientations. Weak light pink kspar alt pervasively t/o mainly effecting grdm, minor patchy red more intense k-spar alt in places. Minor ep in few veins, lighter green. Minor albite fragments in some ep veins.

				Calcite vlts crosscut everything in random orientations. Some secs of mag+chl? blk secs possibly xenoliths. Py in some veins, minor dissem t/o. Minor cpy dissem t/o, at 123.5m there is a cpy vein with an ep selvage majority of cpy is concentrated in and around this area. From 123.5-end of interv., sulph content incr.s 1% cpy or less and 1%py in last section of interv.. at 154.5m 10cm of 30%cpy and 40%py with intense mag.
Hole	**From**	**To**	**Lithology**	**Description**
HAT023	157.91	158.95	Dy	Dark grey f gr dyke. Plag pheno, minor augite. Some pheno replaced by py. Carb vlts discont. an cont. cut through all. Chl-ep veins: ep+sulph is in center of vein being enveloped by chl, sulph is veins is mainly cpy(20%) minor py.
HAT023	158.95	162.9	DI	Blk-dark green coarse, up to 1.5cm chl alt. f gr grey grdm. Slightly pervasive patchy k-spar alt effecting mainly grdm. ep veins cont some carb cont'ing up to 5-10% cpy. sulph veins cont up 80% cpy and 5%py, 15% chl. Carb vlts crosscut everything at various orientations. Cpy is mainly concen'd to veins, with minor wisps/blebs dissem t/o. Minor py in veins and trace dissem.
HAT023	162.9	164.46	Dy	Dark grey f gr dyke, Cpy+py dissem t/o, roughly circular blebs. ep vein conts 1%cpy.
HAT023	164.46	189.18	DI	Blk/Dark green chl altered augite pheno. f gr dark grey grdm. Many dark grey-blk xenoliths. Small faults at 179.35m, 185m, 185.5m and187.5m: Fault gauge (minor), slikenlines. Few small secs of light green/blue harder than a fingernail, softer than a scribe, slightly greasy opaque, anhydrite? feldspathoid? Weaker pervasive light red/pink color, only effecting the grdm. Albite decreases as interv. continues, in veins and patchy secs of grdm, second half of interv. albite is mainly confd to veins. Few ep veins in beginning of interv. Calcite vlts, few larger ones (4mm) crosscut everything at various orientations. Minor py in discont. veins-wisps, slightly dissem and trace cpy-blebs.
HAT023	189.18	196.9	F	Fault zone: fault breccia lots of fault gouge, many slikenlines , with some more competent pieces heavily alt'd and overpr'd by kspar or heavily alt'd by k-spar, they do not occur together; these pieces would be unrecog'able with out neighboring diorite. Inconsistent magnetics t/o interv. Majority is to alt'd and gouged to distinguish sulph's, in more competent pieces cpy and py are visible, gouge appears to have f gr mineralization. Probably conts higher % sulph's than mentioned in log.
HAT023	196.9	209.3	DI	Blk-dark green chl altered augite (minor biotite) pheno. f gr grey grdm. In 80% of fracs, majority of natural breaks cont slikenlines. Pervasive red k-spar alt patchy t/o. In beginning of section large 75cm section of highly alt'd ep rock ass/ with blue alt (scratches w/ a

				steal nail); ep is present in veins crosscutting the kspar alt. ep veins are crosscut by veins: blue grey+soft mineral? Carb vlts crosscut all many orientations. chl+ mag alt flooded in certain areas. White bluish grey very soft semi-transl. mineral flooding area's sericite? Cpy is ass/ w/ ep alt, large ep section in beginning of interv. conts 3% cpy and 5% py. Py is lightly dissem t/o in ragged blebs, and in minor secs of veins.
Hole	**From**	**To**	**Lithology**	**Description**
HAT023	209.3	211.57	DI	Extremely alt'd DI, very small secs With pervasive k-spar alt, effecting grdm. Few augite pheno alt'd to chl. Maj. of core is flooded w/ mag+chl altering all. Py in discont. veins (minor cpy) crosscut mag+epi alt. in various orientations. Minor calcite veins cross cut everything in various orientations. Few calcite veins cont light purple mineral? softer than scribe, harder than fingernail, veins conting purple alt crosscut through cpy. Py dissem t/o in blebs, discont. blebs and ragged wisps. Cpy is chunky, larger blebs up to 5cm as well as in wisps. Slightly brecc'd near end of interv., last 50cm, broken and minor clay alt, small fault.
HAT023	211.57	224.39	DI	Very coarse, up 1cm, blk-dark green chl alt'd pheno. grdm is completely altered to k-spar and ep. Few mafic xenoliths, very chl altered t/o interv. Beg. of interv. has intense 5 epi+5 kspar alt (first m). ep alt is patchy and pervasive t/o and present in veins. K-spar alt is pervasive t/o crosscutting ep in secs, begins a dark red and fads to a peach color near end of interv. Magnetite is strong t/o interv., at 220.3m: 15cm section of magnetite, w/ minor ep w/ 10% cpy in blebs and chunks, 1% py in section, very heavy. From 212.40m-215m. fault breccia, minor slicken lines, core is weaker clay altered in secs. ep veins cont calcite, some cont cpy/py. Few chl py veins at irregular orientation. Calcite vlts cross-cut all at various orientations. Py is present in veins up to 50% in few veins, as well dissem t/o, fr and blebby. Cpy in ep veins and blebby t/o, minor dissem.
HAT023	224.39	226.68	F	Fault zone : gouge, slikenlines fault breccia. Alt'n and rock type similar to last section with incr.d ep, incr. in seriate. Carb crosscuts all in various orientations. Cpy t/o, higher concentrations ass/ ep. Minor py dissem t/o.
HAT023	226.68	237.17	DI	chl (minor biotite) altered coarse up to 1cm augite pheno. f gr grey grdm. Pervasive patchy peach k-spar , few vlts cont k-par-chl-carb at various orientations . Minor chl-py (no cpy) vein crosscut by ep vein (conts cpy no py). Albite-blue, seritisized in grdm and in minor amount of veins with ep. Many carb vlts crosscut all in various orientations. vuggy in secs. Minor xenoliths some look more mafic, some appear the same composition as DI, equigranular and cont red

				mineral replacing indiv. pheno (hematite?) Red mineral /alt replacing indiv. pheno is t/o diorite in interv. Py alt in veins and dissem t/o in wisps. Minor cpy ass with ep alt.
Hole	**From**	**To**	**Lithology**	**Description**
HAT023	237.17	239.24	F	Fault: Same rock type as last with incr. in ep alt. Fault gouge, slicken lines, rock is very broken. Py and cpy as/ with epi. Less magnetic. Hard to det. py +cpy due to alt. and movement.
HAT023	239.24	266.97	DI	blk-dark green Chl altered (minor biotite) pheno. f gr grey grdm. Few individual phenocryst altered to red, hematite? Ankerite vein well developed calcite x-tals on the outside and ankerite in the center, transl. peach x-tals. Minor pervasive k-spar, patchy. ep alt in few veins. 240.50-240.70m small f gr dark grey dyke. Some albite veins are being alt'd to sericite and cont minor carb. Albite crosscuts ep veins. Carb various vlts crosscut all. Minor chl veins at various orientations. Minor cpy ass w/ ep. minor wispy py in fracs.
HAT023	266.97	270.62	Dy	f gr dyke white plag long bladed pheno, larger in the center of the interv., 1-2, up to 3mm becoming wider as they lengthen. incr. in pervasive sericite alt. Peachy-brown patchy k-spar alt in matrix, chilled margin at the contact. Albite veins cross cutting. Pink-ankoritic vlts in few areas, in random orientations. Carb-vlts in random orientations. Minor cpy in ep veins, minor py in chl+carb vlts.
HAT023	270.62	284.67	DI	Blk-dark green chl altered pheno. f gr dark grey-blk grdm. Minor faulting at: 278.7m, 282.36m, 283.45m: Mostly fault gouge, minor slikenlines. At 282.62-282.95m intense pervasive k-spar alt, crosscut by an ep vein-spar is red, patchy and intense t/o. Many areas the original rock texture of the rock is undistinguishable. Albite floods certain areas, some areas appears to be altering to sericite/illite, also in irregular-regular veins. secs of massive mag, where alt'n is the highest, secs where kspar is present/original rock texture is present mag is less. Chl alt effects pheno and grdm in areas with high alt'n, some ass/ w/ mag. ep occurs in veins and cpy is ass/ w/ these areas. ep vlts are crosscut by carb vlts at various orientations Py is present in some ep veins, wispy blebs patchy t/o, patches quite concent'd. Cpy is more abundant than py, appears in ep veins and blebs pervasive t/o; some secs have high concent'n. Certain secs have up to 10% over 10cm.
HAT023	284.67	293.83	DI	chl (minor biotite) altered coarse up to 1cm augite pheno. f gr grey grdm. Small mafic xenoliths, crosscut by carb veins. slikenlines on few fracs. Albite in some veins, and minor amounts in grdm slightly altering to sericite? few pheno compl. alt'd to red hematite. Pervasive patchy peach k-spar, effecting grdm. ep

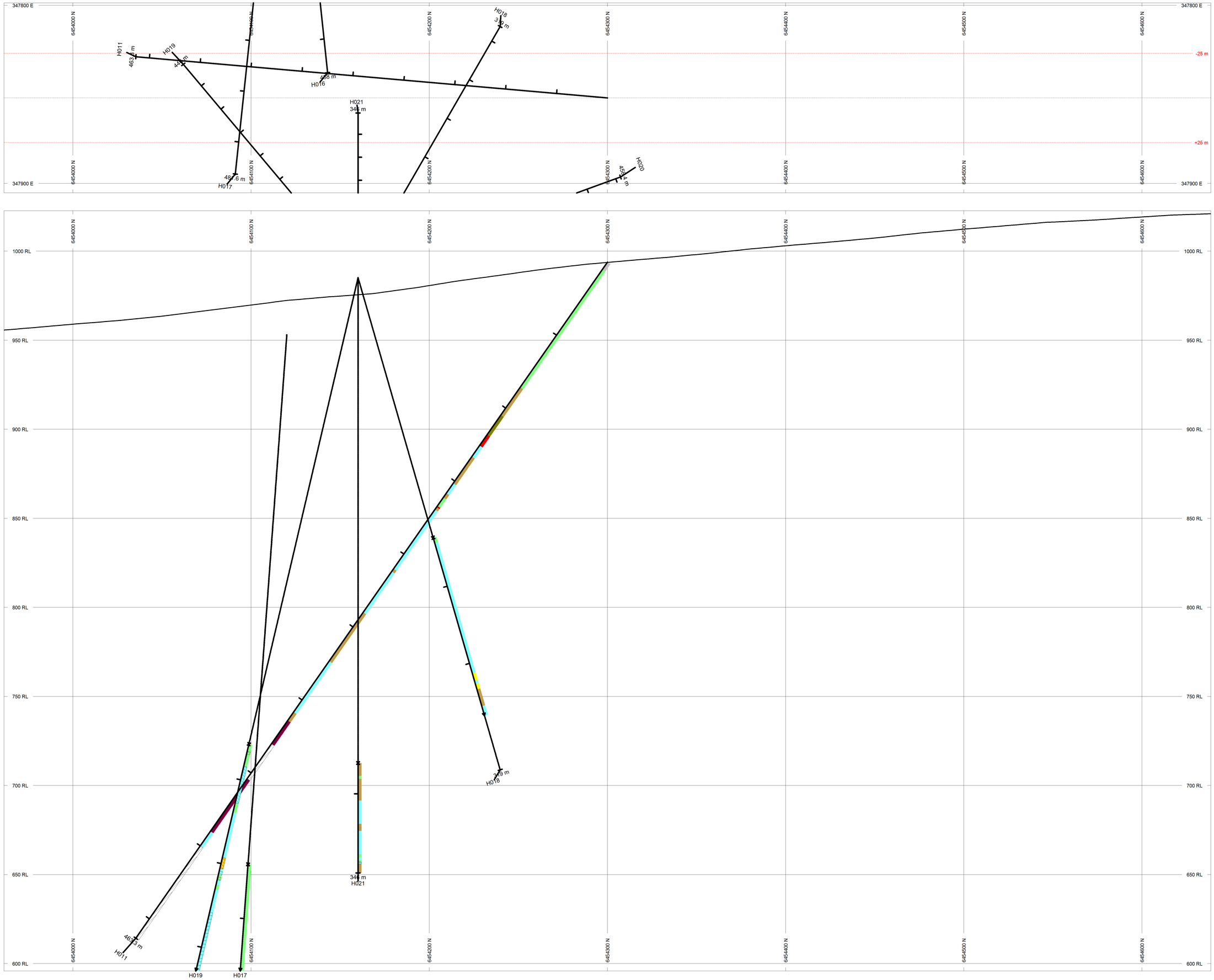
				present in veins some discont., crosscut by carb vlts, some conting chl. mag alt'g rock with chl in some secs masking text's of rock. py dissem in wisps and in veins, mainly carb+ep. Cpy in blebby in carb+epi veins.
Hole	**From**	**To**	**Lithology**	**Description**
HAT023	293.83	304.72	DI	blk, dark green chl alt'd augite phenocryst. pheno appear crowded in secs but sparser in secs where chl+mag flood the rock. Patchy peach k-spar pervasive in grdm, being overpr'd by mag+chl; in some secs near veins k-spar is red. Albite in veins being sericitized. ep veins cont minor chl and carb, crosscut k-spar and albite veins. Carb vlts crosscut all. py is wisps and blebs dissem t/o as well as in veins and grdm. cpy in larger blebs in ep veins minor dissem, sparse.
HAT023	304.72	308.38	Dy	Poss. margin of dyke: f gr no visible pheno. In and out of dyke, with altered DI, same as last section, with incr'd chl+mag. Some secs extremely alt'd with mag+chl. At 307.58m: 17cm of fault gouge and calcite. In secs where DI is present, light pink kspar alt. Py + C py cuts through everything, cpy is in veins and larger ragged blebs, py in fills between x-tall boundaries: wispy. chl veins mainly have high amounts of py+cpy, few veins have no mineral; appear as vlts as veins, various orientations, some are discont.
HAT023	308.38	314.7	DI	blk-dark green chl+biotite altered augite pheno. f gr grey grdm. At 311.30m: 5cm section of massive cpy+mag, mag concentrated around margin + mildly t/o. Minor pink patchy k-spar alt. Albite veins crosscut k-spar.Carb vlts crosscut all, hematite vlts crosscut carb vlts; both in various orientations. Cpy+py vein range from veinlet to 5cm, ratio from cpy:py in inconsistent, average angle doesn't relate to all veins. Py+cpy occurs in veins as well as wisps dissem t/o.
HAT023	314.7	315.58	Dy	f gr dark grey dyke, small plag pheno (few sericite alt'd), many pheno are replaced with cpy. Chl vlts at various directions are crosscut by carb vlts: both at various directions. Minor k-spar alt. Small patch of albite in middle of interv. Contact not distinct. cpy is veins and in replacing pheno., very minor py t/o.
HAT023	315.58	335.88	DI	blk-dark green chl increasing in biotite altered augite pheno, finning down hole. f gr lighter grey grdm, minor sericite alt near end of interv. Patchy pervasive k-spar, peach color, in beg. of interv. small secs of red k-spar alt overprint flooded albite areas. ep is concent'd to veins, random orientation, crosscutting k-spar alt, decr towards end of interv. Minor faults: 317.50m, 321.60m. fault gouge, slicken lines. 330.50m, for 30cm: competent with roll breccia, calcite infill. Last 30cm inter-fingering f gr dyke rock described in following section. Albite flooding grdm in patches. chl vlts sometimes ass/ calcite vlts random orientations, crosscutting all. Mag alt overprints all fabrics, flooding

				small areas. py is in veins and wispy dissem t/o. cpy in ep veins and blebby dissem t/o, some secs infill grdm, few discontinuous veins, higher percentage near beginning and end of interv..
Hole	**From**	**To**	**Lithology**	**Description**
HAT023	335.88	336.8	Dy	f gr dark grey with sparse circular, plag pheno, some altering to sericite. Blotches of chl. Few ep vlts ass/ with chl in various directions, crosscut by carb vlts. Thin py veins, minor cpy ass/ ep.
HAT023	336.8	354.82	DI	blk-dark green chl+biotite altered pheno, less coarse than beginning of hole w/ incr. in biotite. f gr grey grdm. Slickenlines on few frac surfaces. Patchy pervasive k-spar effecting grdm. ep in veins cuts through k-spar, and albite veins . Albite in veins and in selvages of carbonate veins and mag vlts. Mag vlts cut through ep. at 350.7m: 48m of albite/mag flooding, carb cuts through this area. Some carb veins have pink color, ankortie. py in mag veins, minor blebs, wisps dissem t/o. cpy is mag+ep veins, wisps in fracs, blebs dissem t/o.
HAT023	354.82	370.9	DI	pheno becoming smaller, very crowded, blk-dark green chl+biotite alt augite. Minor slicken lines on some surfaces. Minor pervasive k-spar alt patchy secs ep concentrated in veins: at 358.76-358.90m 367.40-367.89m massive veins of ep; both cont blebs of cpy (10%); ep crosscuts albite veins; epi veins range from 1mm-45cm Mag+chl flood certain secs, masking original, in random orientations, sometime cont mag+chl. fabric. Albite in veins and flooding minor secs, some seriticized. carb vlts crosscut all. Minor hematite in few fracs. Py is in blebs, few secs highly concent'd but sparse t/o interv., slightly decrease towards end of interv. Cpy concentrated in ei veins, blebs, minor amounts in albite veins and dissem t/o.
HAT023	370.9	381.55	DI	Heavily altered by mag+chl, masking fabric and alt, few secs where original rock type is present, DI, same as last. Faulted secs at: 371m, slicken lines, minor fault gouge. Few secs near end of interv. cont red kspar, and ep veins. carb vein cuts through all. Albite in few veins, random orientations and flooding some secs of grdm, slightly seriticized. Some individual pheno replaced by hematite. Cpy in epi veins, and minor dissem t/o in blebs. Py in blebs and some veins dissem t/o.
HAT023	381.55	384.56	Dy	Dark grey f-gr dyke, crowded plag (some seritiized) pheno inter-fingered with DI described in previous section. Few secs are flooded with mag. Margins are slightly gradational. Fault gauge present at 382.1m. Carb vlts crosscut ep veins. Minor sulph present, py +cpy (more cpy than py) slightly dissem t/o in blebs.

Hole	From	To	Lithology	Description
HAT023	384.56	397.4	DI	Blk-dark green chl alt augite pheno. Light grey grdm. Minor faulting at 395m: fault gouge and slikenlines. Mag is patchy ass with chl. K-spar peach, slightly pervasive, likely overpr'd by albite and mag. ep veins crosscut through k-spar. Albite floods grdm in areas and is present in veins crosscutting k-spar. ep and albite crosscut chl vlts. carb vlts crosscut all. Hematite in few fracs. Py in blebs dissem t/o, minor amounts in few chl vlts, ep, albite veins. Cpy in ep veins, minor blebs dissem t/o.
HAT023	397.4	398.5	DI	Same rock type as previous with alt changes, minimal sulph's. Mag-chl vlts crosscut k-spar. Carb vlts crosscut everything. grdm effected by peach pervasive k-spar, and albite. Trace sulph's, unidentifiable.
HAT023	398.5	400.27	DI	1 small section from: 399.60-399.70m same rock type as previous interv., the rest of interv. is heavily altered by chl +mag, overprinting all original fabrics and previous alt. Few ep veins being crosscut by mag-chl alt. carb vlts crosscut all. Minor cpy+ py in blebs and in ep veins and minor amounts dissem.
HAT023	400.27			

Appendix 3b

Geological and Analytical Sections



HOLES PLOTTED

TOTAL 5

H011 H017 H018 H019 H021

ROCK CODES	PAT	LABEL	DESCRIPTION
Lithology		DIO	Diorite
		Andesite	Andesite
		Andesite- Diorite	Andesite-Diorite
		Andesite-Fault	Fault - Andesite
		Andesite-Tuff	Andesite-Tuff
		Andesite-Tuff-Diorit	Andesite-Tuff-Diorite
		Breccia-Tuff	Breccia-Tuff
		Fault	Fault
		Fault-Andesite	Fault - Andesite
		Fault-Gabbero	Fault-Gabbro
		Fault-Gabbero	Fault-Gabbro
		Fault-Tuff	Fault - Tuff
		Fault?-Tuff	Fault (?) - Tuff
		Gabbero	Gabbro
		Gabbero-Tuff	Gabbro-Tuff
		Lapilli Tuff	Lapilli Tuff
		Mafic Tuff-Gabbero(?	Mafic Tuff-Gabbro
		N/C	No Core
		OVB	Overburden
		Ryolite/Dacite	Ryolite/Dacite
		Sedimentary unit	Sedimentary Unit
		Syenite	Syenite
		Tuff	Tuff
		Tuff	Tuff
		Tuff-Andesite	Tuff-Andesite
		Tuff-Diorite	Tuff-Diorite
		Tuff-Diorite(?)	Tuff-Diorite (?)
		Tuff-Gabbero(?)	Tuff-Gabbro (?)
		Tuff-Mafic	Mafic-Tuff
		Tuff/Ryolite	Tuff-Ryolite
		Gabbro	Gabbro
		Mudstone	Mudstone

SECTION SPECS:

REF. PT. E, N	347852 m	6454300 m
EXTENTS	677.4 m	426.8 m
SECTION TOP, BOT	1023 m	595.9 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

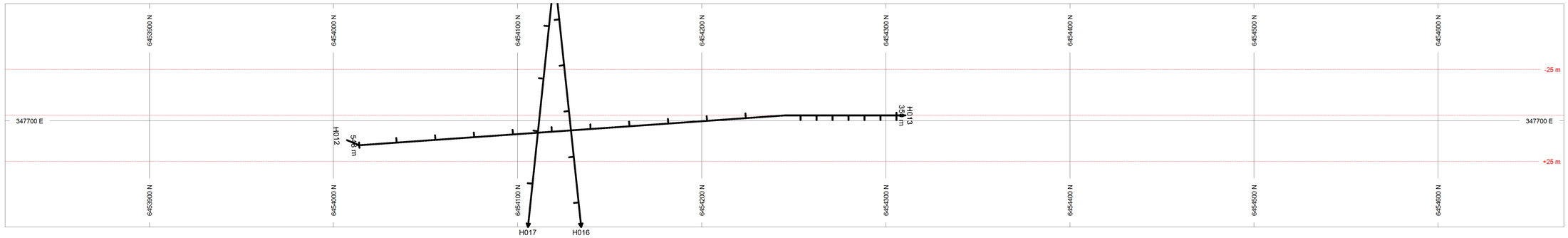
N W E S

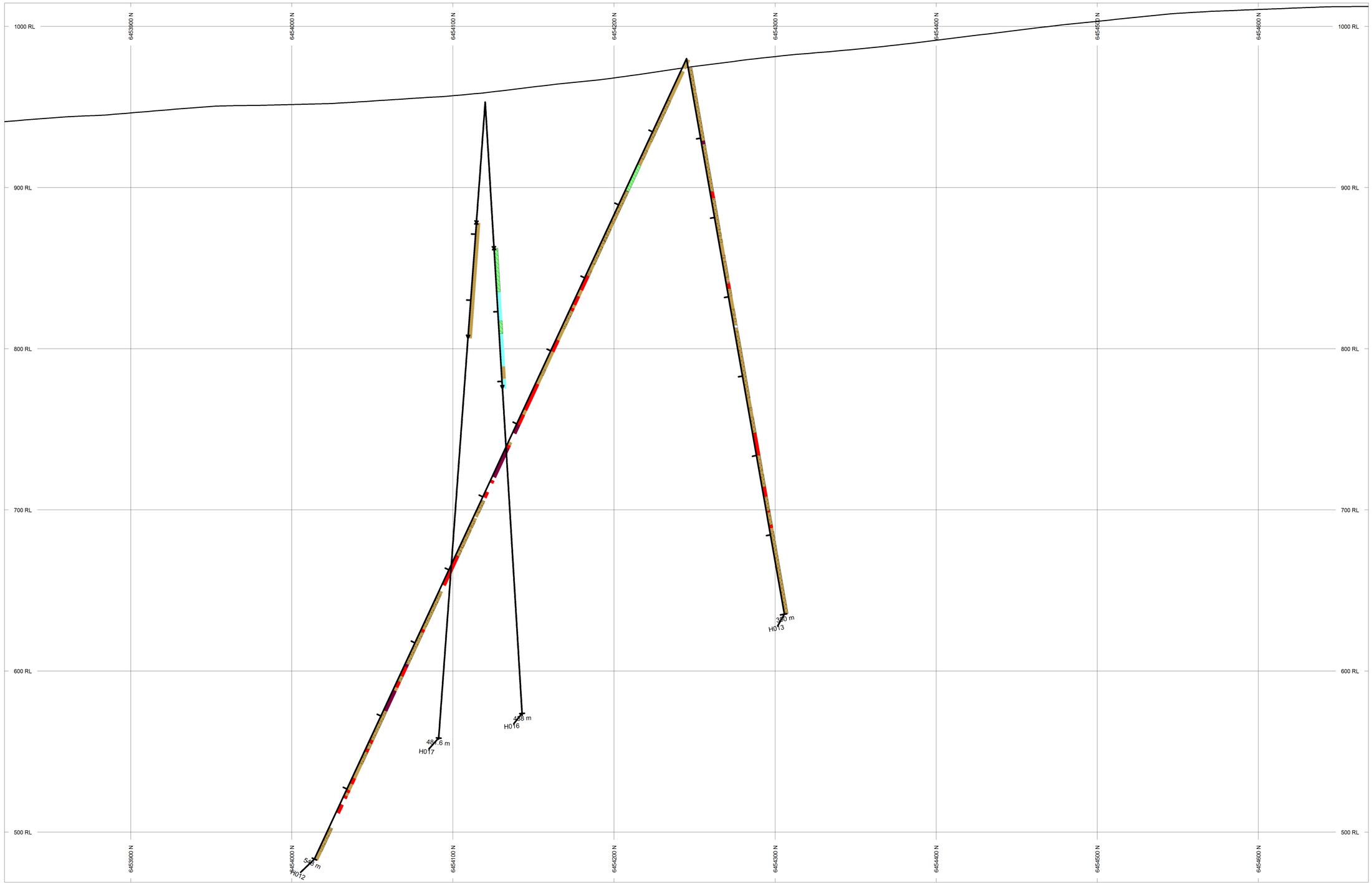
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 011

Lithology





HOLES PLOTTED

TOTAL 4

H012 H013 H016 H017

ROCK CODES Lithology	PAT	LABEL	DESCRIPTION
		?	?
		Andesite	Andesite
		Andesite-Fault	Fault - Andesite
		Andesite-Tuff	Andesite-Tuff
		Breccia	Breccia
		Diorite-Tuff	Diorite-Tuff
		Fault	Fault
		Fault-Tuff	Fault - Tuff
		Gabbero	Gabbro
		Lapilli Tuff	Lapilli Tuff
		N/C	No Core
		OVB	Overburden
		Sheslay	Sheslay Redstock
		Sheslay?	Sheslay Redstock (?)
		Syenite	Syenite
		Tuff	Tuff
		Tuff-Andesite	Tuff-Andesite

SECTION SPECS:

REF. PT. E, N	347697 m	6454245 m
EXTENTS	846.8 m	545.6 m
SECTION TOP, BOT	1015 m	468.9 m
TOLERANCE +/-	25 m	

SCALE 1 : 1250

(m)

-10 0 10 20 30 40 50 60

*unknown

AZIMUTH = 0°

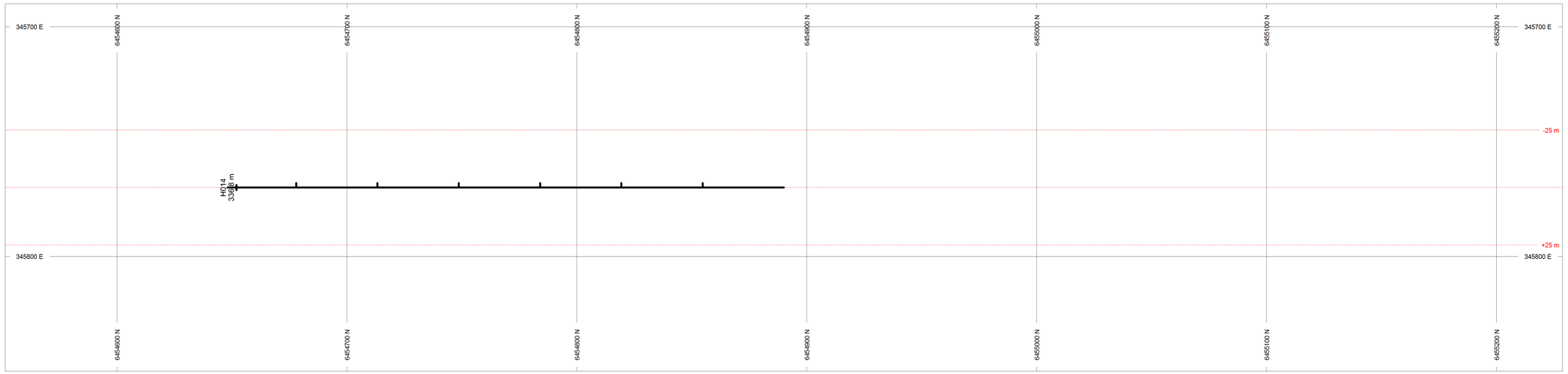
N W E S

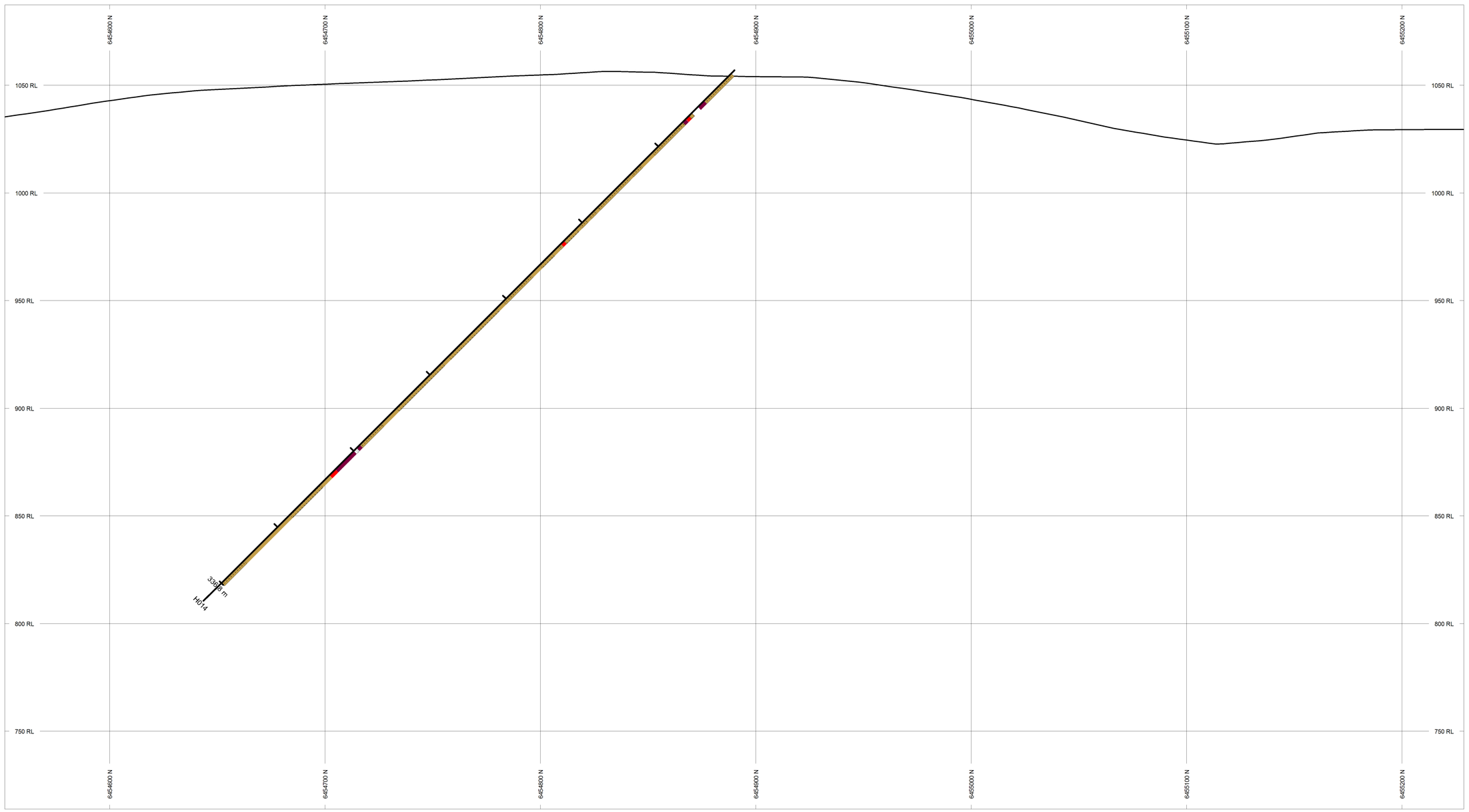
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 012, H013

Lithology





HOLES PLOTTED

TOTAL 1

H014

ROCK CODES	PAT	LABEL	DESCRIPTION
Lithology		?	?
		Fracture	Fracture
		Lapilli Tuff	Lapilli Tuff
		Sheslay	Sheslay Redstock
		Syenite	Syenite
		Tuff	Tuff

SECTION SPECS:

REF. PT. E, N	345770 m	6454890 m
EXTENTS	677.4 m	373.5 m
SECTION TOP, BOT	1087 m	713.9 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

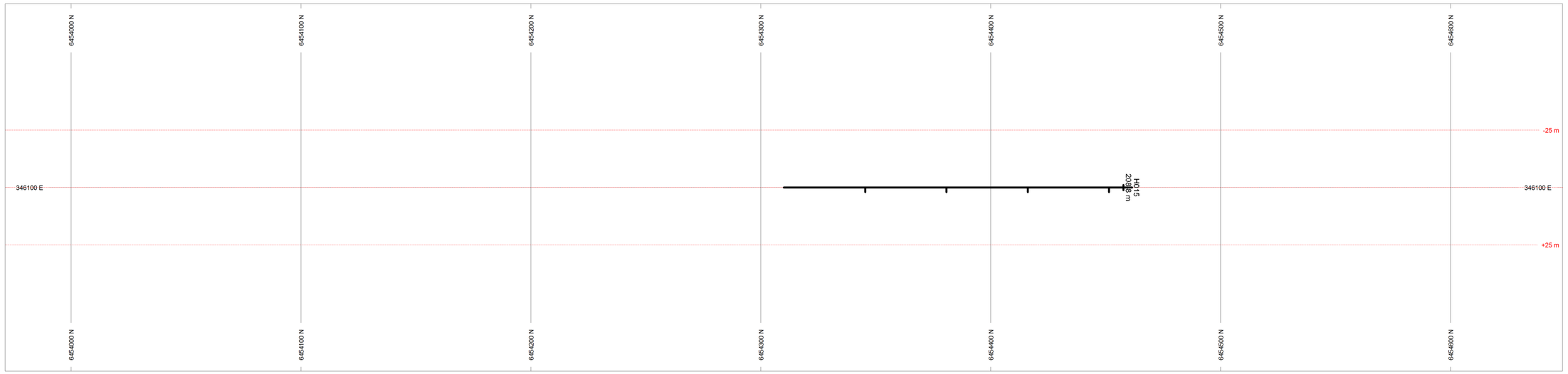
N W E S

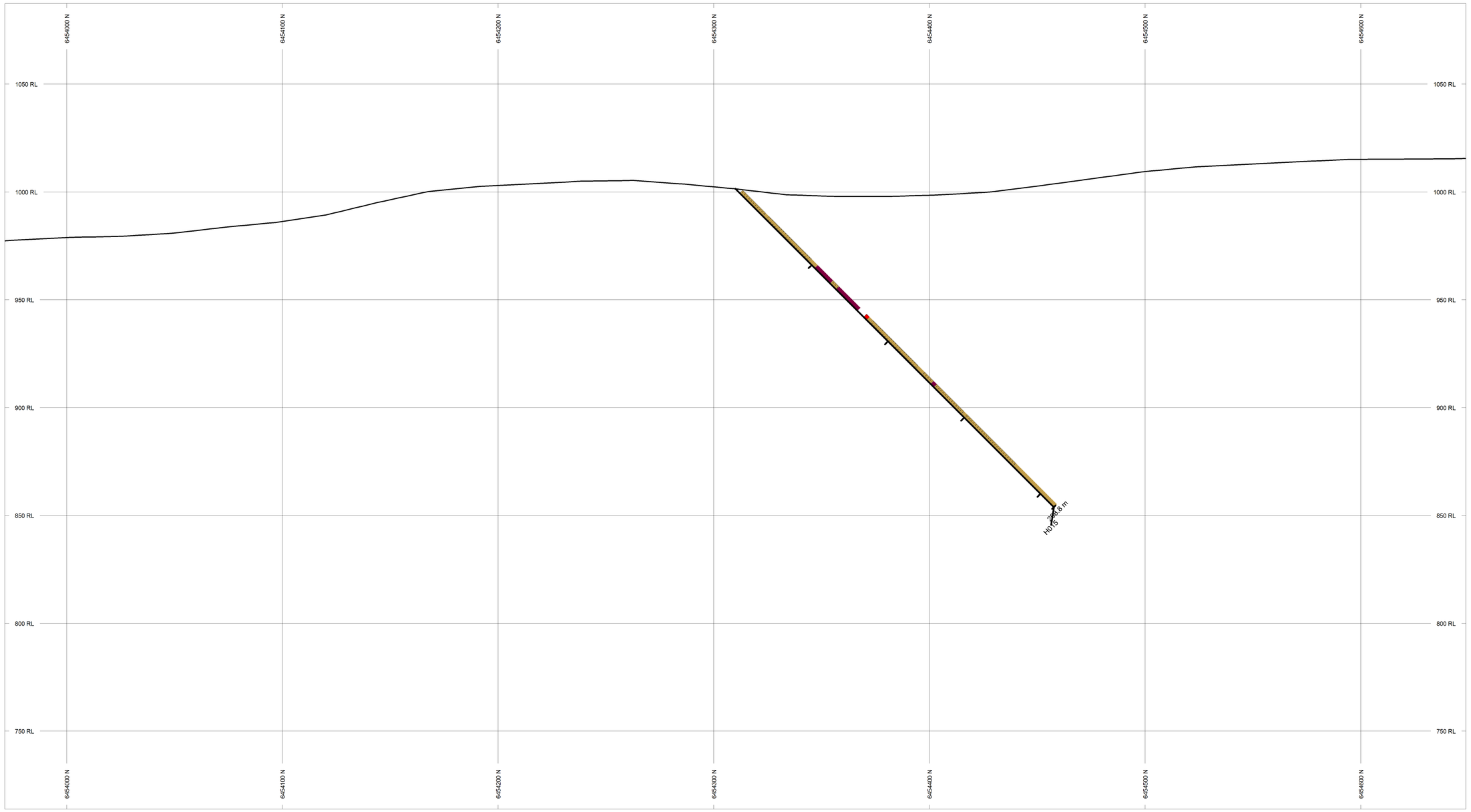
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 014

Lithology





HOLES PLOTTED

TOTAL 1

H015

ROCK CODES	PAT	LABEL	DESCRIPTION
Lithology		?	?
		Fault	Fault
		Lapilli Tuff	Lapilli Tuff
		Syenite	Syenite
		Tuff	Tuff

SECTION SPECS:

REF. PT. E, N	346100 m	6454310 m
EXTENTS	677.4 m	373.5 m
SECTION TOP, BOT	1087 m	713.9 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

N

W E

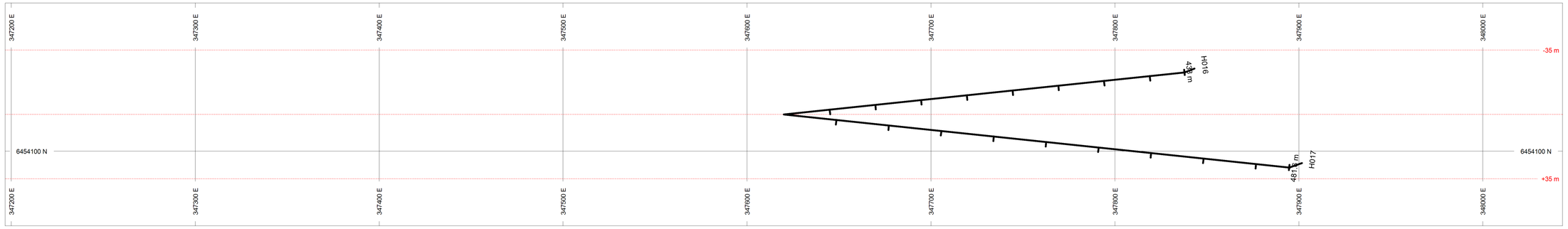
S

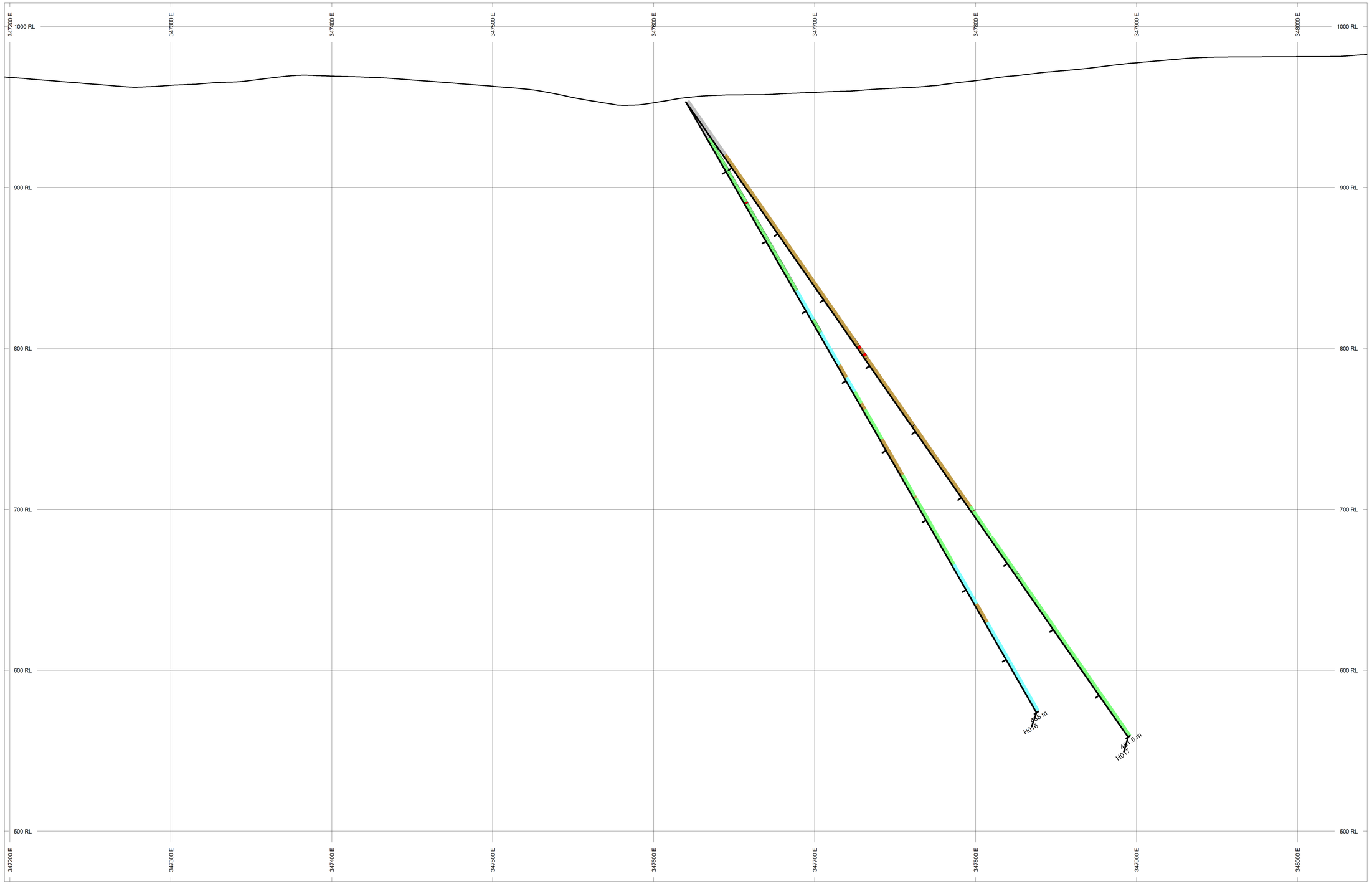
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 015

Lithology





HOLES PLOTTED

TOTAL 2

H016 H017

ROCK CODES	PAT	LABEL	DESCRIPTION
Lithology		Andesite	Andesite
		Andesite-Fault	Fault - Andesite
		Fault	Fault
		Fault-Tuff	Fault - Tuff
		Gabbero	Gabbro
		N/C	No Core
		OVB	Overburden
		Tuff	Tuff
		Tuff-Andesite	Tuff-Andesite

SECTION SPECS:

REF. PT. E, N	347620 m	6454120 m
EXTENTS	846.8 m	545.6 m
SECTION TOP, BOT	1015 m	468.9 m
TOLERANCE +/-	35 m	

SCALE 1 : 1250

(m)

-10 0 10 20 30 40 50 60

*unknown

AZIMUTH = 90°

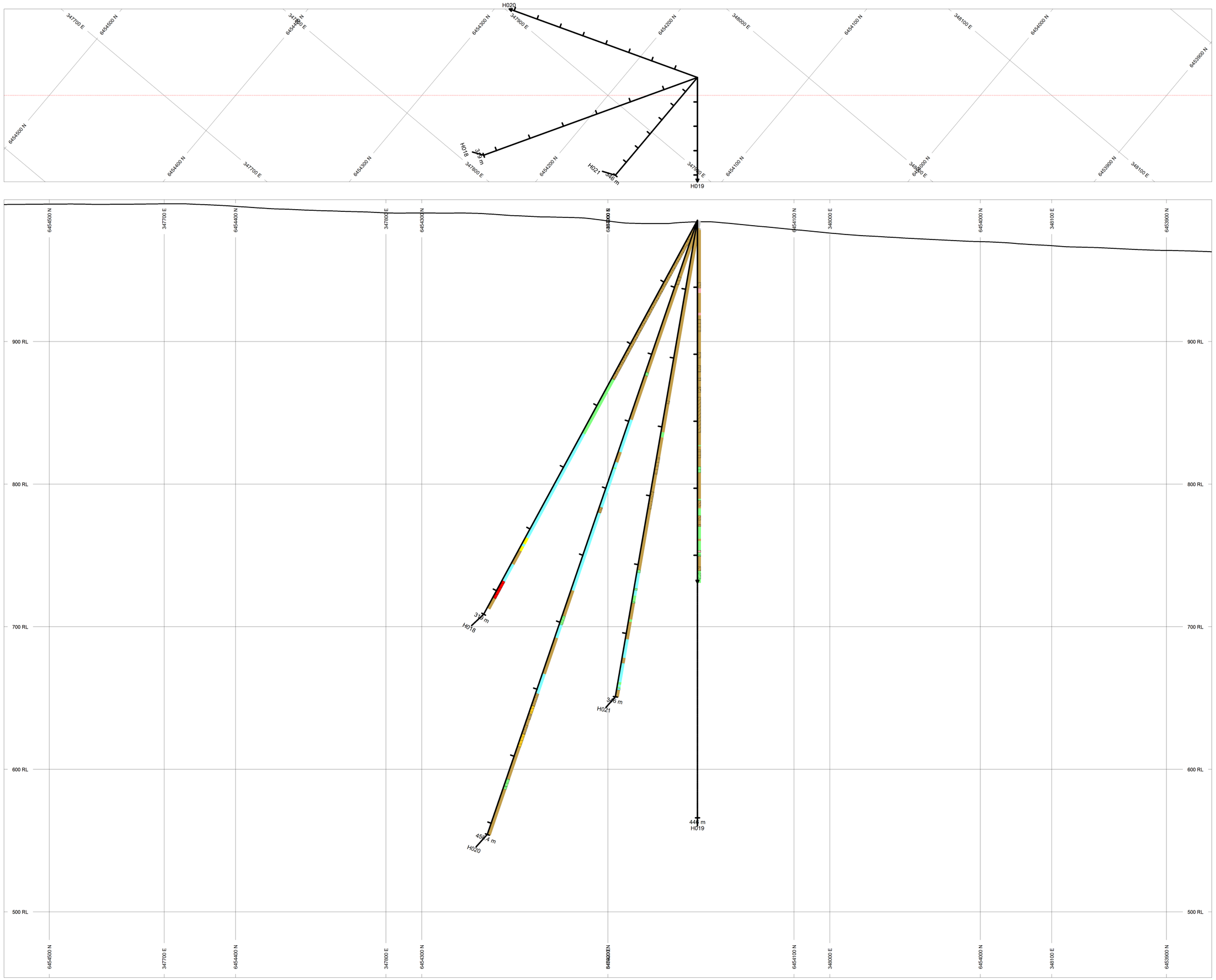
N W E S

Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 016, H017

Lithology



HOLES PLOTTED

TOTAL 4

H018 H019 H020 H021

ROCK CODES	PAT	LABEL	DESCRIPTION
Lithology		Andesite	Andesite
		Andesite- Diorite	Andesite-Diorite
		Andesite-Tuff	Andesite-Tuff
		Andesite-Tuff-Diorit	Andesite-Tuff-Diorite
		Breccia-Tuff	Breccia-Tuff
		Fault	Fault
		Fault-Andesite	Fault - Andesite
		Fault-Gabbero	Fault-Gabbro
		Fault-Gabbero	Fault-Gabbro
		Fault-Tuff	Fault - Tuff
		Fault-Tuff-Mafic	Fault - Tuff - Mafic
		Fault?-Tuff	Fault (?) - Tuff
		Gabbero	Gabbro
		Gabbero-Tuff	Gabbro-Tuff
		Lapilli Tuff	Lapilli Tuff
		Mafic Tuff	Mafic Tuff
		Mafic Tuff-Gabbero(?	Mafic Tuff-Gabbro
		OVB	Overburden
		Ryolite/Dacite	Ryolite/Dacite
		Sedimentary unit	Sedimentary Unit
		Tuff	Tuff
		Tuff	Tuff
		Tuff-Andesite	Tuff-Andesite
		Tuff-Diorite	Tuff-Diorite
		Tuff-Diorite(?)	Tuff-Diorite (?)
		Tuff-Gabbero(?)	Tuff-Gabbro (?)
		Tuff-Mafic	Mafic-Tuff
		Tuff/Ryolite	Tuff-Ryolite

SECTION SPECS:

REF. PT. E, N	347900 m	6454200 m
EXTENTS	846.8 m	545.6 m
SECTION TOP, BOT	999.6 m	453.9 m
TOLERANCE +/-	80 m	

SCALE 1 : 1250

(m)

-10 0 10 20 30 40 50 60

*unknown

AZIMUTH = 140°

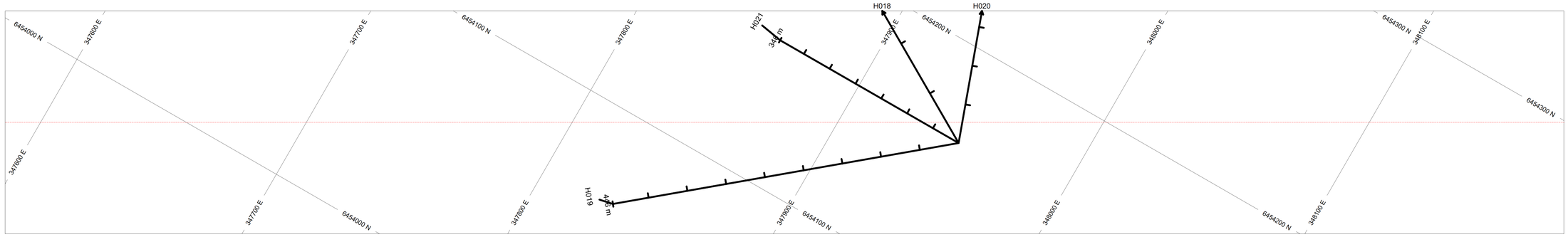
N W E S

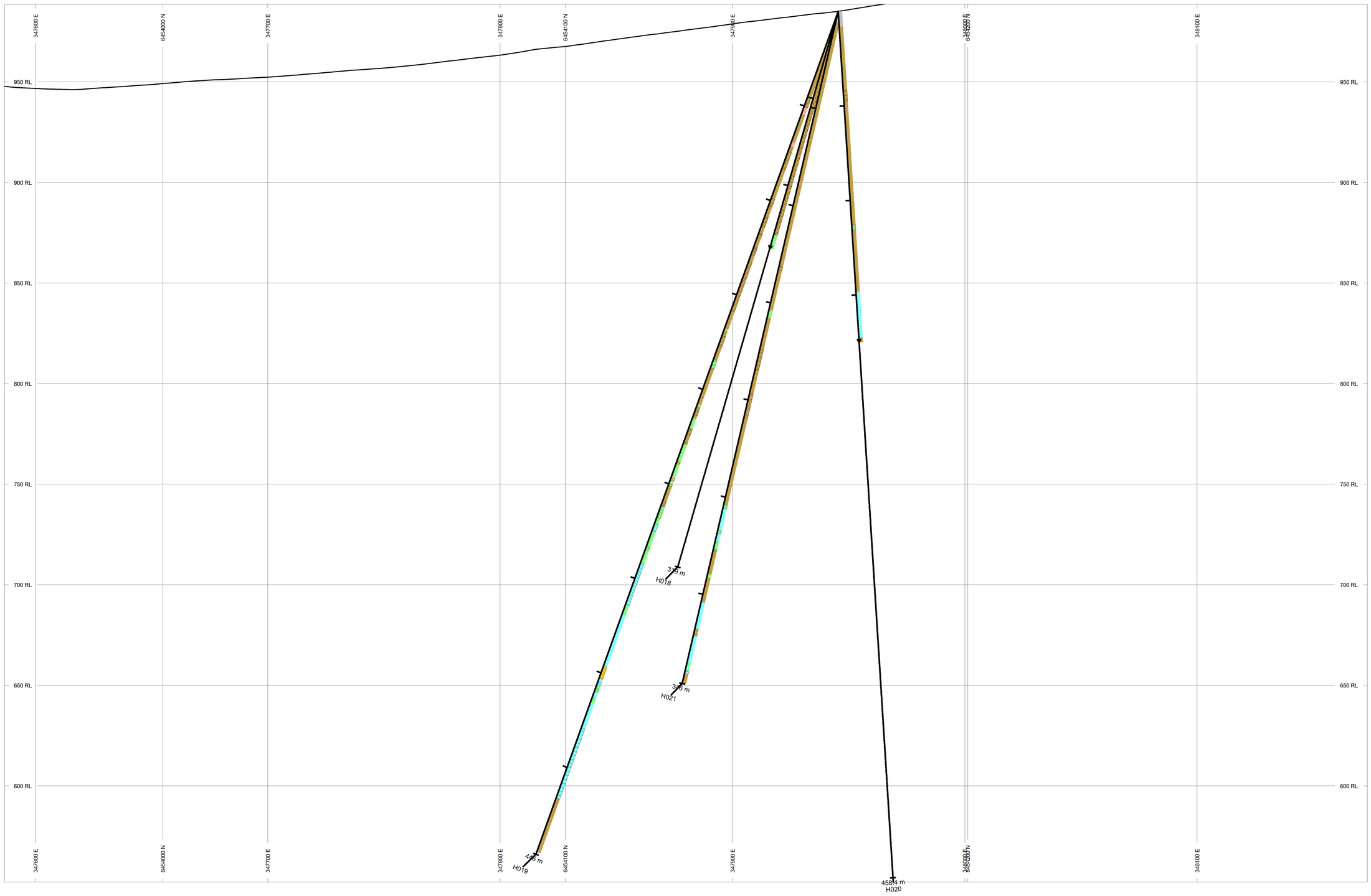
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 018, H020

Lithology





HOLES PLOTTED

TOTAL 4

H018 H019 H020 H021

ROCK CODES	PAT	LABEL	DESCRIPTION
Lithology		Andesite	Andesite
		Andesite- Diorite	Andesite-Diorite
		Andesite-Tuff	Andesite-Tuff
		Andesite-Tuff-Diorit	Andesite-Tuff-Diorite
		Breccia-Tuff	Breccia-Tuff
		Fault	Fault
		Fault-Andesite	Fault - Andesite
		Fault-Gabbero	Fault-Gabbro
		Fault-Gabbero	Fault-Gabbro
		Fault-Tuff	Fault - Tuff
		Fault-Tuff-Mafic	Fault - Tuff - Mafic
		Fault?-Tuff	Fault (?) - Tuff
		Gabbero	Gabbro
		Gabbero-Tuff	Gabbro-Tuff
		Lapilli Tuff	Lapilli Tuff
		Mafic Tuff	Mafic Tuff
		Mafic Tuff-Gabbero(?	Mafic Tuff-Gabbro
		OVB	Overburden
		Ryolite/Dacite	Ryolite/Dacite
		Sedimentary unit	Sedimentary Unit
		Tuff	Tuff
		Tuff	Tuff
		Tuff-Andesite	Tuff-Andesite
		Tuff-Diorite	Tuff-Diorite
		Tuff-Diorite(?)	Tuff-Diorite (?)
		Tuff-Gabbero(?)	Tuff-Gabbro (?)
		Tuff-Mafic	Mafic-Tuff
		Tuff/Ryolite	Tuff-Ryolite

SECTION SPECS:

REF. PT. E, N	347880 m	6454130 m
EXTENTS	677.4 m	436.5 m
SECTION TOP, BOT	988.6 m	552.1 m
TOLERANCE +/-	50 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 60°

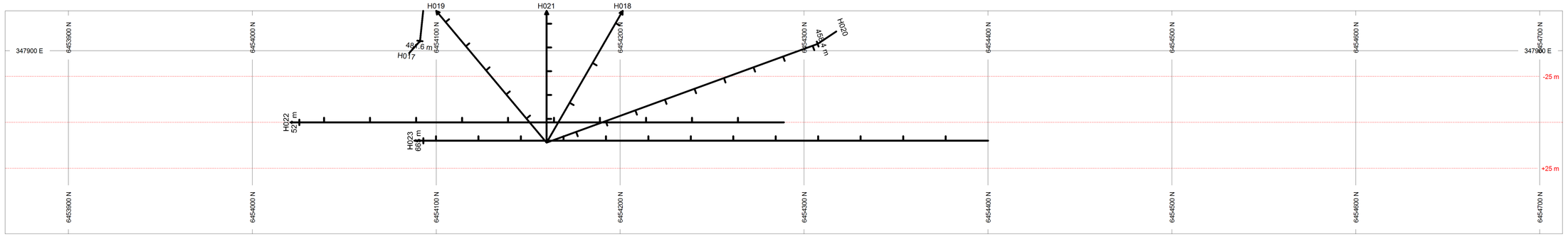
N W E S

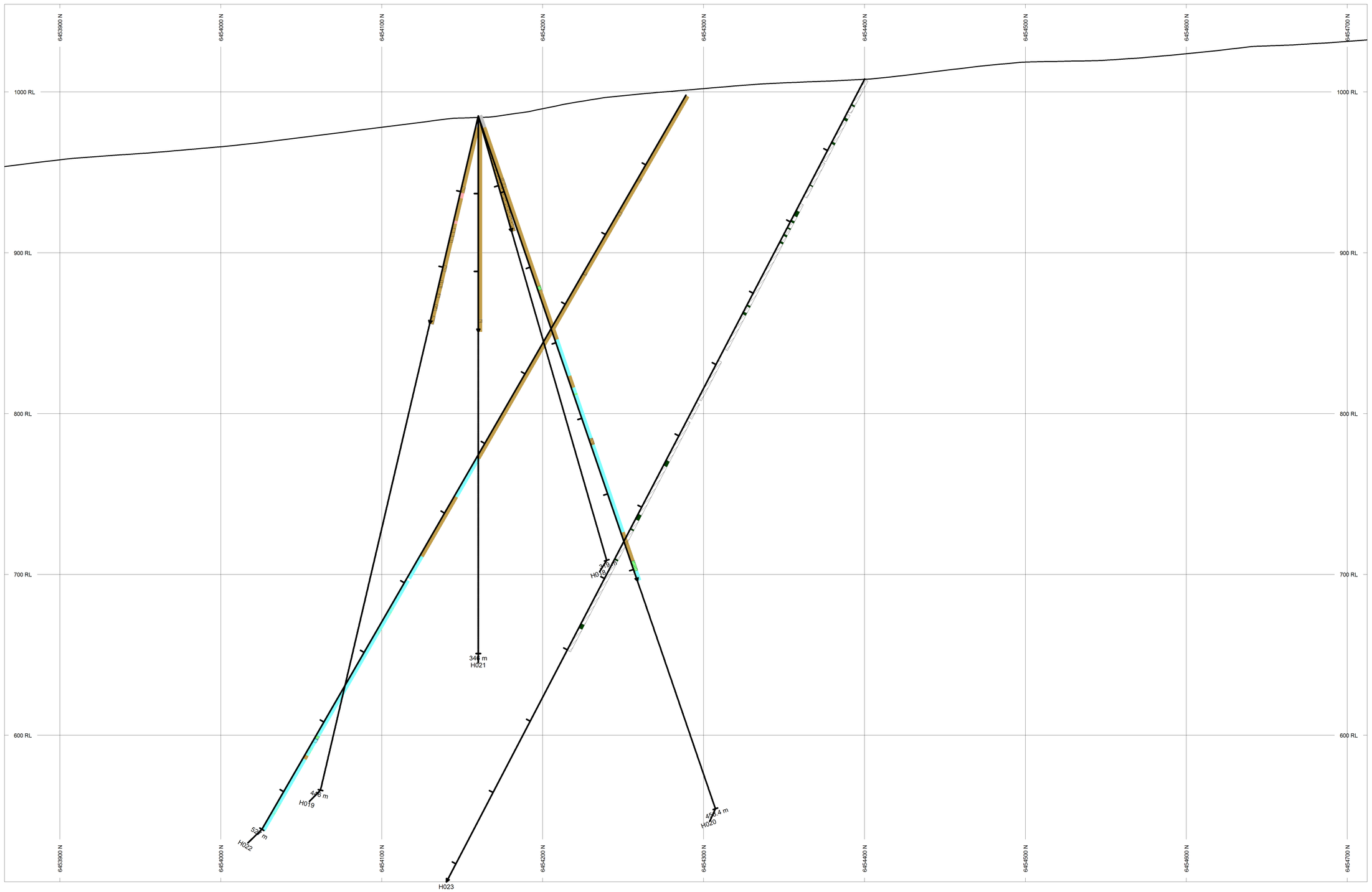
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 019, H021

Lithology





HOLES PLOTTED

TOTAL 6

H018 H019 H020 H021 H022 H023

ROCK CODES	PAT	LABEL	DESCRIPTION
Lithology		?	?
		Andesite	Andesite
		Andesite- Diorite	Andesite-Diorite
		Andesite-Tuff	Andesite-Tuff
		Andesite-Tuff-Diorit	Andesite-Tuff-Diorite
		Breccia-Tuff	Breccia-Tuff
		Fault	Fault
		Fault-Andesite	Fault - Andesite
		Fault-Gabbero	Fault-Gabbro
		Fault-Gabbero	Fault-Gabbro
		Fault-Gabbero- Andes	Fault - Gabbro - Andesite
		Fault-Tuff	Fault - Tuff
		Fault-Tuff-Mafic	Fault - Tuff - Mafic
		Fault?-Tuff	Fault (?) - Tuff
		Gabbero	Gabbro
		Gabbero-Andesite	Gabbro-Andesite
		Gabbero-Tuff	Gabbro-Tuff
		Lapilli Tuff	Lapilli Tuff
		Mafic Tuff	Mafic Tuff
		Mafic Tuff-Gabbero(?	Mafic Tuff-Gabbro
		OVB	Overburden
		Ryolite/Dacite	Ryolite/Dacite
		Sedimentary unit	Sedimentary Unit
		Tuff	Tuff
		Tuff	Tuff
		Tuff-Andesite	Tuff-Andesite
		Tuff-Diorite	Tuff-Diorite
		Tuff-Diorite(?)	Tuff-Diorite (?)
		Tuff-Gabbero(?)	Tuff-Gabbro (?)
		Tuff-Mafic	Mafic-Tuff
		Tuff-Magnetite	Tuff-Magnetite
		Tuff/Ryolite	Tuff-Ryolite
		DI	Diorite
		Dy	Dyke

SECTION SPECS:

REF. PT. E, N	347939 m	6454289 m
EXTENTS	846.8 m	545.6 m
SECTION TOP, BOT	1055 m	508.9 m
TOLERANCE +/-	25 m	

SCALE 1 : 1250

(m)

-10 0 10 20 30 40 50 60

*unknown

AZIMUTH = 0°

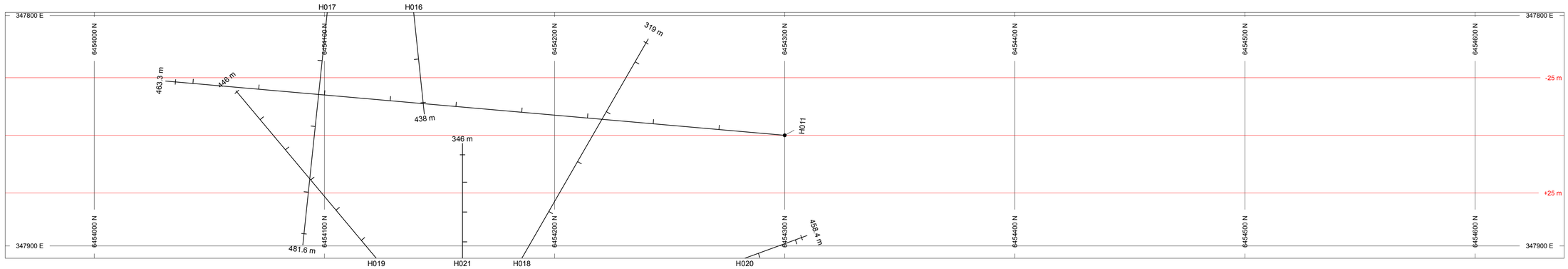
N W E S

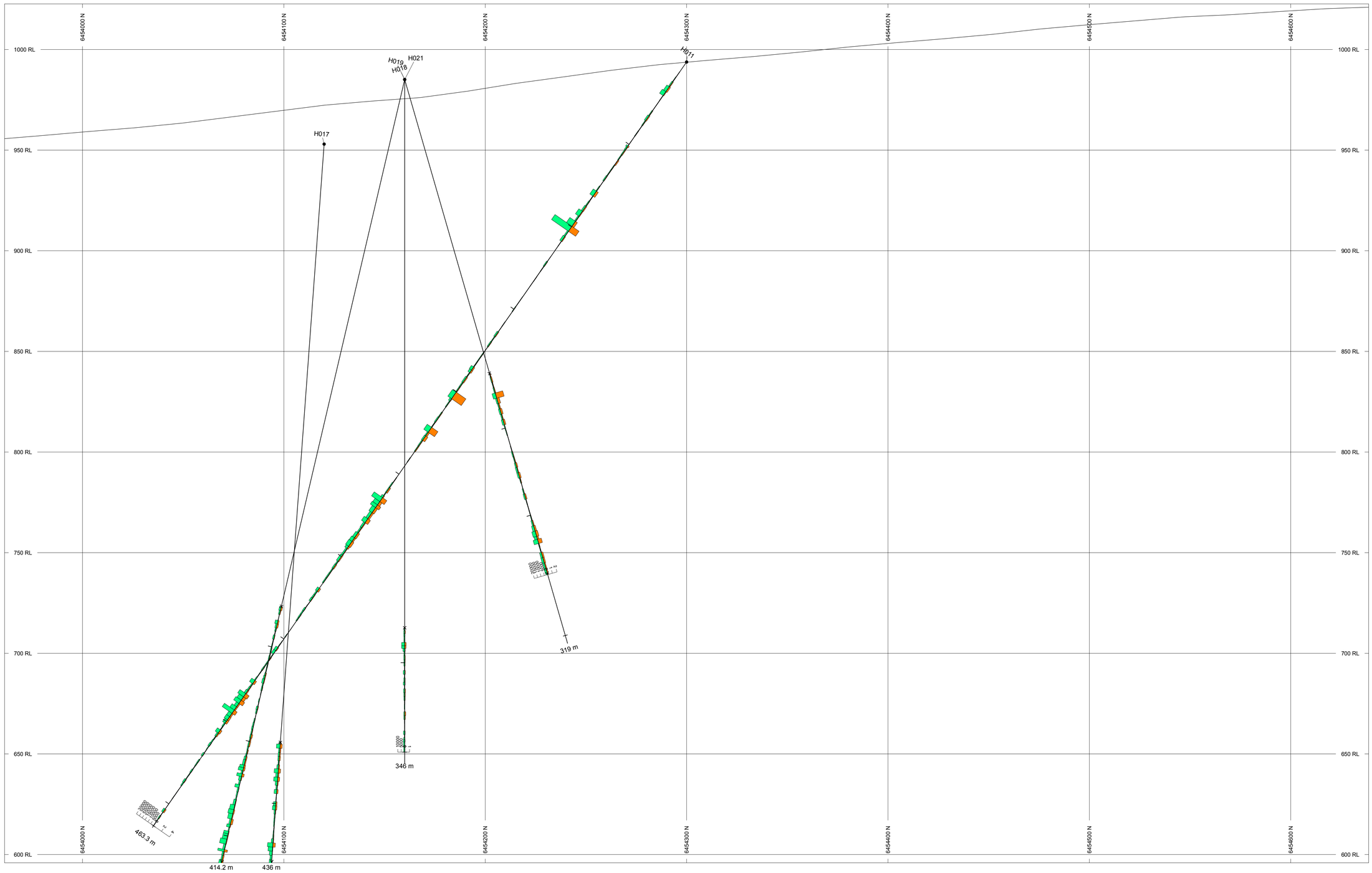
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 022, H023

Lithology





HOLES PLOTTED

TOTAL 5

H011 H017 H018 H019 H021

BAR GRAPHS	L/R	COL
AU_ppm	R	
CU_ppm	L	

SECTION SPECS:

REF. PT. E, N	347852 m	6454300 m
EXTENTS	677.4 m	426.8 m
SECTION TOP, BOT	1023 m	595.9 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

N

W E

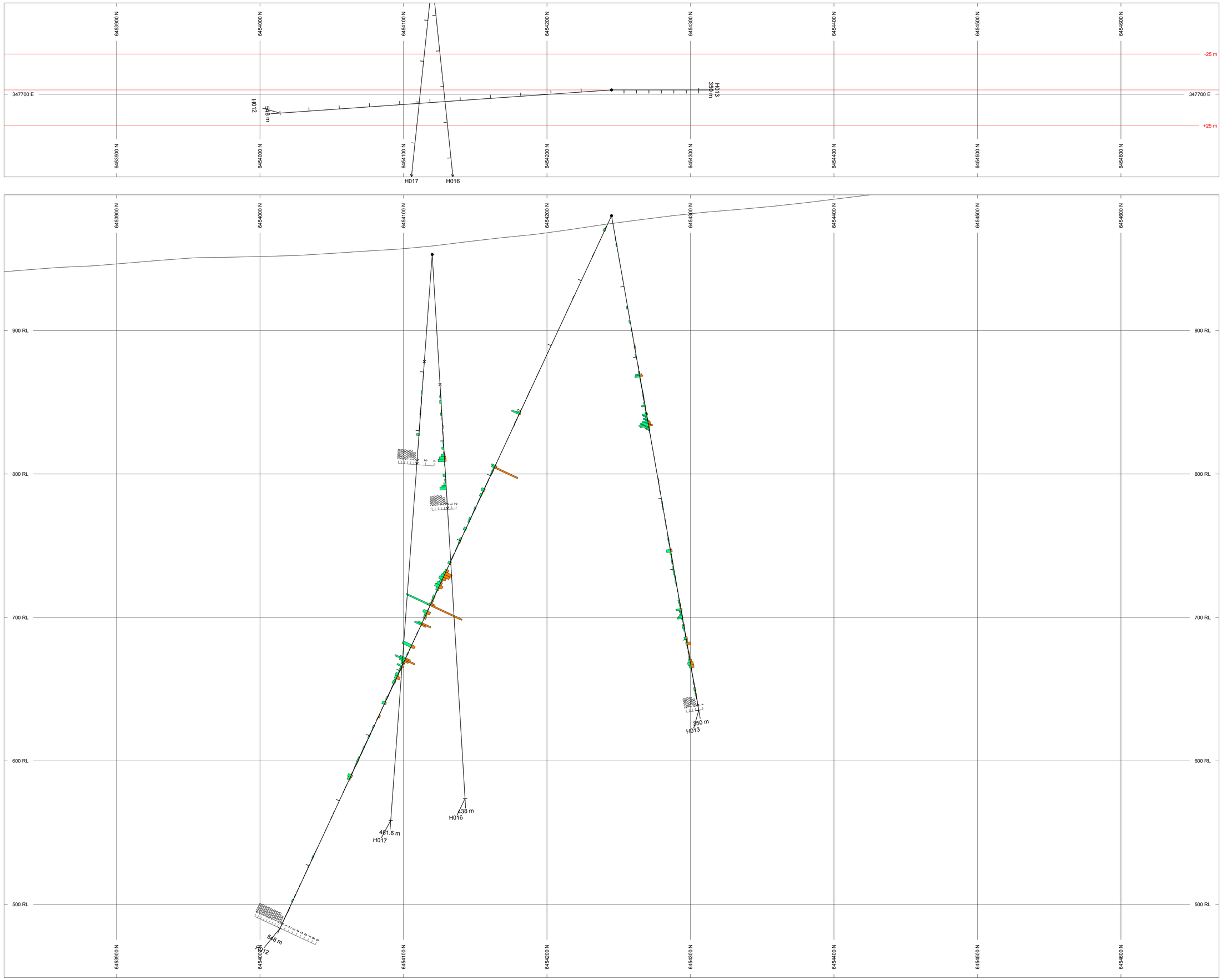
S

Doubleview Capital Corp.

Hat Gold Copper Porphyry

Hole 011

Gold, Copper Values



HOLES PLOTTED

TOTAL 4

H012 H013 H016 H017

BAR GRAPHS	L/R	COL
AU_ppm	R	
CU_ppm	L	

SECTION SPECS:

REF. PT. E, N	347697 m	6454245 m
EXTENTS	846.8 m	545.6 m
SECTION TOP, BOT	994.6 m	448.9 m
TOLERANCE +/-	25 m	

SCALE 1 : 1250

(m)

-10 0 10 20 30 40 50 60

*unknown

AZIMUTH = 0°

N

W E

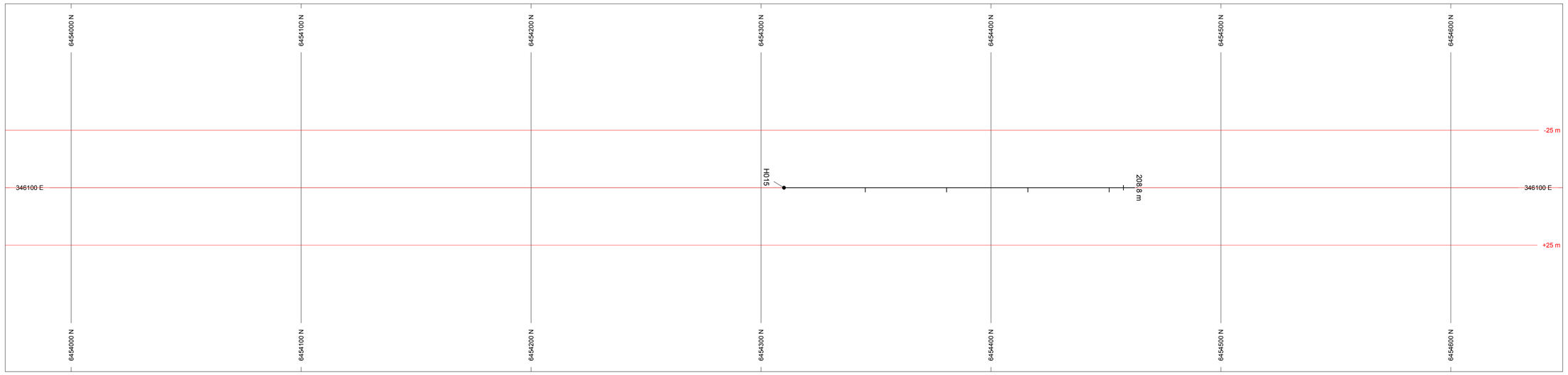
S

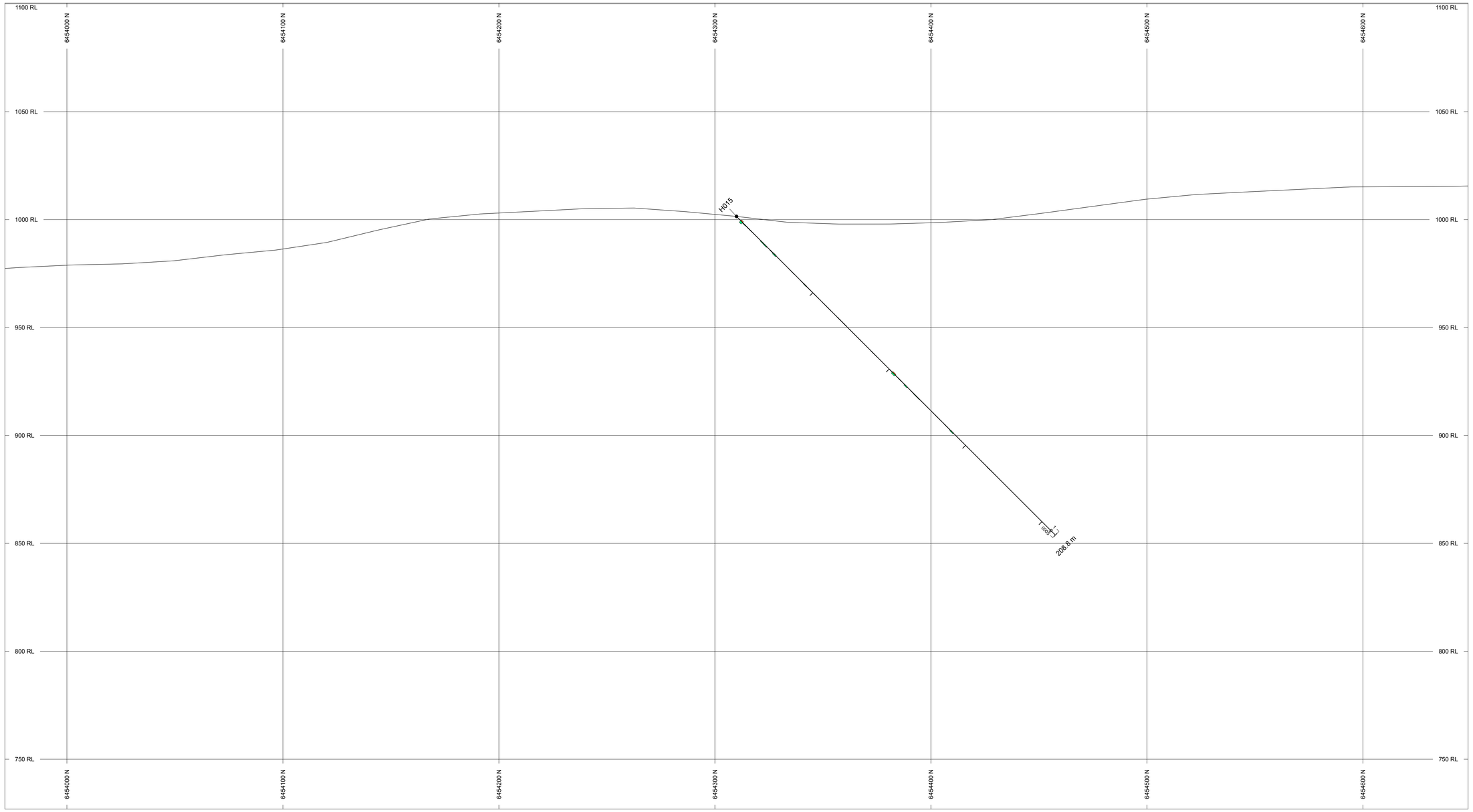
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 012, 013

Gold, Copper Values





HOLES PLOTTED

TOTAL 1

H015

BAR GRAPHS	L/R	COL
AU_ppm	R	
CU_ppm	L	

SECTION SPECS:

REF. PT. E, N	346100 m	6454310 m
EXTENTS	677.4 m	373.5 m
SECTION TOP, BOT	1100 m	726.9 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

N

W E

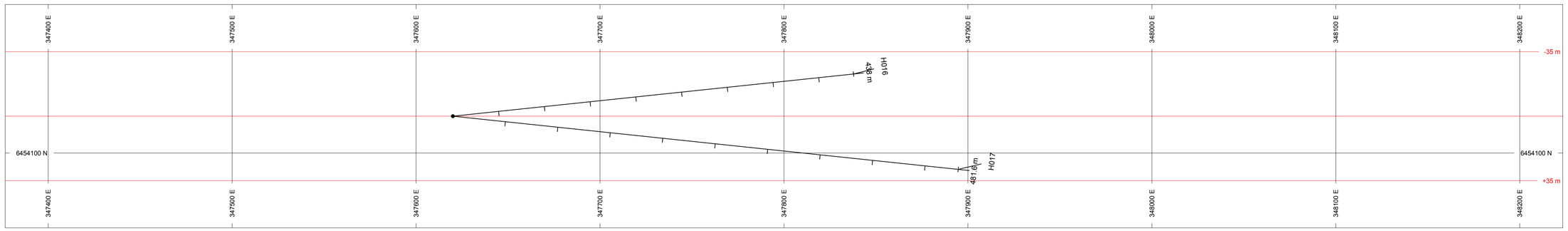
S

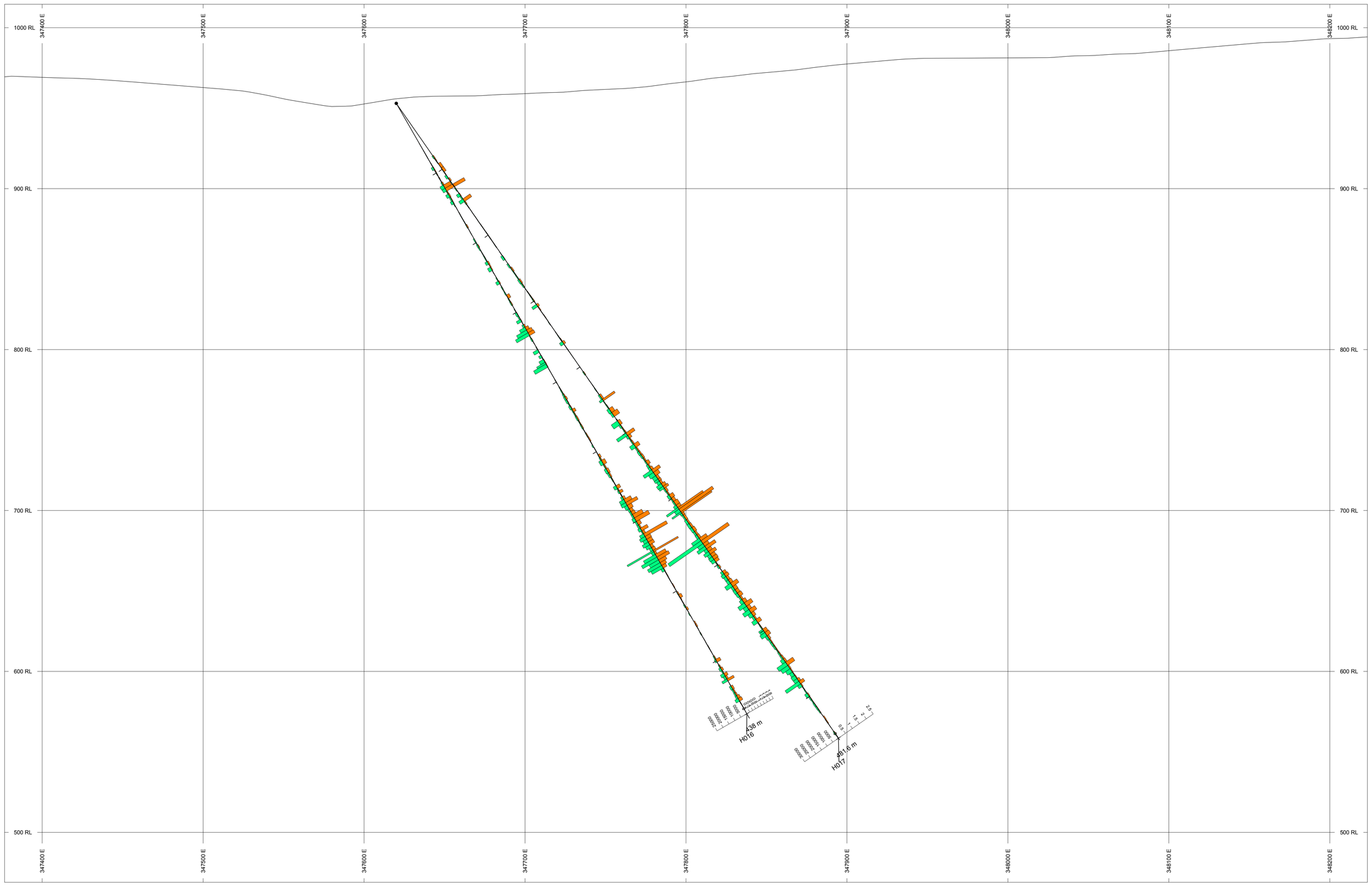
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Hole 015

Gold, Copper Values





HOLES PLOTTED

TOTAL 2

H016 H017

BAR GRAPHS	L/R	COL
AU_ppm	R	
CU_ppm	L	

SECTION SPECS:

REF. PT. E, N	347800 m	6454120 m
EXTENTS	846.8 m	545.6 m
SECTION TOP, BOT	1015 m	468.9 m
TOLERANCE +/-	35 m	

SCALE 1 : 1250

(m)

-10 0 10 20 30 40 50 60

*unknown

AZIMUTH = 90°

N

W E

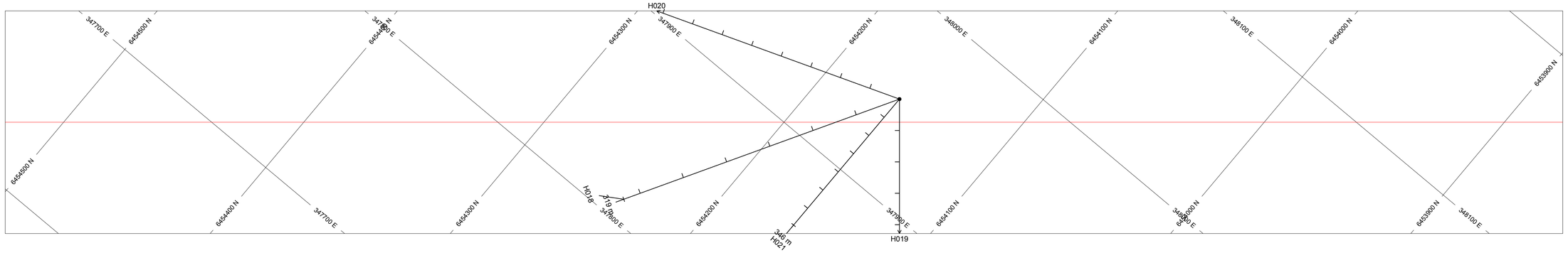
S

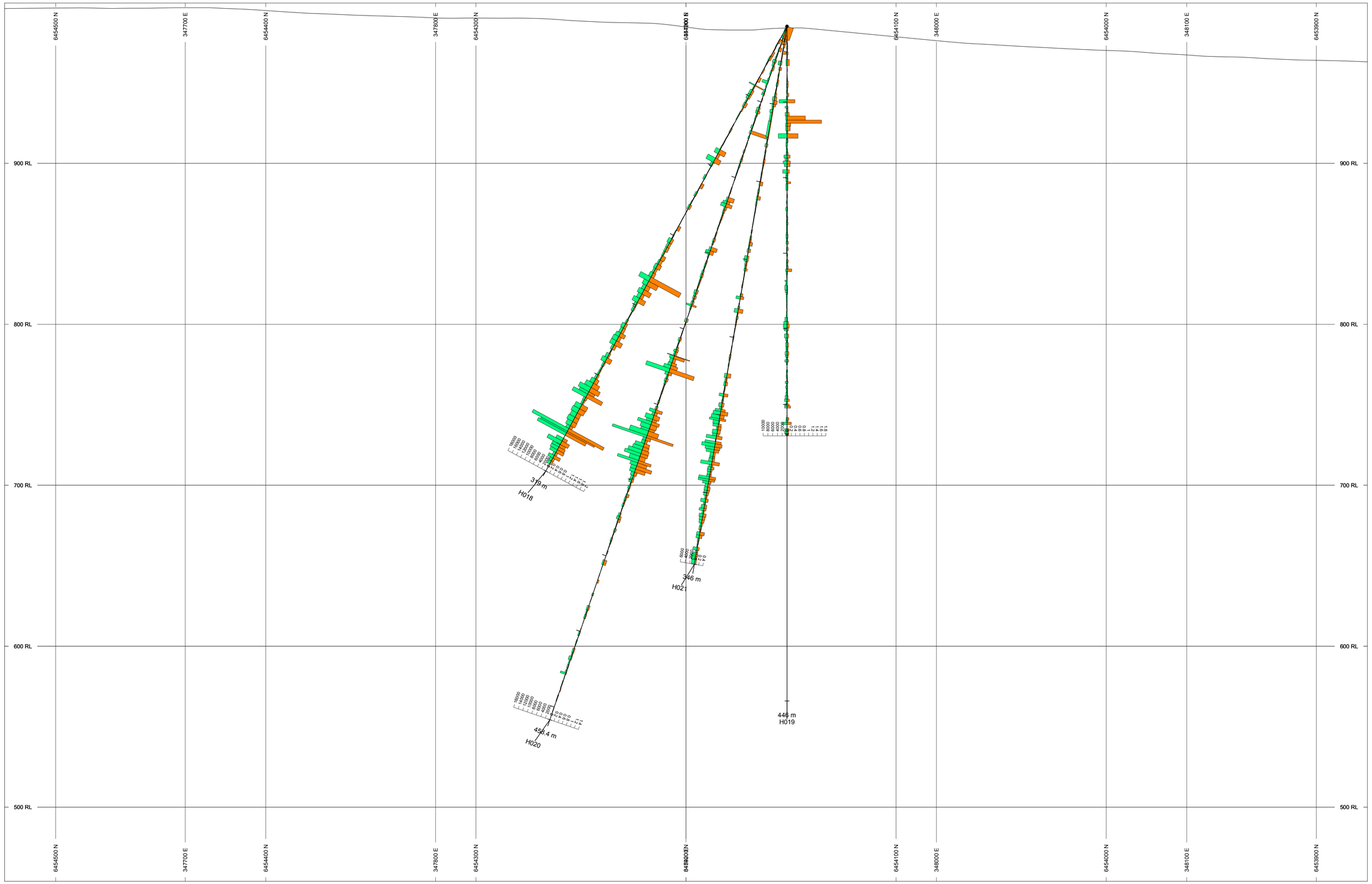
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 016, 017

Gold, Copper Values





HOLES PLOTTED

TOTAL 4

H018 H019 H020 H021

BAR GRAPHS	L/R	COL
AU_ppm	R	
CU_ppm	L	

SECTION SPECS:

REF. PT. E, N	347900 m	6454200 m
EXTENTS	846.8 m	545.6 m
SECTION TOP, BOT	999.6 m	453.9 m
TOLERANCE +/-	80 m	

SCALE 1 : 1250

(m)

-10 0 10 20 30 40 50 60

*unknown

AZIMUTH = 140°

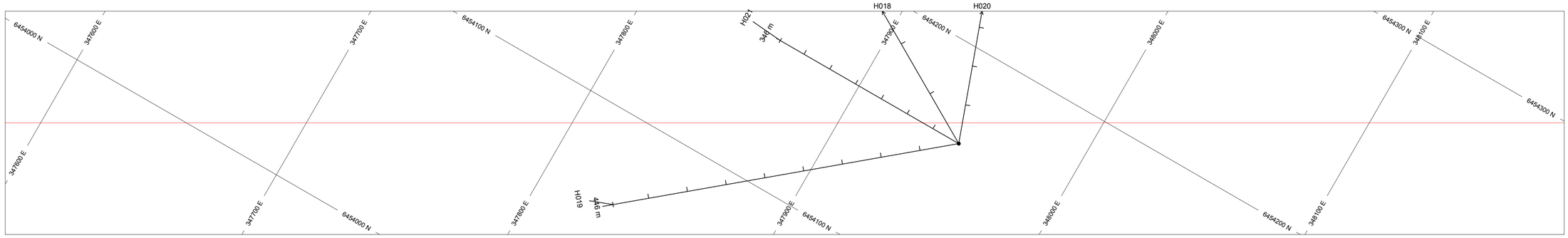
N W E S

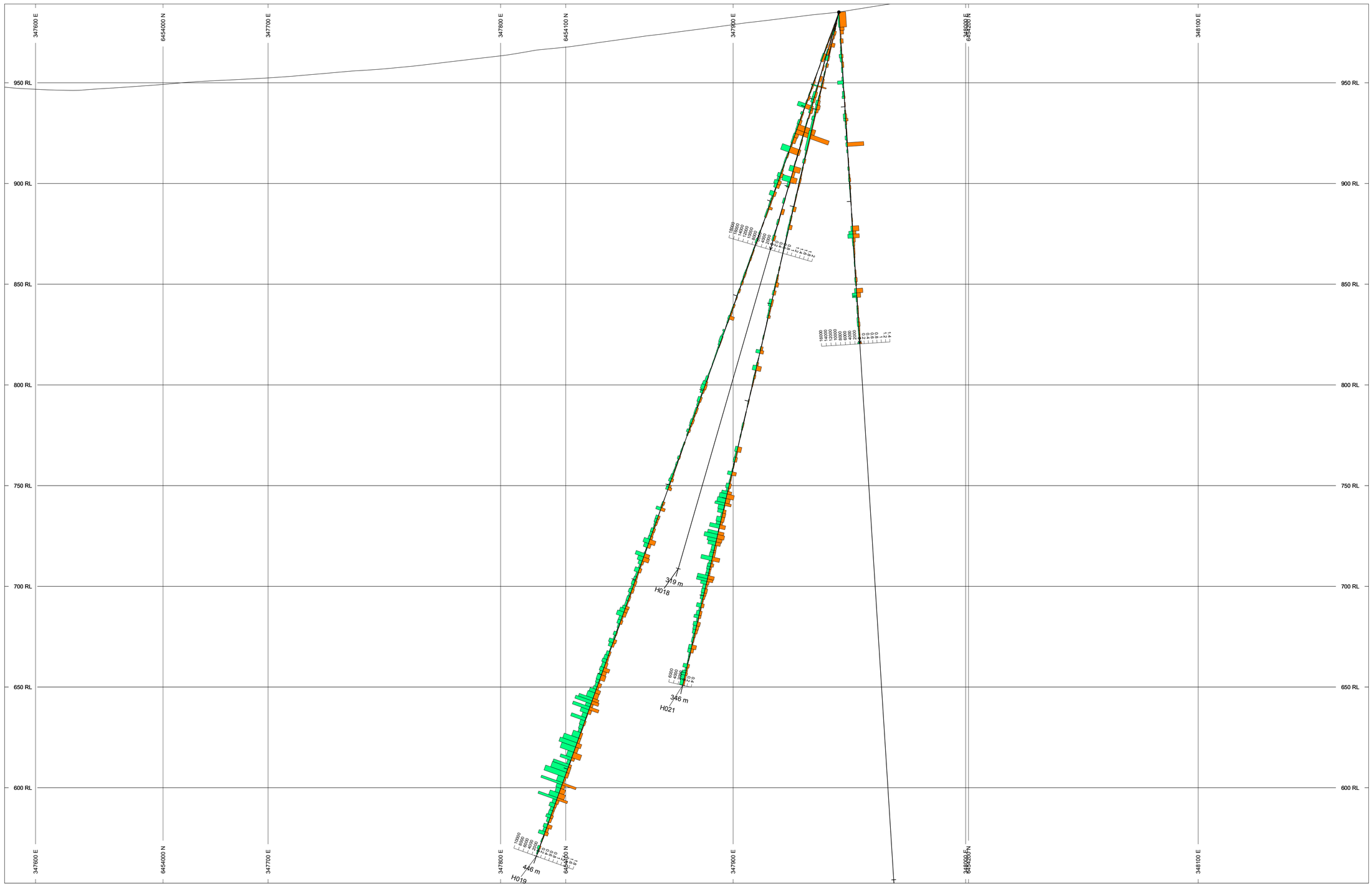
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 018, 020

Gold, Copper Values





HOLES PLOTTED

TOTAL 4

H018 H019 H020 H021

BAR GRAPHS	L/R	COL
AU_ppm	R	
CU_ppm	L	

SECTION SPECS:

REF. PT. E, N	347880 m	6454130 m
EXTENTS	677.4 m	436.5 m
SECTION TOP, BOT	989.1 m	552.6 m
TOLERANCE +/-	50 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 60°

N

W E

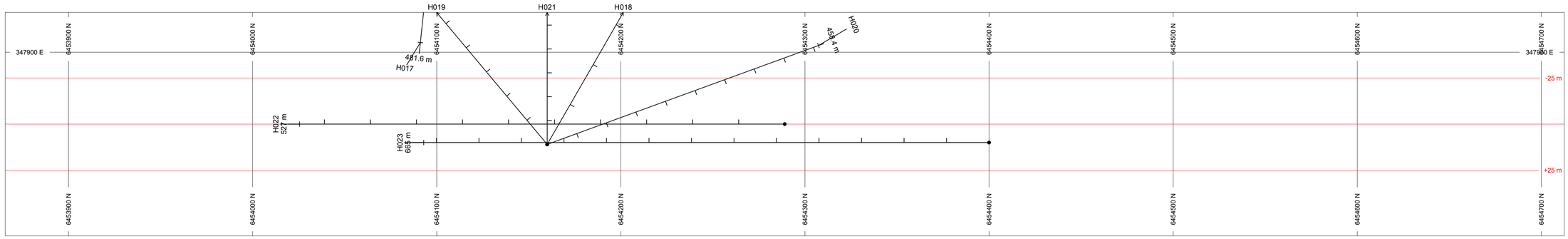
S

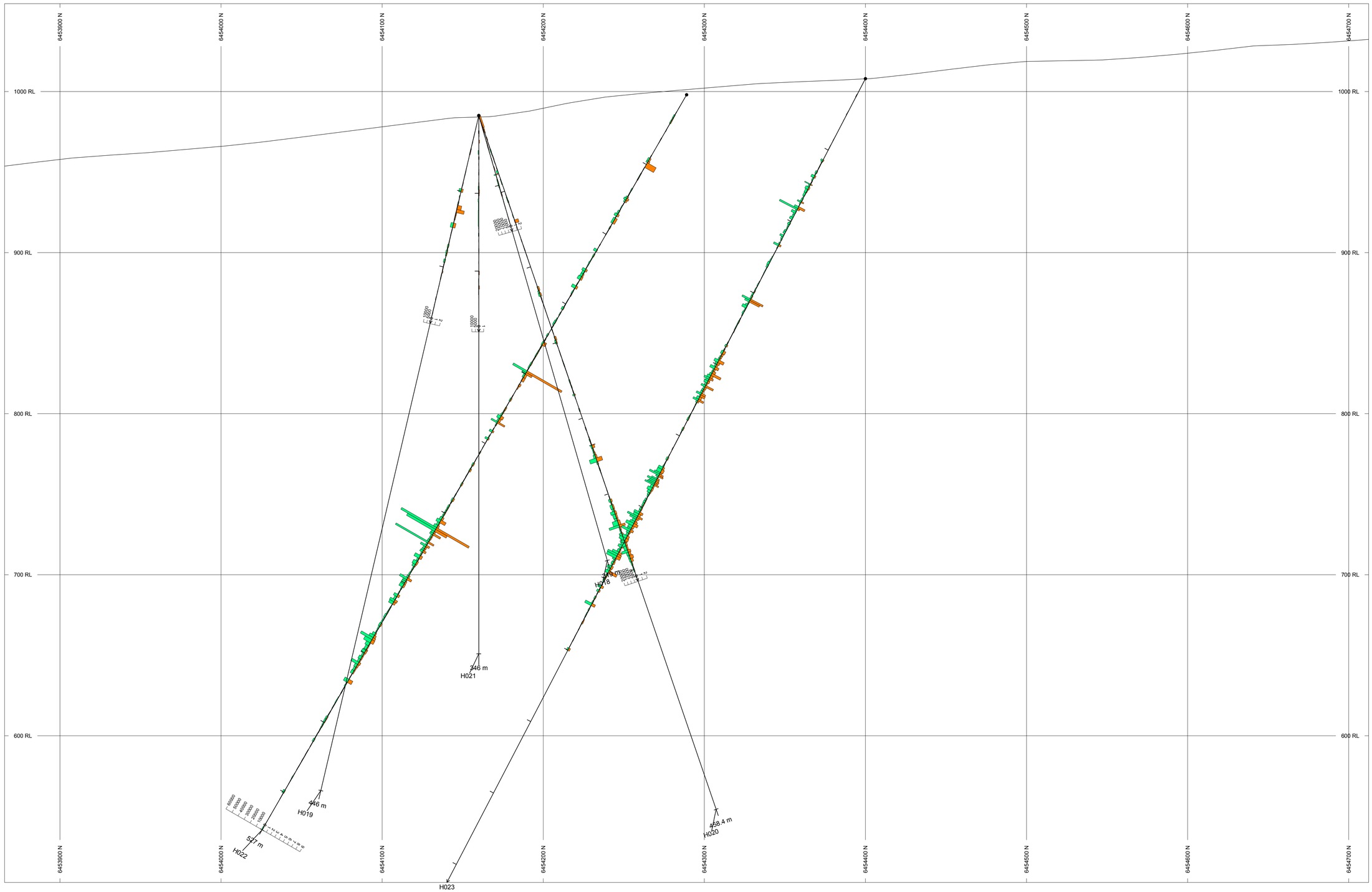
Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 019, 021

Gold, Copper Values





HOLES PLOTTED

TOTAL 6

H018 H019 H020 H021 H022 H023

BAR GRAPHS	L/R	COL
AU_ppm	R	
CU_ppm	L	

SECTION SPECS:

REF. PT. E, N	347939 m	6454289 m
EXTENTS	846.8 m	545.6 m
SECTION TOP, BOT	1055 m	508.9 m
TOLERANCE +/-	25 m	

SCALE 1 : 1250

(m)

-10 0 10 20 30 40 50 60

*unknown

AZIMUTH = 0°

N W E S

Doubleview Capital Corp.

Hat Gold Copper Porphyry

Holes 022, 023

Gold, Copper Values