Assessment Report on 2012 Diamond Drilling on the 3Ace Property, Little Hyland River Area, YT.

Volume 1: Assessment Report and Appendices A – C

3Ace Property
Watson Lake Mining District

Grant Numbers and Claim Names:

Grouping Certificate HL12331

YD59330-YD59337 (**Ace 23-30**), YD59340-YD59347 (**Ace 33-40**), YD25475-YD25478 (**Al 75-78**), YD11184-YD11191 (**Al 103-110**), YD25501-YD25504 (**Al 111-114**), YD25031-YD25082 (**Fred 1-52**), YD25557-YD25582 (**Fred 249-274**), YD25531-YD25556 (**Fred 275-300**), YD25505-YD25530 (**Fred 301-326**), YD26151-YD26346 (**Full 1-196**)

Grouping Certificate HL12332

YB91751 **(3 ACE 61)**, YD07109-YD07128 **(ACE 1-20)**, YD59328-YD59329 **(ACE 21-22)**, YD59338-YD59339 **(ACE 31-32)**, YD59348-YD59459 **(ACE 41-152)**, YD25401-YD25474 **(AL 1-74)**, YD25479-YD25500 **(AL 79-100)**, YD11182-YD11183 **(AL 101-102)**, YD10850-YD10859 **(COZY 1-10)**, YD26101-YD26150 **(HOUSE 1-50)**, YD29165-YD29172 **(JACK 5-12)**, YD29183-YD29199 **(JACK 23-39)**, YD18939-YD18936 **(JAKE 1-4)**, YD58282-YD58297 **(JAKE 5-20)**, YD10920-YD10923 **(JAN 1-4)**, YD24701-YD24800 **(JOE 1-100)**, YD11176-YD11177 **(JOE 101-102),**YC72439-YC72448 **(KING 1-10)**, YC72452-YC72459 **(KING 11-18)**, YC89511-YC89520 **(KING 19-28)**, YC72724-YC72733 **(KING 29-38)**, YC73284-YC73295 **(KING 39-50)**, YC73848-YC73859 **(KING 51-62)**, YC89521-YC89530 **(KING 63-72)**, YD07129-YD07138 **(KING 73-82)**, YD10860-YD10869 **(KING 83-92)**, YD10900-YD10919 **(KING 93-112)**, YD24901-YD24930 **(OCS 1-30)**, YD24933-YD24982 **(OCS 33-82)**, YD11172 **(QUEEN 1)**, YD07139-YD07148 **(QUEEN 2-11)**, YD11173-YD11175 **(QUEEN 12-14)**, YB85182-YB85191 **(SPROGGE 1-10)**, YB85338-YB85381 **(SPROGGE 11-54)**, YB85781-YB85800 **(SPROGGE 55-74)**, YD25135-YD25154 **(TEXAS 1-20)**

NTS Sheets 105H09, 105H16
61°43’37”N Lat, 128°21’46”W Long
UTM (NAD 83): 533700E, 6843800N, Zone 9

Work Completed:
May 20, 2012 to July 31, 2012

Prepared For:
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Northern Tiger Resources Inc.

October 25, 2013

Summary

The 3Ace Property is located in southeast Yukon Territory. The company optioned the property from Mr. Alex McMillan in 2010 and has since been the operator. The property was first staked by Hudson Bay Mining and Development in 1997. Little work has been completed on the property since Hudson Bay returned the property and it has only been since 2010 that bonanza grade gold mineralization has recognized on the property.

The 3Ace Property is located in the Selwyn Basin; a lenticular belt of sedimentary rocks that extends across the Yukon. The property is underlain by interbedded clastic and carbonate sedimentary rocks of the Hyland Group, the basal unit of the Selwyn Basin. The stratigraphic sequence is assigned to the Yusezyu and Narchilla formations; although recent regional mapping suggests a distinct package of calcareous sedimentary rocks occurrs between the two classic formations of the Hyland Group. Polyphase fold and fault systems overprint the stratigraphy, structurally preparing the rocks for later hydrothermal fluids and acting as pathways for the mineralizing fluids. Sulphide (i.e., pyrite and arsenopyrite) and associated gold mineralization occurs along late, brittle faults formed within an extensional step-over zone between two regional dextral trans-extensional faults. Mineralised hydrothermal fluids migrated through these faults during late phases of brittle fault displacement. Gold mineralization on the property is associated with extensive argillic, iron carbonate, and limonitic alteration zones that broadly overprint the stratigraphy and early structural fabrics.

Northern Tiger Resources 2012 exploration program focused on drill testing established prospects and new regional targets identified during prior exploration programs. A total of 1,711m of diamond drilling was completed at the Main Zone, Sleeping Giant Zone, Main Zone West, Kaiser Trend, Green Zone East, and the Schulze Showing. Low-grade gold concentrations over multi-meter intersects were discovered at all the prospects, except the Schulze Showing. The best results were from the Main Zone, Sleeping Giant Zone, and Kaiser Trend. The Main Zone was extended to the north and currently has a strike length of 275m and dip extent of 275m. The best composite of the program is 1.5 g/t Au over 45.4m from the Main Zone and contains a high-grade sample of 15.7 g/t Au. The highest grade sample was 20.4 g/t Au at the Main Zone. The full results from the 2012 drill program are presented in section 10.0. The Main Zone, Kaiser Trend, and Sleeping Giant Zone remain high priority exploration targets for the 2013 exploration season.

The 3Ace quartz claim package was grouped into two claim groups, HL12331 and HL12332 in 2012. Northern Tiger Resources incurred exploration expenses totaling $1,150,678 on claim group HL12332 in 2012. These expenditures are sufficient to meet the minimum required assessment of $298,400 to allow the claims remain in good standing for an additional four years. No expenditures were reported on claim group HL12331 during 2012; however, these claims remain in good standing until at least May 10, 2015.

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1.0 Introduction

The 3Ace Property is located in southeastern Yukon at the confluence of the Hyland and Little Hyland Rivers (Figure 1). The property was optioned from Mr. Alex McMillan in the spring of 2010. Northern Tiger Resources Inc. has operated the property since June, 2010.

In 2012 Northern Tiger Resources Inc. completed a modest drill program designed to follow-up on the 2011 results. A total of 1,711m of diamond drilling was completed at six prospects on the property. Two of the zones have been the focus of previous drill campaigns, but four of the targeted prospects were identified from soil samples and prospecting completed in 2011. The intention of the program was to expand the extent of gold mineralisation at the Main Zone and evaluate high priority targets identified by prior exploration programs, particularly the Kaiser Trend and Sleeping Giant Zone.

A total exploration expenditure of $1,150,678 was incurred on the 3Ace Property in 2012. All of the exploration work was focused on the southern claim group HL12332. The exploration expenditure on this claim groups exceeds the required assessment expenditure to extend the expiry date of the associated quartz claims for an additional four years.

The results of the 2011 exploration program and associated expenditures are presented in this report.

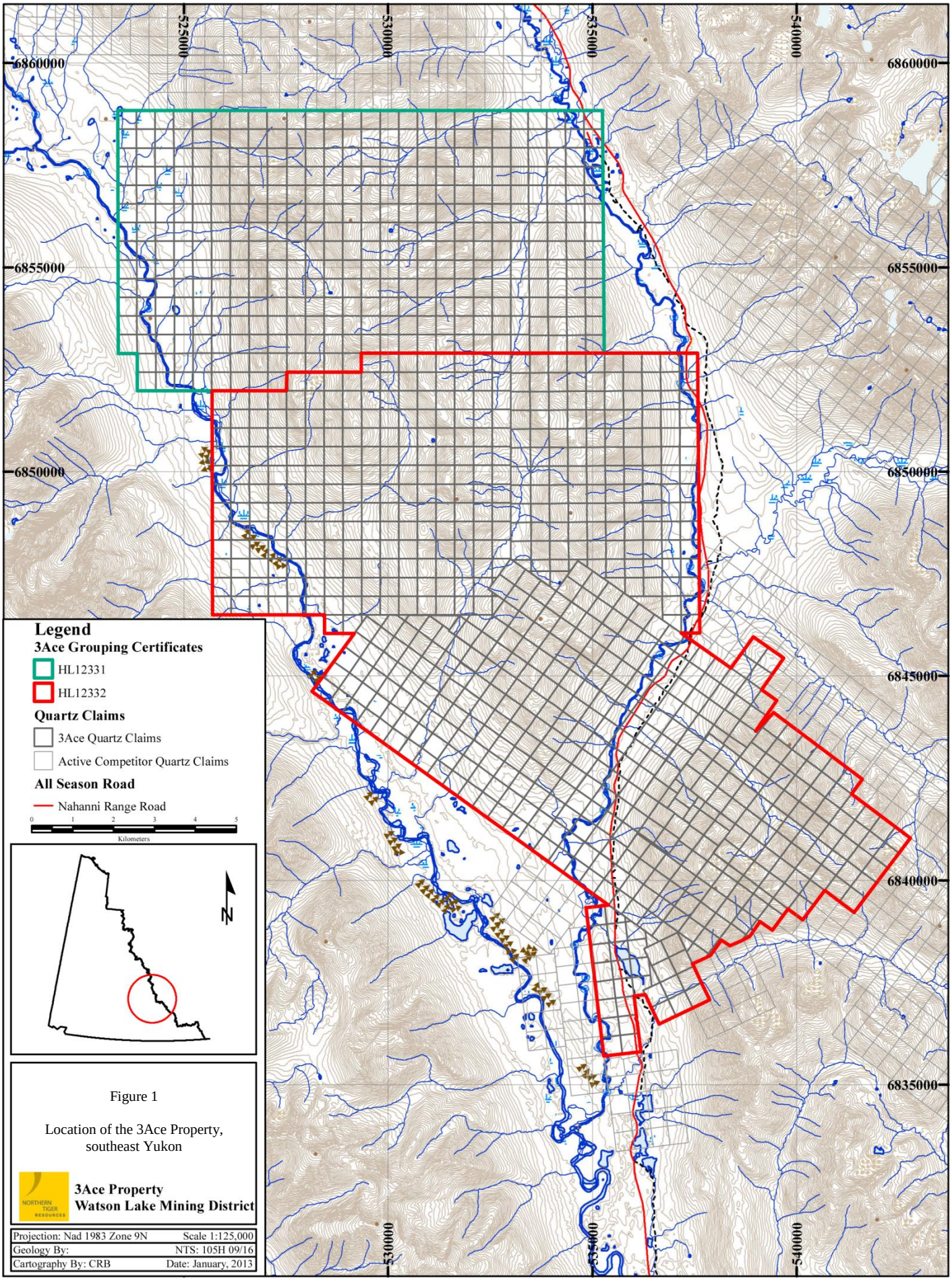
2.0 Disclaimer

This report is based upon information available at the time of preparation. It is believed that the information, interpretations, and estimates contained herein are reliable under the conditions and subject to the qualifications set forth. All information contained within the report has been garnered from studies prepared and written by qualified persons, as cited in the references (see Section 12).

3.0 Data Conventions and Protocols

The data presented in this report adheres to several standard geological conventions and protocols for data collection and presentation.

All of the sample co-ordinates and the most of the accompanying maps are projected using the UTM NAD83, Zone 9 projection. Any co-ordinates presented in the


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Legend
3Ace Grouping Certificates
HL12331
HL12332
Quartz Claims
3Ace Quartz Claims
Active Competitor Quartz Claims
All Season Road
Nahanni Range Road
0 1 2 3 4 5
Kilometers
N
Figure 1
Location of the 3Ace Property, southeast Yukon
3Ace Property
Watson Lake Mining District
Projection: Nad 1983 Zone 9N
Scale 1:125,000
Geology By:
NTS: 105H 09/16
Cartography By: CRB
Date: January, 2013

main body or appendices of the report will adhere to this protocol. The inset map in Figure 1 and Figure 3 are the only exceptions, because these maps show the entire Yukon Territory they are projected using the Lat\Long, WGS84 datum.

Structural data is presented in this report using the following conventions: planes are presented as strike\dip in right-hand rule notation (i.e., xxx/xx) and lines are presented as plunge-trend (i.e., xx-xxx). However, data was collected in dip-direction\dip notation. Structural measurements are recorded in the field notes and stored in the accompanying database using this alternative notation.

The magnetic declination used during this project was 23^{o} east. This declination value was obtained from the NRCAN website (i.e., http://geomag.nrcan.gc.ca/apps/mdcal-eng.php) on July 10, 2011.

It should also be noted that references to the geological time scale in this report are made in accordance to the time scale published by The Geological Society of America published in 2009 (Walker and Geissman, 2009).

4.0 Location and Access

The 3Ace Property is located in the Selwyn Range, southwestern Yukon (Figure 1 inset). The property is located on NTS map sheet 105H/09 and 105H/16, between the Hyland and Little Hyland rivers. The central portion of the property is located approximately 187 kilometres north-northeast of Watson Lake, YT and 380 kilometres northeast of Whitehorse, YT (i.e., 533700E, 6843800N).

Access to the property is provided by the Nahanni Range Road (Rd# 10) via the Robert Campbell Highway (Rd# 4) from either Watson Lake, YT or Ross River, YT. A small roadside clearing, approximately 140 kilometres north of the Tuchitua, YT junction, is located at the eastern edge of the property, providing a convenient staging area to mobilise into the 3Ace Property. An exploration 'cat' trail has been constructed that extends from the river at km 140 to the Main Zone. Small all terrane vehicles could be used to access the ridgeline via the trail, but there is no bridge over the Little Hyland River. The property has been accessed from the road by hiking, the Little Hyland River poses a significant obstacle and hazard and helicopter support is necessary for significant exploration programs. Northern Tiger Resources mobilised field and drill crews using a helicopter based at the 3Ace Camp located at km 135 on the Nahanni Range Road.

Trans-North Helicopters maintains year-round bases in Watson Lake, YT and Ross River, YT which can be used for off-season access to the property.

Anomalous gold has been identified at four primary locations on the property: the Main Zone, Green Zone West, Sleeping Giant, and Road Showing are the four primary prospects on the 3Ace Property (Figure 2). Figure 2 also shows the locations of the Green Zone East, Main Zone West, and Kaiser Anomaly showings. These areas have been identified through prospecting and/or Au-in-soil anomalies and represent large areas of prospective geology coincident with the soil anomalies. Each of the indicated showings are a high-priority exploration targets for future exploration programs.

5.0 Physiography

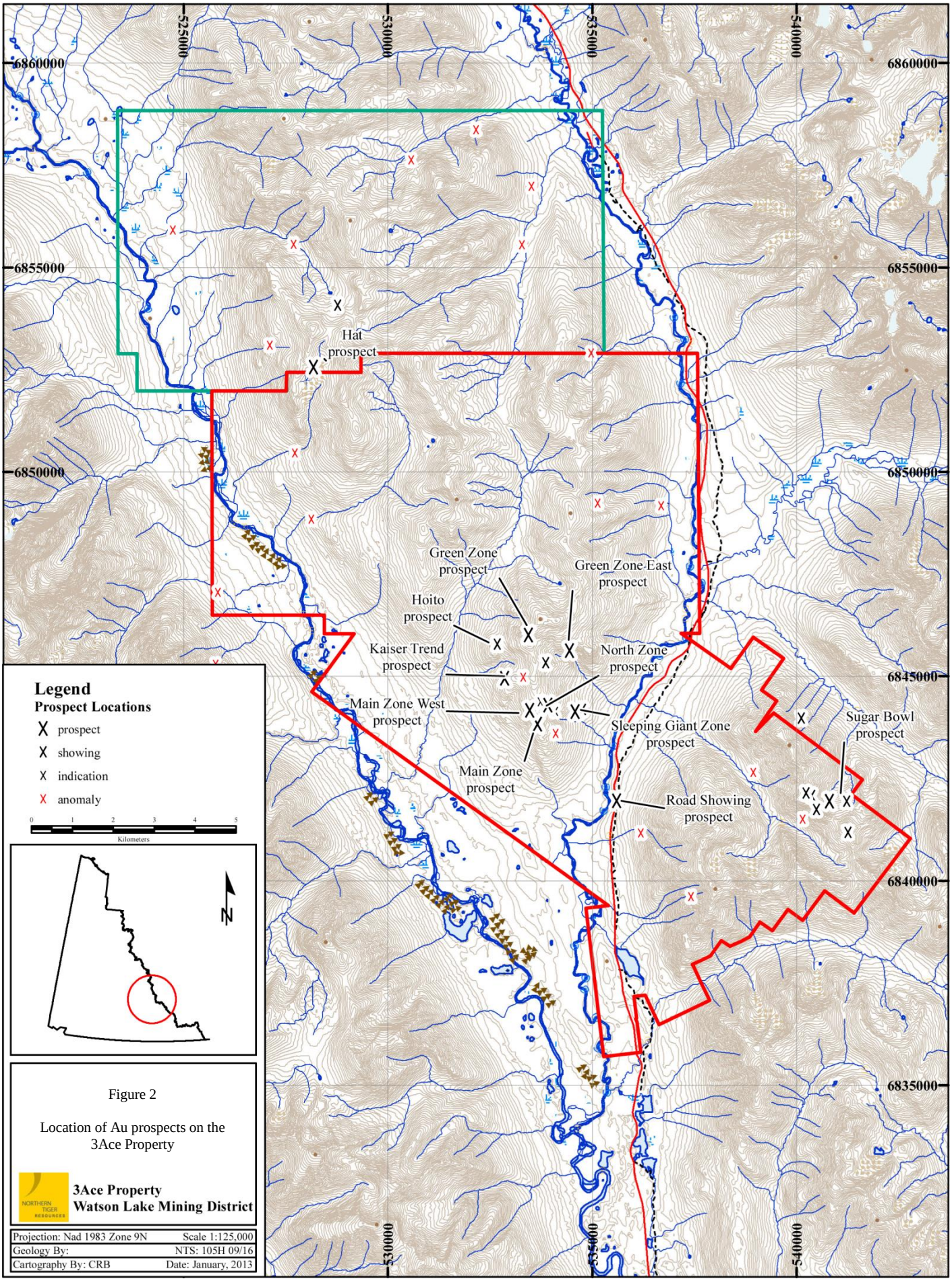
The 3Ace Property occurs in an area of moderate to rugged terrain directly north of the confluence of the Hyland and Little Hyland Rivers, with elevations ranging from 940 to 2,100 metres. The property is covered by coniferous forest to about 1,500m, and by tundra vegetation to 1,800m, with scattered taiga to 1,650m. White and black spruce forest covers lower elevations, and subalpine fir covers higher forested elevations. There are no permanent snowfields within the claim groups.

Outcrop is fairly abundant above tree line, particularly along ridge lines and areas above 1,800m in elevation. Outcrop is sparse towards the floor of the Little Hyland River valley, although scattered exposures exist along valley walls. Much of the mid to higher elevations are covered by rubble-crop and talus.

The 3Ace Property has a northern alpine climate, with cool summers and very cold winters. Daily high temperatures in July average 15^{o}C, with variation depending on elevation; daily highs in January average -20^{o}C, although temperatures as low as -50^{o}C have been recorded. Precipitation is moderate, although higher than most other areas of Yukon. Snowfall levels average about 1.5 metres by mid-March. The field season extends from late June to mid-September, although diamond drilling may continue into early winter.

6.0 Regional Geology

Located in the southeast Yukon Territory, the 3Ace Property is situated along the edge of the ancient North American continental shelf in the clastic sedimentary rocks of the Selwyn Basin (Gordey and Anderson, 1993). The Selwyn Basin is a long, narrow


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Hat prospect
Green Zone prospect
Green Zone East prospect
Hoito prospect
Kaiser Trend prospect
North Zone prospect
Main Zone West prospect
Sleeping Giant Zone prospect
Sugar Bowl prospect
Main Zone prospect
Road Showing prospect
Legend
Prospect Locations
prospect
showing
indication
anomaly
0 1 2 3 4 5
Kilometers
N
Figure 2
Location of Au prospects on the 3Ace Property
3Ace Property
Watson Lake Mining District
Projection: Nad 1983 Zone 9N
Scale 1:125,000
Geology By:
NTS: 105H 09/16
Cartography By: CRB
Date: January, 2013

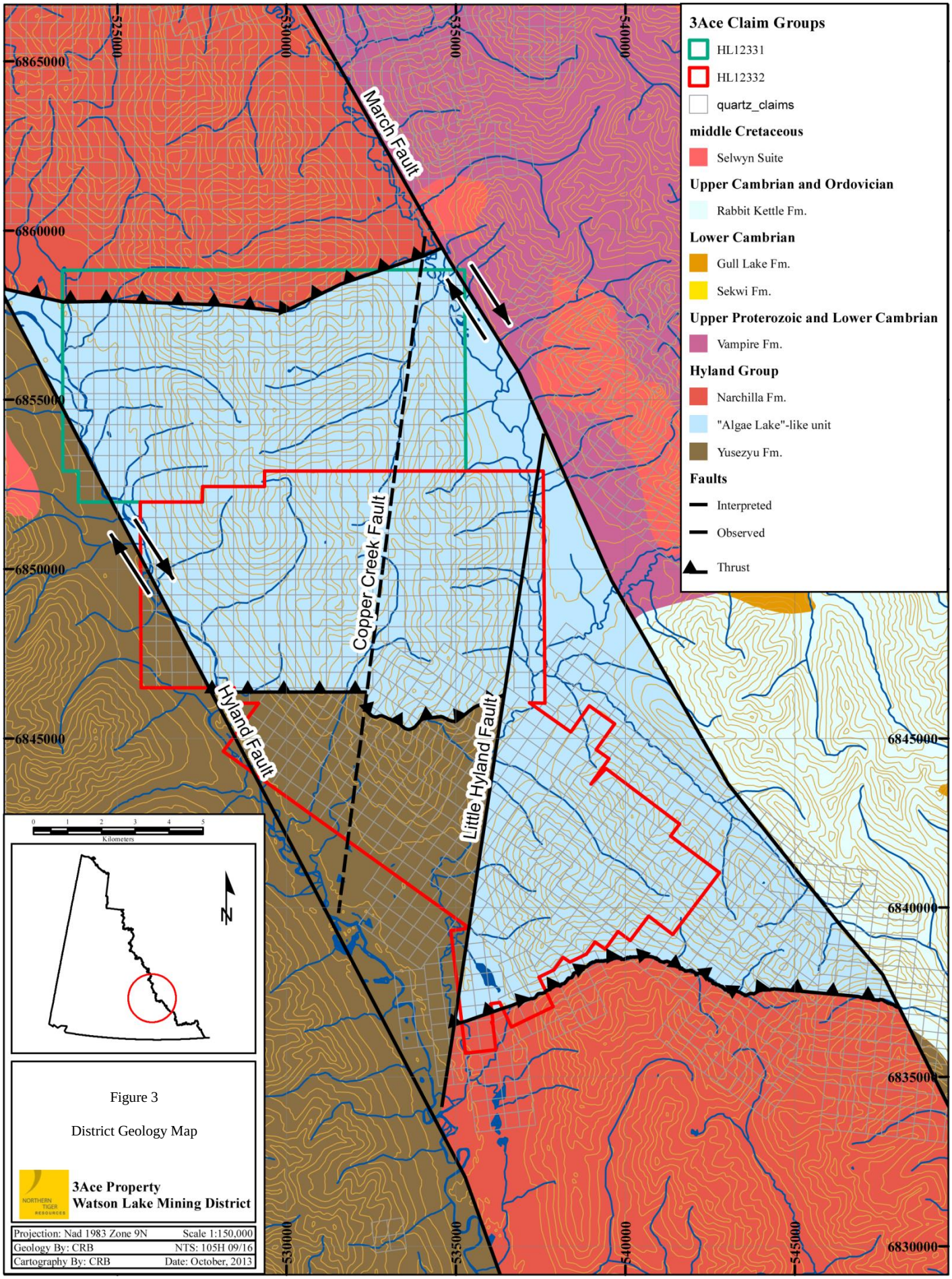
belt that extends across much of the south-eastern and central portions of the Yukon. The succession of sedimentary rocks record the progressive infilling of primarily Neoproterozoic to Devonian-aged rift basins formed along the margin of Ancient North America

The oldest component of the Selwyn Basin stratigraphy is the late Neoproterozoic to Early Cambrian Hyland Group. The Hyland Group is sub-divided into the Yusezyu and Narchilla formations (Roots et al., 1966; Gordey and Anderson, 1993). The Yusezyu Formation consists of coarse-grained conglomerate and arkosic sandstone packages interbedded with thick black phyllite. Locally, green shale and ribbon-bedded limestones occur as lesser components of the formation and thick limestone units have been documented near the top of the Yusezyu Formation (Gordey and Anderson, 1993; Hart and Lewis, 2006) . The Narchilla Formation overlies the Yusezyu Formation and consists of thick sequences of maroon, green, and black shale interbedded with variable proportions of limestone and calcareous sandstone units. The contact between the formations is tectonized in the area, but regionally the stratigraphic contact is gradational (Gordey and Anderson, 1993). Sedimentary rocks similar to the Hyland Group occur along the strike-length of Ancient North America in the Yukon and British Columbia, comprising the Windermere Supergroup (Goodfellow, 2007).

Recent mapping in support of mineral exploration programs in the region has recognized that the calcareous sedimentary rocks underlying a large portion of the area, including the northern and southern claim blocks, are a regionally mappable unit that is distinct from the Yusezyu Formation (Buchanan, 2010). The unit is comprised of a succession of calcareous phyllite, calcareous arkosic sandstone, thin-bedded calcareous siltstone, ribbon-bedded limestone, thick-bedded non-calcareous quartz pebble conglomerate, and locally limestone cobble to boulder breccias. Figure 3 is a district scale geological map that depicts the currently mapped extent of this proposed unit. Colpron (2012) has mapped and described the Algae Lake formation, a lithologically similar unit in the northwestern extent of the Hyland Group that is stratigraphically between the Yusezyu and Narchilla formations. This correlation is tentative, but due to the lithological similarity and spatial relationship to Yusezyu Formation rocks it is

hypothesised that the calcareous stratigraphic succession is possibly a lateral equivalent to the Algae Lake formation (M. Colpron, P.Comm.).

This portion of the Selwyn Basin has a prolonged and complex tectonic history. The entire Selwyn Basin experienced multiple extensional events throughout the Paleozoic Era that affected Devonian and Mississippian stratigraphy in the upper portions of the basin. These early tectonic events play a significant role in the formation of several base-metal rich SEDEX deposits in the basin. During the Cretaceous the basin experienced compressional deformation that initially thrust portions of the Selwyn Basin onto the Ancient North American margin. These events are recorded as a first generation, easterly- to northeasterly-verging recumbent fold system. As the orogen progressed, through-going, crustal scale transpressional fault systems developed that define the tectonic architecture of the northern Cordillera. Two such faults are present in the vicinity of the 3Ace and Sprogge properties, the March and Hyland Valley faults (Figure 3). Displacement on both faults is interpreted to be dextral (S. Craggs, P.Comm.), which is consistent with the apparent strike separation of stratigraphy along the fault system. The March Fault (MF) is difficult to trace southeast of the Sprogge Property and it is hypothesized that displacement along this fault is transferred to the Hyland Valley Fault (HVF) through an extensional step-over zone. The Little Hyland Fault (LHF) is interpreted to be a first-order normal fault that developed to accommodate extension within the step-over zone (Figure 3). The significance of these regional scale structures is the deeply rooted nature of the Highland Valley and March faults combined with the extensional step-over zone. The crustal scale nature of these faults provides a source for mineralised hydrothermal fluids and magma. Additionally, the large extensional zone within the fault system provides abundant pathways and a mechanism for the hydrothermal fluids to ascend to upper crustal levels.


3Ace Claim Groups
HL12331
HL12332
quartz_claims
middle Cretaceous
Selwyn Suite
Upper Cambrian and Ordovician
Rabbit Kettle Fm.
Lower Cambrian
Gull Lake Fm.
Sekwi Fm.
Upper Proterozoic and Lower Cambrian
Vampire Fm.
Hyland Group
Narchilla Fm.
"Algae Lake"-like unit
Yusezyu Fm.
Faults
Interpreted
Observed
Thrust
March Fault
Copper Creek Fault
Hyland Fault
Little Hyland Fault
525000
530000
535000
540000
545000
6865000
6860000
6855000
6850000
6845000
6840000
6835000
6830000
0 1 2 3 4 5
Kilometers
N
Figure 3
District Geology Map
3Ace Property
Watson Lake Mining District
Projection: Nad 1983 Zone 9N
Scale 1:150,000
Geology By: CRB
NTS: 105H 09/16
Cartography By: CRB
Date: October, 2013

7.0 Previous Work History

Table 1 Summary of previous exploration on the 3Ace Property

Year	Company	Reference	Description
1964-1990	Norquest Joint Venture, Conquest Exploration Ltd., Vista Resource Company	Yukon MINFILE, 2010	The earliest exploration in the present 3ACE area occurred in 1964 when the Norquest Joint Venture staked the RAIN 1-6 claims and conducted geological mapping in 1965. The RAIN block was restaked as the SUN 1-8 claims in 1980, and sold to Conquest Exploration Ltd. In 1987 the Vista Resource Company optioned the property, conducted ground geophysics, geological mapping, and followed with a 4-hole, 389-metre drill program targeting copper-gold skarn mineralization. These claims eventually lapsed and were subsequently staked by Hemlo Gold Mines Inc. as the Justin claims.
1996	Hemlo Gold Mines Inc. Battle Mountain Canada Ltd.	(Bidwell and Schulze, 1996)	Geological mapping and prospecting on the Sprogge Property identified quartz-scorodite-arsenopyrite vein systems, hosted by Neoproterozoic clastic rocks of the lower to middle Hyland Group. A 900m X 600 m Au-As-Bi soil anomaly was also delineated over the area, particularly along the southern ridge line and is identified as the Ridge Zone. Gold values from grab and chip samples range from below detection to 21.87 g/t. Notable gold assays from the 1996 program include 6.9 g/t over 12.0 m in outcrop, 1.89 g/t over 10 m, 6.8 g/t over 1.5 and a grab sample that assayed 21.87 g/t. Previous, unreported sampling, yielded a grab sample assay of 34 g/t from the Meadow Zone (Schulze, 1998).
1997	Viceroy Resources Inc.	(Schulze, 1998)	Viceroy Resources Corp. optioned the Sprogge Property from Battle Mountain Canada Limited in April, 1997. The 1997 exploration program focused on the Justin (i.e., Sun Showing), Snow, and Sprogge 75 -158 quartz claims, new claims staked to form a contiguous package between the Sugar Bowl and historical Sun Showing. Significant results fom the Sprogge 1-74 claims include a grab sample which assayed 1.8 g/t Au,149 g/t Ag, and 7.7% Pb and chip samples with Au values ranging from below detection to 1.38 g/t. the highest grade assay was 26.47 g/t Au.
1998	Viceroy Resources Inc.	(Scott, 1999)	The 1998 exploration program covered the entire claim Sprogge and Justin claim blocks. The work consisted of geological mapping, soil sampling, and prospecting. Gold assays for the soils ranged from below detection to 1.4 g/t and the chip samples ranged from below detection to 32.9 g/t. The most signifcant chip sample was collected at the Sheila/KD showing and had an assay of 1.83 g/t over 2.0 m. The rock samples confirmed the presence of mineralisation at most of the main showings on the property. The extensive soil survey identified a 4 km long, northwest-trending Au-in-soil anomaly along the north side of the Dayo Creek valley.
1998	Hudson Bay Exploration & Development Co. Ltd.	(Buchanan, 1999)	Hudson Bay staked the HIT 1-129, HAB 1-113, and HAT 1-20 claims in 1997 in response anomalous Au and As in the regional stream sediment survey released by the Department of Indian Affairs. Alex MacMillan staked the 3ACE 1-83 claims directly to the south in August to September 1998, and optioned them to Hudson Bay.A soil survey across a large portion of the HIT claims was completed to evaluate the area and generate exploration targets. A total of 47.5 km of soil line resulted in the identification of 8 areas with Au values ≥100 ppb underlain by coarse-grained clastic rocks and phyllites of the Hyland Group. Additional geological mapping and ground geophysics were recommended for the area.

Table 1 Summary of previous exploration on the 3Ace Property			
Year	**Company**	**Reference**	**Description**
1999	Nova Gold Resources Ltd.	(Schulze and Johnson, 2000)	A small exploration program was completed on the Sprogge and Justin claims in 1999. A brief prospecting program delineated a zone of strongly oxidized quartz pebble conglomerate which yielded gold concentrations ranging from below detection to 6.79 g/t. Although the Dayo soil anomaly is discussed by Schulze and Johnson (1999) it does not appear to have been evaluated by rock samples. Geochem surfaces and a small, 8 holes drill program was recommended by the authors, but no targets were presented in the report.
1999	Hudson Bay Exploration & Development Co. Ltd.	(Buchanan, 2000a; Buchanan, 2000b; Buchanan, 2000c)	A soil geochemistry and aeromagnetic survey (in conjunction with their HIT claims) was conducted over much of the 3Ace claims during the 1999 exploration program. Results from the geochemical survey indicated several strong gold-in soil anomalies throughout the property. Four of these anomalies were selected for a 4-hole, 600.1 metres diamond drill program. The best drill intersection was 4.5 g/t gold over 1.5m from the northern most soil anomaly (i.e., the current Green Zone prospect). No significant values were returned from the other three holes. Although additional geological mapping, geochemical surveys, and trenching was recommended, Hudson Bay returned the 3Ace property to Alex McMillan in 2000.
2000	Nova Gold Resources Ltd. Kennecott Exploration	(Brownlee and Johnson, 2001)	A four hole diamond drill program, totalling 776m was completed at the Sugar Bowl Zone. The drill holes intersected zones of strong argillic alteration, silicification, and disseminated sulphide mineralisation (py+aspy+po), but no significant Au-mineralisation. Au concentrations in the four drill holes ranged from below detection to 140 ppb. The authors indicate that these targets were not adequately tested by the drill program and unequivocally recomment further exploration on the Sprogge Property.
2001	Alex McMillan Exploration	(McMillan, 2001)	A geochemical soil survey and prospecting program to follow up on anomalous gold and arsenic values identified in 1999. Results from the soil geochemical survey indicate that gold anomalies extend to the north western portion of the 3Ace claims, and they close off towards the south. Rock samples yielded assay values ranging from 6-4,610 ppb Au at various locations on the 3Ace claim blocks. The highest value of gold at 4.6 g/ t was obtained from an outcrop of quartz pebble conglomerate approximately 690 m southeast of the eventual Main Zone discovery outcrop. A trench located at the side of the Nahanni Range Road yielded a sample that returned assay values of 43.5 g/ t Ag and 7.81 g/t Au. Although this one trench-rock sample yielded silver values, no soil samples were assayed for silver, and therefore no Ag, Pb, or Zn anomalies were detected.
2003-2004	Alex McMillan Exploration and ATAC Resources Ltd.	(McMillan, 2005)	The property was optioned to ATAC Resources in 2003 and a program of geological mapping, prospecting and rock sampling was completed on the Road Showing. Grab samples from a small trench returned values of 33.90 g/t gold and 30.5 g/t Ag at the Road Showing. A chip sample assayed 4.00 g/t Au, >100, 000 ppm As, and 1820 ppm Pb. Overall the trench yielded several boulders of rusty weathering massive and semi massive arsenopyrite as well as quartz fragments and lenses, for a combined total width of ~15 cm. Other significant results in the vicinity of the Road Showing trench include grab samples of 2.59 g/t Au and 6.81 g/t Au. A northwest striking quartz vein, 4 m long by 1.25 m wide was discovered 2 km northwest of the Road Showing, across the Little Hyland River. Maximum assay values received from a grab sample in 2003 had values of 5,401 g/t Au and 355 g/t Ag. This is the Main Zone discovery outcrop.

Table 1 Summary of previous exploration on the 3Ace Property			
Year	**Company**	**Reference**	**Description**
2005	North American Tungsten	(Casselman, 2005)	In Feb of 2005, the 3ACE claims were optioned to North American Tungsten Ltd. under a 4 year option to purchase agreement. Aurora Geosciences Ltd completed HLEM and ground magentic geophysical surveys and collected 711 soil samples on the Main Grid. Three rock samples were also collected from the Road Showing Trench. The gold assays were 6.81 g/t Au, 3.37 g/t Au, and 3.64 g/t Au and >10% As. Soil samples collected on the main grid at the Road Showing produced scattered Au and As anomalies. However a small grid (i.e., Grid C) on the southeast flank of the ridge NE of the river returned a northwest trending Au-in-soil anomaly. The geophysical surveys did identify distinct geophysical anomalies at th Road Showing or Grid C. Additional geophysics, trenching, and two, 150 m long drillholes to test the Road Showing at depth were recommended for the project.
2010	Northern Tiger Resources Ltd.	(Schulze and Buchanan, 2010)	In April 2010, NTR acquired an option to attain 100% interest from Alex McMillan on the 3Ace property, at which time the property was expanded to a total of 293 claims covering 6,153 hectares. Due diligence sampling returned Au values ranging from 83.58 g/t to 4,259.31 g/t. A surface exploration program comprised of geological and structural mapping, silt sampling, and soil sampling was focused primarily, but was not limited to, the southern portion of the claim block. Prospecting in the vicinity of historical soil anomalies identified two new zones: The Sleeping Giant Zone, ~1.2 km east of the Main Zone, and the Green Zone/ Green Zone East, ~2.0 km north of the Main Zone. Chip sampling of the discovery outcrop at the Main Zone returned gold values ranging from 64.6 g/t over 1.0 m to 795.9 g/t over 1.1 m. The zone was trenched for 50 m along strike to the north, demonstrating the presence of a large quartz vein system. Several samples returned assays greater than 2.0 g/t Au, including bonanza grade samples of 30.2 g/t Au, 38.1 g/t Au, and 181.1 g/t Au over 1.0 m. Ag and As were common accessory elements across the zone and visible gold is abundant throughout the vein system. The new Green Zone East is a 450 m E-W trending horizon of auriferous altered coarse clastic sedimentary rocks. A rock sample collected from this zone returned a gold assay of 66.5 g/t in the talus slope below a large quartz vein. The Sleeping Giant Zone is a N-S trend of Au and As bearing quartz veins hosted by the Yusezyu Fm. Notable Au assays from the extensive quartz vein exposure include: 43.67 g/t Au and 82.4 g/t Au. Across the zone 21 of 49 samples returned Au values exceeding 1.0 g/t Au and 9 samples exceeded 10 g/t Au. A total of 1,179 soil sample were collected on two 50 m X 100 m grids located over the Main and Green Zones. Abundant Au-in-soil anomalies that trend of the edge of the grids were identified at these zones. Based on the results of the 2010 surface exploration program, a property wide soil survey, chip sampling at the newly discovered zones, and induced polarization (ie. Resistivity) to identify structures were recommended for the property. Reconnaissance-style geological mapping and stream silt sampling was recommended to cover the expanded claim block to the north of the Green Zone.

Table 1 Summary of previous exploration on the 3Ace Property			
Year	**Company**	**Reference**	**Description**
2010	Northern Tiger Resources Ltd.	(Hayes, 2010a; Hayes, 2010b)	In the fall of 2010, diamond drilling commenced at the Main and Sleeping Giant zones. Three holes were drilled at the Main Zone and six holes were drilled at the Sleeping Giant Zone, for a total of 1241 m. The Sleeping Giant drillholes intersected quartz veins, but did not identify the subsurface extension of the Au mineralisation observed in outcrop. The best intersections at the Sleeping Giant Zone was 1.35 g/t Au over 6.5, including 5.05 g/t Au over 1.0 m and 1.51 g/t Au over 11.9 m in 3A-10-04. The Main Zone holes intersected broad, strongly altered and brecciated quartz pebble conglomerate and phyllite. Quartz veins with arsenopyrite, pyrite and visible gold were abundant. The highlights from these holes were 4.3 g/t Au over 30.3 m in 3A-10-01, 14.8 g/t Au over 11 m, including 145.2 g/t over 1.05 m. The success of the 2010 drill program initiated an large, multi-million dollar exploration program for 2011.
2011	Northern Tiger Resources Ltd.	(Buchanan et al., 2012)	An extensive exploration program was completed in 2011 which included airborne geophysics, regional soil and stream sediment sampling, prospecting, mapping, and 8,458 m of drilling. Additionally, Northern Tiger expanded the size of the property to 1,105 contiguous claims, including the Sprogge 1-74 claims optioned from Alexco Exploration Canada.The property wide silt survey identified 11 drainages with anomalous Au and As values. The 2010 soil grids were expanded to cover the central portion of the property between the Main, Green, and Sleeping Giant zones; a total of 4,295 soil samples. Extensive Au-in-soil anomalies were discovered along the eastern and western flanks of the main ridge (i.e., Kaiser Trend and Sleeping Giant Zone) and at Green Zone East. Prospecting in the vicinity of the silt and 2010 soil anomalies returned 26 samples greater than 1.0 g/t Au, including 34 g/t Au from Sprogge. An airborne magnetic and radiometric survey was commissioned to cover the entire property, but due to poor weather and solar magnetic storms only a small portion of the survey was completed. Three lines of IP were completed over the Main Zone, but the results were inconclusive.Drilling tested targets at the Main, North, and Green Zones with 32 drill holes. A zone of Au mineralisation was delineated at the Main Zone with a strike of 200 m, down dip continuity of 225 m, and a thickness of 10 m to 40 m. Visible gold was observed in several drill holes and the highest grade intersection was 4.6 g/t Au over 35 m, including 106 g/t Au over 1.0 m. Six drill holes at the Green Zone intersected narrow zones of low to medium Au grades and extensive intervals of arsenopyrite mineralisation. No significant mineralisation was intersected at the North Zone and Road Showing, although visible gold was observed in the North Zone and sulphide mineralisation was present at both prospects.

8.0 2012 Claim Status and Property Expenditures

The 3Ace Property is comprised of 1,104 contiguous quartz claims in the southeast Yukon (see Pocket Maps). Grey shading on the claim map indicates which individual claims were worked in 2012. The extent of the property is covered by NTS mapsheets 105H09 and 105H16, a total area of 225 km^2. Minimum assessment requirements for the claim package are $110,400 per annum. In 2012 the claims were grouped into two blocks, which were assigned the grouping numbers HL12331 and

HL12332 (Figure 4). Northern Tiger Resources incurred a total of $1,150,678 in exploration expenditures on claim group HL12332 during the 2012 exploration program (see Table 4).

Claim group HL12331 is comprised of 358 contiguous claims, covering an area of 75 km^2. The sequences of individual grant numbers, claim owners, and current operators are listed in Table 2. This claim group encompasses the Hat Prospect and several high-priority Au and As silt anomalies.

Table 2 List of Quartz Claims and Ownership for HL12331 Claims

Grant Numbers	Claim Name	Owner	Operator
YD59330-YD59337	Ace 23-30	Alex McMillan	Northern Tiger Resources Ltd.
YD59340-YD59347	Ace 33-40	Alex McMillan	Northern Tiger Resources Ltd.
YD25475-YD25478	Al 75-78	Alex McMillan	Northern Tiger Resources Ltd.
YD11184-YD11191	Al 103-110	Alex McMillan	Northern Tiger Resources Ltd.
YD25501-YD25504	Al 111-114	Alex McMillan	Northern Tiger Resources Ltd.
YD25031-YD25082	Fred 1-52	Alex McMillan	Northern Tiger Resources Ltd.
YD2557-YD25582	Fred 249-274	Alex McMillan	Northern Tiger Resources Ltd.
YD25531-YD2556	Fred 275-300	Alex McMillan	Northern Tiger Resources Ltd.
YD25506-YD25530	Fred 301-326	Alex McMillan	Northern Tiger Resources Ltd.
YD26151-YD26346	Full 1-196	Northern Tiger Resources Ltd.	Northern Tiger Resources Ltd.

Claim group HL12332 is comprised of 746 contiguous claims, covering an area of 150 km^2. The sequences of individual grant numbers, claim owners, and current operators are listed in Table 3. This claim group encompasses many of the known Au prospects on the property including: Main Zone, Sleeping Giant Zone, Kaiser Trend, Green Zone East, and the Sprogge Property.

Expenditures associated with diamond drilling on the 3Ace Property in 2012 totals $1,150,678. The 2012 exploration expenditures are summarized in Table 4. Although no 2012 exploration expenditures are being applied to claim group HL12331, the contained quartz claims remain in good standing until at least May 10, 2015. Exploration expenditures on claim group HL12332 exceed the $298,400 assessment requirement to extend the expiry date for an additional four years. The quartz claims contained in claim group HL12332 will remain in good standing until at least May 18, 2023.

Table 3 List of Quartz Claims and Ownership for HL12332 Claims			
Grant Numbers	**Claim Name**	**Owner**	**Operator**
YB91751	3 ACE 61	Alex McMillan	Northern Tiger Resources Ltd.
YD07109-YD07128	ACE 1-20	Alex McMillan	Northern Tiger Resources Ltd.
YD59328-YD59329	ACE 21-22	Alex McMillan	NorthernTiger Resources Ltd.
YD59338-YD59339	ACE 31-32	Alex McMillan	Northern Tiger Resources Ltd.
YD59348-YD59459	ACE 41-152	Alex McMillan	Northern Tiger Resources Ltd.
YD25401-YD25474	AL 1-74	Alex McMillan	Northern Tiger Resources Ltd.
YD25479-YD25500	AL 79-100	Alex McMillan	Northern Tiger Resources Ltd.
YD11182-YD11183	AL 101-102	Alex McMillan	Northern Tiger Resources Ltd.
YD10850-YD10859	COZY 1-10	Alex McMillan	Northern Tiger Resources Ltd.
YD26101-YD26150	HOUSE 1-50	Northern Tiger Resources Ltd.	Northern Tiger Resources Ltd.
YD29165-YD29172	JACK 5-12	Alex McMillan	Northern Tiger Resources Ltd.
YD29183-YD29199	JACK 23-39	Alex McMillan	Northern Tiger Resources Ltd.
YD18939-YD18936	JAKE 1-4	Northern Tiger Resources Ltd.	Northern Tiger Resources Ltd.
YD58282-YD58297	JAKE 5-20	Northern Tiger Resources Ltd.	Northern Tiger Resources Ltd.
YD10920-YD10923	JAN 1-4	Alex McMillan	Northern Tiger Resources Ltd.
YD24701-YD24800	JOE 1-100	Alex McMillan	Northern Tiger Resources Ltd.
YD11176-YD11177	JOE 101-102	Alex McMillan	Northern Tiger Resources Ltd.
YC72439-YC72448	KING 1-10	Alex McMillan	Northern Tiger Resources Ltd.
YC72452-YC72459	KING 11-18	Alex McMillan	Northern Tiger Resources Ltd.
YC89511-YC89520	KING 19-28	Alex McMillan	Northern Tiger Resources Ltd.
YC72724-YC72733	KING 29-38	Alex McMillan	Northern Tiger Resources Ltd.
YC73284-YC73295	KING 39-50	Alex McMillan	Northern Tiger Resources Ltd.
YC73848-YC73859	KING 51-62	Alex McMillan	Northern Tiger Resources Ltd.
YC89521-YC89530	KING 63-72	Alex McMillan	Northern Tiger Resources Ltd.
YD07129-YD07138	KING 73-82	Alex McMillan	Northern Tiger Resources Ltd.
YD10860-YD10869	KING 83-92	Alex McMillan	Northern Tiger Resources Ltd.
YD10900-YD10919	KING 93-112	Alex McMillan	Northern Tiger Resources Ltd.
YD24901-YD24930	OCS 1-30	Alex McMillan	Northern Tiger Resources Ltd.
YD24933-YD24982	OCS 33-82	Alex McMillan	Northern Tiger Resources Ltd.
YD11172	QUEEN 1	Alex McMillan	Northern Tiger Resources Ltd.
YD07139-YD07148	QUEEN 2-11	Alex McMillan	Northern Tiger Resources Ltd.
YD11173-YD11175	QUEEN 12-14	Alex McMillan	Northern Tiger Resources Ltd.
YB85182-YB85191	SPROGGE 1-10	Northern Tiger Resources Ltd.	Northern Tiger Resources Ltd.
YB85338-YB85381	SPROGGE 11-54	Northern Tiger Resources Ltd.	Northern Tiger Resources Ltd.
YB85781-YB85800	SPROGGE 55-74	Northern Tiger Resources Ltd.	Northern Tiger Resources Ltd.
YD25135-YD25154	TEXAS 1-20	Northern Tiger Resources Ltd.	Northern Tiger Resources Ltd.

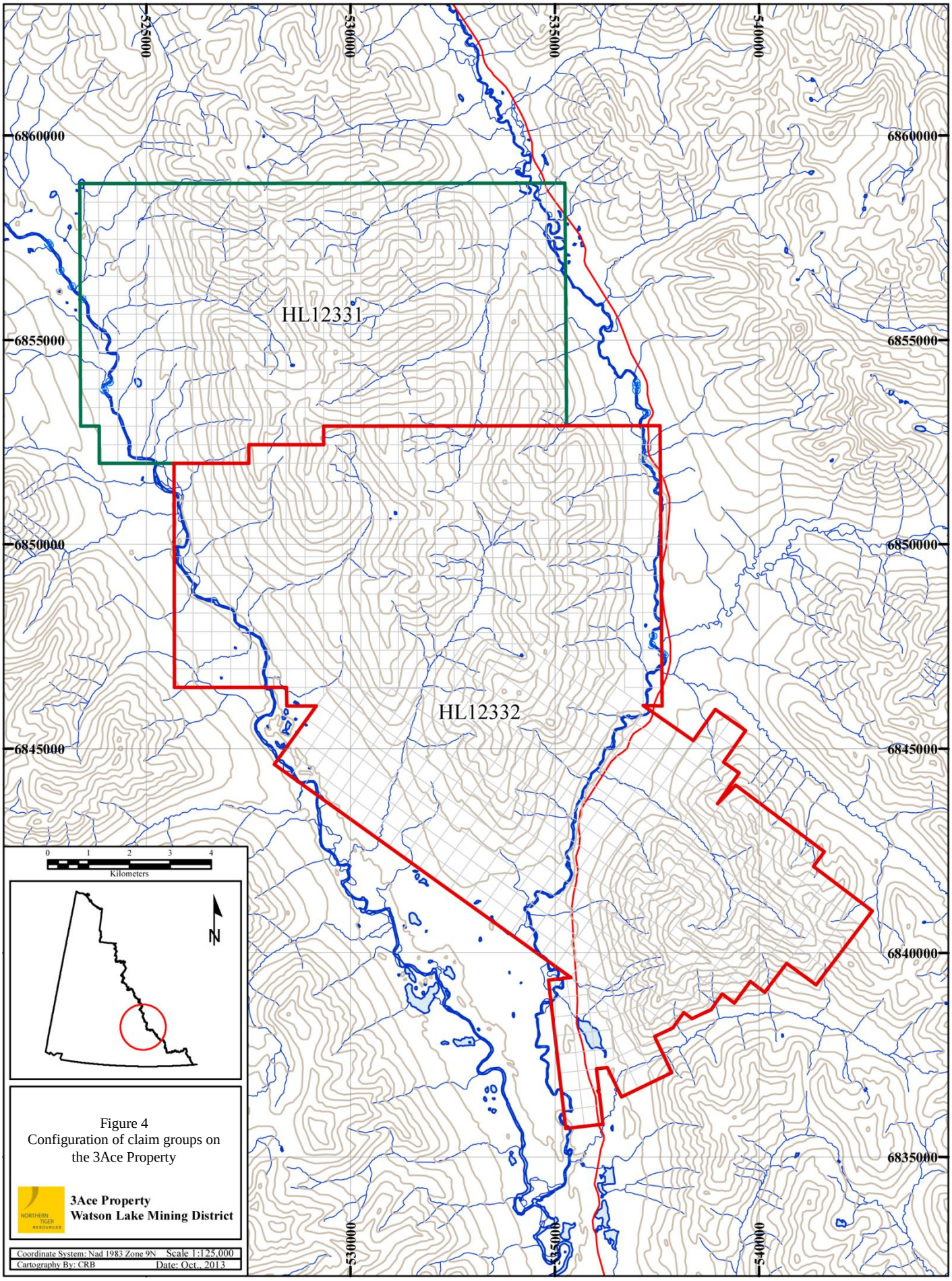
Table 4 3Ace Property - 2012 Expenditure Summary

	Total Expenditures ($) HL12332	Notes
	$298,400.00	**Required expenditure for 4-year renewal**
Analytical Charges - Drill Core Samples	$48,050	core samples @ $50
Diamond Drilling	$328,678	1,711 m
Transportation: Helicopter-Helidynamics	$217,400	$1,250 per hour
Transportation: Helicopter-Trans North	$3,417	
Transportation: Helicopter-Firefly	$3,900	
Report Writing	$5,000	
Personnel Cost	$368,420.00	
Camp Operation Cost	$175,812.50	1,417.5 personnel days@$125/day
TOTAL EXPENDITURES	**$1,150,678**	

9.0 2012 Program Summary

Northern Tiger Resources 2012 exploration program focused on drill testing targets generated during the 2011 exploration season. The work was comprised primarily of diamond drilling completed from May 20, 2012 to July 31, 2012. An abnormally excessive snow pack lingering into early-June initially delayed the drilling. Flash flooding in mid-June washed out several sections of the Nahanni Range Road forced the temporary closure of the 3Ace camp, until July 4, 2012, while bridges were installed. The program employed up to 36 full-time and contract employees (Appendix A).

The 2012 drill program focused on expanding the extent of Au-mineralisation at the Main Zone and new targets identified by the 2011 regional exploration program. In addition to the Main Zone, holes were drilled to test soil anomalies and bedrock alteration (e.g., arsenopryite, pyrite, iron carbonate alteration, and anomalous gold concentrations) exposed in trenches at the Main Zone West, Kaiser Trend, Green Zone East, and Schultz prospects. At the Sleeping Giant Zone trenching exposed additional quartz veins with visible gold and abundant sulphide mineralization. A series of 7 short, 50 m holes were drilled to determine the dip- and strike-extent of the Au-bearing quartz veins exposed in the trenches. The presence of alteration, indicator sulphide mineralisation, and strongly anomalous gold assays at each of these early stage prospects highlights the prospectivity


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HL12331
HL12332
0 1 2 3 4
Kilometers
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Figure 4
Configuration of claim groups on
the 3Ace Property
3Ace Property
Watson Lake Mining District
Coordinate System: Nad 1983 Zone 9N Scale 1:125,000
Cartography By: CRB Date: Oct., 2013

for Au-mineralisation and Northern Tiger Resources remains optimistic regarding the potential for significant gold mineralization on the 3Ace Property.

All of the geochemistry samples were analysed by Inspectorate Exploration & Mining Services Ltd. of Vancouver, BC (Inspectorate). Samples were picked up from the 3Ace camp by Inspectorate personnel and transported to the Inspectorate prep lab in Whitehorse, YT; where the samples were processed for analysis in Vancouver, BC. Detailed descriptions of the sample preparation and analytical techniques used for the 3Ace samples are presented in Appendix B. The signed geochemistry certificates are presented in Appendix E (see volume 2).

The results of the 2012 3Ace Property exploration program are discussed in detail in Section 10.0.

10.0 Diamond Drilling

A diamond drill program was completed on the 3Ace Property between July 4, 2012 and July 31, 2012. At total of 1,711 m was drilled in 15 holes at six different prospects on the 3Ace Property, including the Main and Sleeping Giant zones (Table 5). The drill contractor, Driftwood Drilling of Smithers, BC, utilised a single, heli-portable drill rig to complete the drill program.

The core was transported from the drill by helicopter and logged at the 3Ace exploration camp. The 2012 core is cross-stacked in the camp (i.e., 535580E, 6839746N), a permanent core storage for the 3Ace Property. Drill core characteristic of mineralisation at the Main and Sleeping Giant zones the 2010 drill program is permanently stored at the Yukon Geological Survey's core library in Whitehorse, YT.

The results of the drill program were variable at each of the drilled zones, but multi-metre intersections of anomalous to moderate-grade gold concentrations were intersected at each zone and several high-grade intervals were intersected at the Main Zone. Cross-sections for each of the drill holes are presented in Appendix C (see this volume) and drill logs are presented in Appendix D (see volume 2). The drilling results at each zone are described in the following sub-sections.

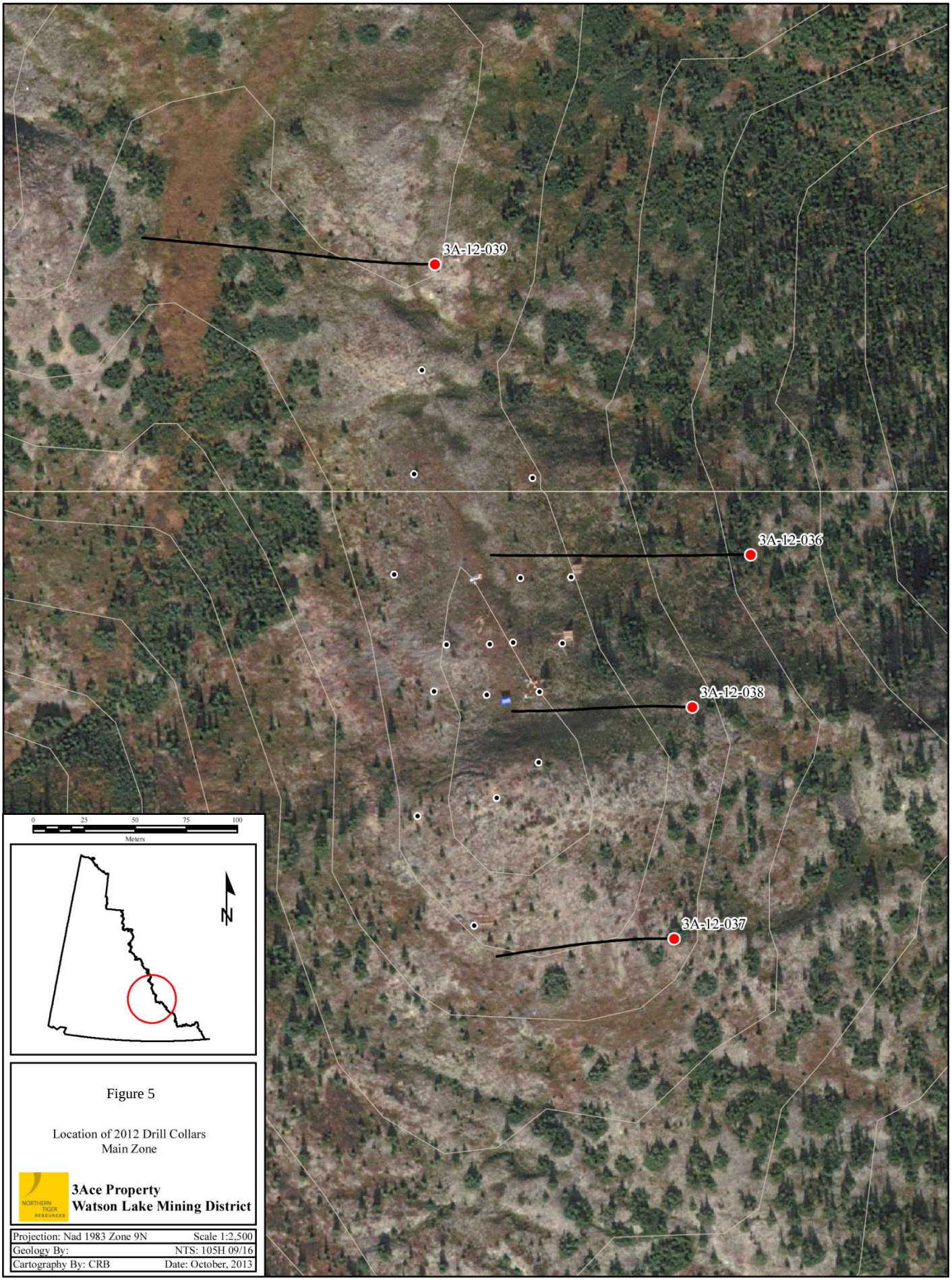
10.1 Main Zone

The Main Zone is the most significant Au mineralised zone on the 3Ace Property. Surface sampling in 2010 extended the discovery outcrop for 50 m along strike and

Table 5 2012 Drill Collar Information										
Hole ID	**Prospect**	**Grant No.**	**Easting**	**Northing**	**Elevation**	**Size**	**Finish**	**Plunge**	**Azimuth**	**EOH**
3AGZ-12-001	Green Zone East	YC72446	534096	6845806	1647	HQ	2012/07/31	60	150	147
3AKT-12-001	Kaiser Trend	YC89527	532910	6845003	1546	HQ	2012/07/28	50	225	178
3A-12-036	Main Zone	YC72728	533840	6843945	1498	HQ	2012/07/11	60	270	285
3A-12-037	Main Zone	YD07124	533802	6843757	1520	HQ	2012/07/13	60	270	183
3A-12-038	Main Zone	YD07124	533811	6843870	1526	HQ	2012/07/21	60	270	192
3A-12-039	Main Zone	YC72728	533686	6844087	1556	HQ	2012/05/25	50	270	231
3AMW-12-001	Main Zone West	YC72730	533453	6844204	1560	HQ	2012/07/29	50	270	72
3ASC-12-001	Schultz	YC72445	533843	6845357	1645	HQ	2012/08/01	50	140	57
3ASG-12-001	Sleeping Giant Zone	YC72727	534650	6844078	1207	HQ	2012/07/14	50	285	51
3ASG-12-002	Sleeping Giant Zone	YC72727	534669	6844102	1213	HQ	2012/07/15	50	290	51
3ASG-12-003	Sleeping Giant Zone	YC72727	534614	6844181	1252	HQ	2012/07/16	50	300	51
3ASG-12-004	Sleeping Giant Zone	YC72727	534591	6844263	1271	HQ	2012/07/17	50	310	51
3ASG-12-005	Sleeping Giant Zone	YC72727	534557	6844287	1283	HQ	2012/07/17	50	310	51
3ASG-12-006	Sleeping Giant Zone	YC72727	534611	6844345	1276	HQ	2012/07/18	50	310	60
3ASG-12-007	Sleeping Giant Zone	YC72727	534643	6844058	1207	HQ	2012/07/19	50	305	51

identified multiple, en echelon Au-bearing quartz veins that delineate the north-northwest striking Main Zone Fault (Buchanan, 2010). Chip samples of the quartz veins returned multiple high-grade assays (Schulze and Buchanan, 2010). The four 2012 Main Zone drill holes were designed to test targets generated from the modeling of 2010 and 2011 drill results. A total of 891 m was completed to test four of the highest priority targets identified by the modelling (Figure 5). These targets were selected to test the strike extent of mineralisation to the north and south, and the down plunge/dip extent of a high-grade shoot.

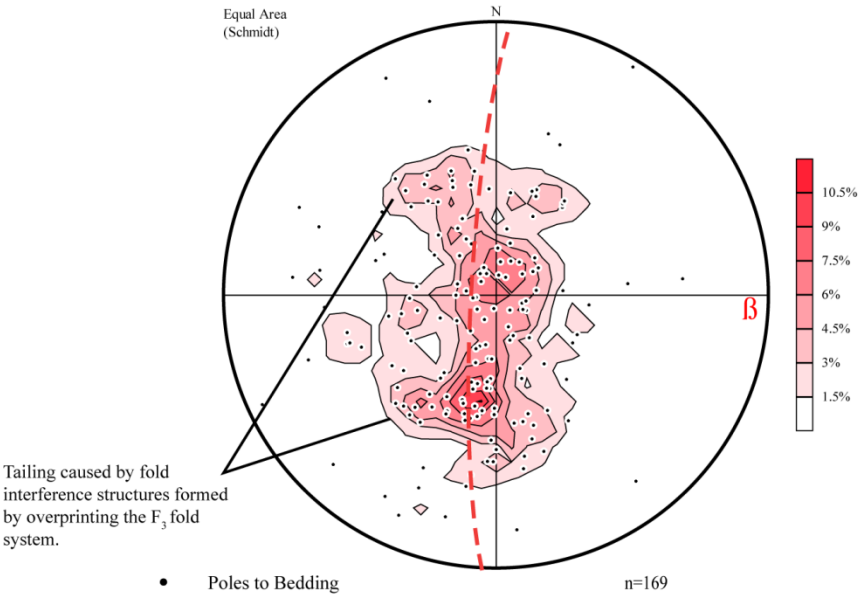
The geology of the Main Zone is comprised of interbedded packages of coarse-grained arkosic sandstone and quartz pebble conglomerate interbedded with thin bedded phyllite and siltstone units. The clastic lithologies were deposited in small scale channel sequences and form lenticular bodies that are difficult to correlate as mappable units. However, the overall sequences form 25 m to 50 m thick packages with significant areal


3A-12-039
3A-12-036
3A-12-038
3A-12-037
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75
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Meters
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Figure 5
Location of 2012 Drill Collars
Main Zone
3Ace Property
Watson Lake Mining District
Projection: Nad 1983 Zone 9N
Scale 1:2,500
Geology By:
NTS: 105H 09/16
Cartography By: CRB
Date: October, 2013

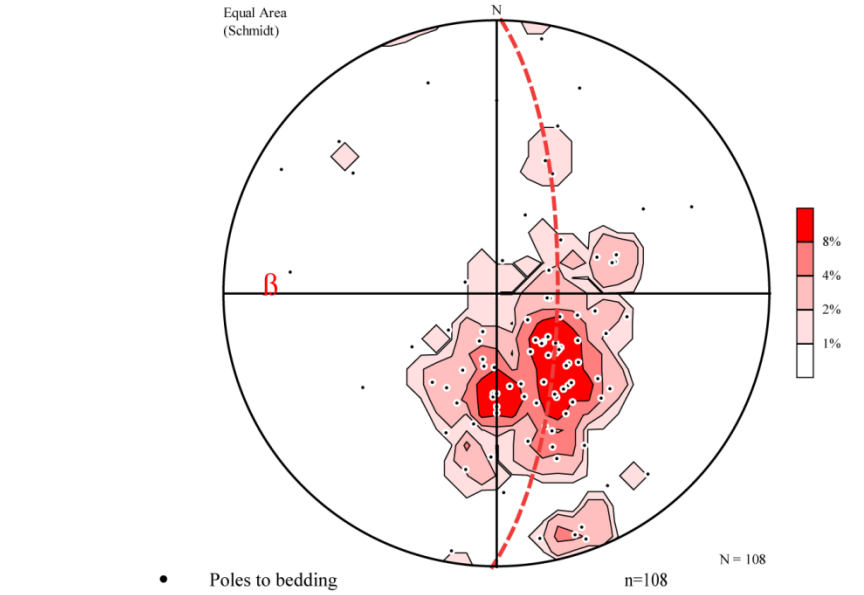
extent and can be correlated between drill holes. The 2011 drilling indicated the presence of two main clastic packages, Unit A and Unit B and the deepest drill hole finished in an arkosic sandstone unit that suggests the presence of the third clastic package at depth (Buchanan et al. 2012). The clastic packages are interbedded with three phyllite sequences which are 15m – 25m thick. The stratigraphy intersected by the 2012 drill holes is consistant with the stratigraphic model proposed by Buchanan et al. (2012).

The clastic stratigraphy at the Main Zone is observed to be westerly striking and moderately north dipping, forming a homoclinal sequence in the vicinity of the prospect. The orientation of siltstone beds within the phyllite units is much more variable and parasitic folds are observed throughout the drill core intersections. Lower hemisphere, equal area pole plots of bedding measurements collected from oriented core display a diffuse orientation pattern that forms a discreet girdle with an orientation of 183/07 RH (Figure 6a). This dataset is consistent with bedding data collected from the regional F_2 fold system (Figure 6b); a south- to southwest verging, gently east-plunging asymmetric fold system associated with thrust faults (Buchanan, 2010). The asymmetric F_2 folds are characterized by extensive back limb domains and areally restricted fore limb domains. At the north and south end of the girdle distribution the bedding data form tails that are oriented along east-west trending girdles (Figure 6a). This orientation sub-pattern in the dataset is attributed to bedding data measured from F_3 folds and reflect the influence of fold interference structures on the early generations of folds. A lower hemisphere, equal area plot of bedding measurements collected from outcrops demonstrates that the northerly dipping back limb domain has been oversampled and forms a distinct point maximum along the southern extent of the girdle (Figure 6b). Variation in the girdle orientation between figures 10.2a and 10.2b illustrates the non-cylindrical, doubly plunging nature of the F_2 fold system (i.e., 07^o-093^o and 18^o-271^o, respectively).

Brittle-ductile to brittle faults delineated by extensive clay gouge, disrupted bedding, breccia, and cataclastic shear zones are common at the Main Zone. At surface the Main Zone Fault is delineated by a set of 1 meter thick, steeply dipping, en echelon quartz veins with an orientation of $345^o/70^o$ RH. However, drilling to has only intersected voluminous, but thin, discontinuous quartz veins. Typically individual faults



a. Pole plot of bedding measurements collected from oriented drill core at the Main Zone.



b. Pole plot of bedding measurements collected from outcrop across the property. The prominent point maxima represents data collection biased to the more commonly exposed northerly-dipping back limb of the F_2 fold system.

Figure 6 Lower hemisphere, equal area plots of the poles to bedding measurements collected on the 3Ace Property.

and quartz veins cannot be correlated across sections, or even from drill hole to drill hole on the same section. The extent of brecciation, abundance of clay gouge, and pervasive alteration suggests the Main Zone occurs within a step-over domain between a western and eastern segment of the Main Zone Fault. The youngest structural event affecting the Main Zone are a series of steeply-dipping, westerly striking normal faults that form distinct lineaments on the satellite image. The normal faults account for approximately 15m of stratigraphic offset, but the strike-slip component of the net displacement is unknown. The true geometry and kinematics of the faults at the Main Zone may not be fully understood until the zone is exposed in an adit or pit, but undoubtedly complicate and disrupt the continuity of mineralization at the zone.

A QA/QC review of oriented core data identified possible small circle distribution of bedding. Data collected in drill holes 3A-11-10A and 3A-11-15A displayed a possible small circle distribution, an indication that the core was rotated during the orienting process. All of the 2012 structural data forms a cluster in the NW quadrant of the stereonet, an orientation pattern that is inconsistent with the general orientation pattern of fold systems identified on the property. Recalculating the data using the top of the ellipse, as opposed to the bottom, yields orientation data that lies on the girdle presented in Figure 6a. Due to the degree of uncertainty regarding the quality of the data, these three subsets were not included in this analysis. A rigorous QA/QC protocol to quantify and record the level of confidence in the precision orientation marks should be developed for the 3Ace Project. The QA/QC protocol will make it easier to identify poor quality orientation data and justify removing it from the dataset.

Modelling of the 2011 geochemistry, stratigraphy, and structure of the zone in Leapfrog suggested the presence of a moderately to steeply, northeast plunging chute of high-grade gold mineralisation in the central portion of the zone (Figure 7). The 0.5 g/t grade shell, displayed in green, was an important tool for targeting the 2012 drill holes. All four of the drill holes targeted areas of the Main Zone where the deposit model indicated a high-probability that Au mineralization could be extended. All four of the holes successfully intersected low- to moderate-grade concentrations of gold and arsenic. The specific results of each drill hole are discussed below:

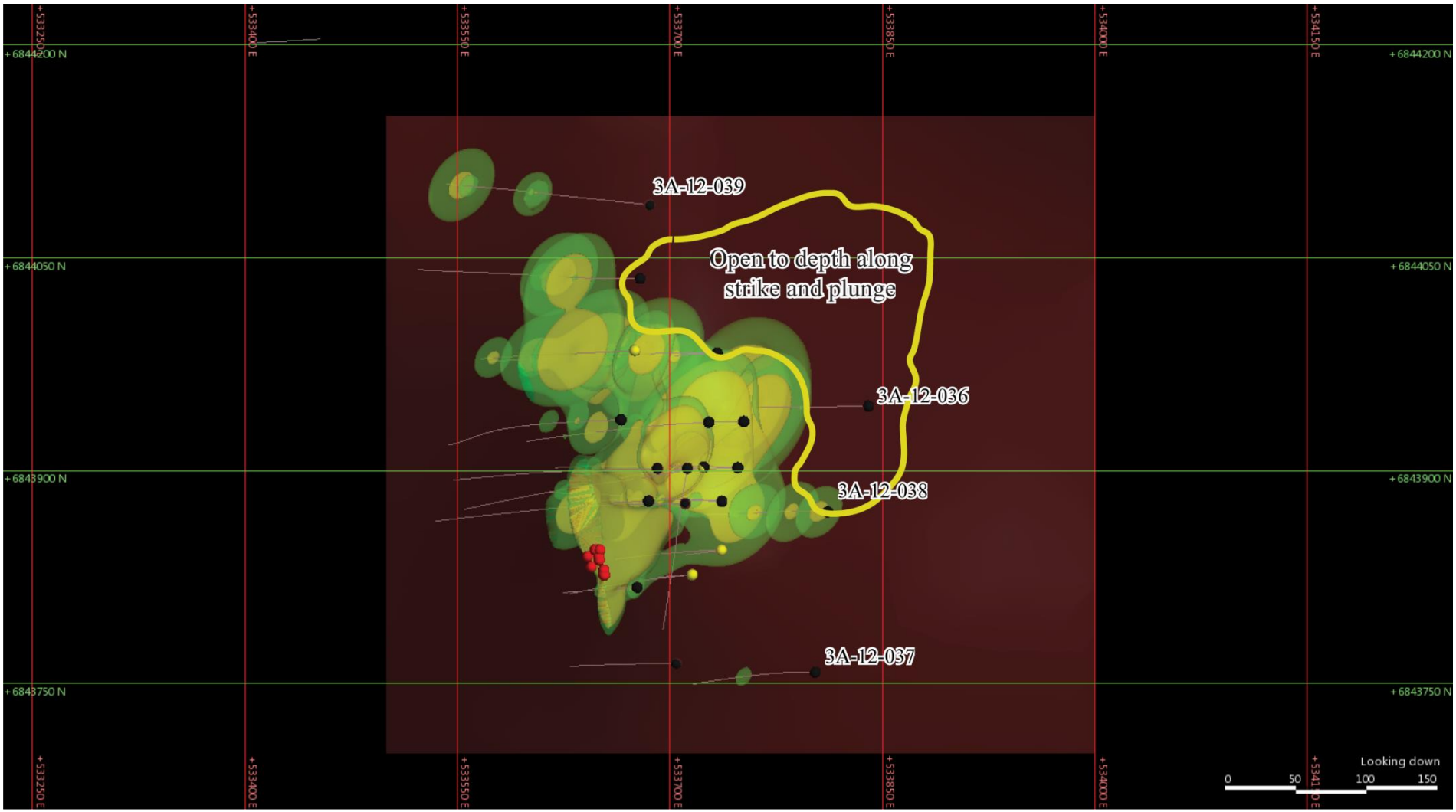


Figure 7 A plan view of the Main Zone 3D model generated with Leapfrog. The map illustrates the extent of Au mineralisation and the location of the 2012 drill holes. Two, transparent grade shells are present in the map, green is 0.5 g/t Au and yellow is 1.0 g/t Au. Black dots are 2011 and 2012 drill collar locations; yellow dots are 2012 collar locations; red dots are channelsample locations.

10.1.1 3A-12-036

This hole was targeted to intersect the high-grade shoot and extend the plunge extent by 50m (figures 10.1 and 10.3). The stratigraphy of the hole is comprised of thick packages of coarse-grained arkosic sandstone and quartz pebble conglomerate interbedded with black phyllite. The clastic intervals correlate with units A and B that were identified in 2011 (see Appendix C). In the upper part of the hole only minor faults are present, several narrow clay gouge faults occur within the phyllite and upper clastic units. A narrow zone of low-grade gold occurs within the first clastic package, but has a maximum gold concentration of 0.7 g/t (Table 6). The Main Zone Fault was intersected from approximately 157m to 238m. The hanging wall boundary of the fault zone is distinguished by an increase in the volume of quartz veins with sulphide mineralization, the intensity of the pervasive wall rock alteration, and frequency of fault gouge and breccia zones.

Low-grade Au mineralization is present throughout the entire fault zone (Table 6) and the best intersection is 1.5 g/t Au over 45.4m. This interval contains individual samples of 10.9 g/t Au over 1.0m and 15.7 g/t Au over 0.8m. Clay, iron carbonate, sericite, and quartz-carbonate veins are the common alteration products associated with mineralization. The alteration is distributed in fractures and quartz veins. Pyrite and arsenopyrite are the common sulphide minerals present in the mineralized zone and are typically hosted by quartz veins. A small amount of the pyrite is disseminated through the clastic host rocks. Trace amounts of pyrrhotite and sphalerite are also present in the core. The association of Au mineralization and arsenopyrite is highlighted by the halo of anomalous to above detection arsenic concentrations throughout the Main Zone Fault (see Appendix C).

3A-12-036 successfully extended the extent of the high-grade ore shoot, leaving the Main Zone open at depth.

10.1.2 3A-12-037

This hole was designed to extend the southern strike length of the Main Zone Fault (Figure 5). In 2011 3A-11-024 was drilled south of the discovery outcrop, but did not intersect significant mineralisation or structure. 3A-12-037 is located 100m east of 3A-11-024 to test the hypothesis that the Main Zone Fault stepped to the east side of the ridge, forming a structurally complex step-over zone at the Main Zone.

The hole intersected a broad interval of arkosic sandstone and quartz pebble conglomerate in the upper portion of the hole. The final 43m was competent black phyllite with minor quartz veins(see Appendix C). The Main Zone Fault was intersected from 81.0m to 139.8m. The fault zone at this location is characterised by abundant, broad cataclastic shear zones, clay fault gouge, and abundant quartz veins. Significantly the fault zone occurs in the immediate hanging wall of the clastic/phyllite contact.

Mineralisation and alteration are largely constrained to the Main Zone Fault (i.e., 81.0m to 139.8m). A second, narrow interval of alteration and mineralisation, associated with quartz stockwork and brittle fault zones, is present higher in the hole from 36.0 m to 57.0m. However, assays only indicate slightly elevated arsenic in through this interval. Anomalous gold concentrations and low-grade gold mineralisation is distributed throughout the Main Zone Fault. Table 6 presents the two most significant results from this interval. Arsenic is highly anomalous throughout the interval, ranging between 0.3 ppm and 8256.5 ppm, where 56% of the interval is greater than 100 ppm. Alteration associated with the mineralisation includes pyrite, arsenopyrite, clay, iron carbonate, sericite, and quartz-carbonate veins.

Although the assay results from 3A-12-037 are not exceptional the hole demonstrates that the Main Zone Fault extends southward along the eastern side of the ridge. The presence of the quartz veins, strong alteration, and anomalous pathfinder elements indicates that hydrothermal fluids associated with the Main Zone mineralization passed through this structure.

10.1.3 3A-12-038

This hole targeted an untested area below the Main Zone mineralisation and southeast of the high-grade shoot (Figure 5). The hole was drilled to delineate the width of the high-grade shoot.

3A-12-038 intersected two clastic intervals interbedded with black phyllite. The upper interval is comprised of arkosic sandstone and quartz pebble conglomerate and is correlated with Unit A. The deeper clastic package is predominantly arkosic sandstone, which is correlated with Unit B (see Appendix C). Two principle structures were intersected in the hole from 51.0 m to 70.3 m and 103 m to 149 m. The first interval is characterised by an increased abundance of quartz veins and several discreet, narrow

brittle fault zones characterised by brecciation of the sandstone wall rock. The second fault zone is interpreted to be the down dip extension of the Main Zone Fault. It is characterised by a high volume of quartz and quartz-carbonate veins, clay gouge zones, brecciation, cataclastic shear zones, and narrow brittle-ductile shear zones.

Mineralisation is primarily constrained to the two main fault zones. The alteration is comprised of clay, sericite, iron carbonate, and silicification. Sulphide mineralisation is comprised of pyrite and arsenopyrite. Notably, a single grain of visible gold was observed on the selvedge of a quartz vein located between 135.0 and 138.0 m, corresponding to a gold concentration of 8.3 g/t over 1.0m. Elevated to highly anomalous concentrations of arsenic form halos around the two major fault zones, but also highlight a set of less significant brittle faults and associated quartz veins near the top of the hole (see Appendix C). The widest intersection in the hole, 0.6 g/t Au over 16.9m, is located within the interpreted extension of the high-grade shoot. The composited sample is low-grade, but contains individual samples of 1.6 g/t Au and 2.5 g/t Au. A narrow high-grade intersection of 3.6 g/t Au over 8.6m occurs near the footwall boundary of the fault zone. The composite contains individual samples of 1.7 g/t Au, 2.8 g/t Au, 8.3 g/t Au, and the highest grade sample of 20.4 g/t Au. The distribution of Au at the Main Zone is considered to be 'nuggety' and the presence of the medium-grade samples suggests that width of the shoot may not be adequately tested. The strongest alteration and highest grade mineralisation occurs near contacts between the two clastic packages and the intermediate black phyllite unit. This relationship is common at all the 3Ace prospects. It is currently interpreted to be the result of enhanced fluid pathways along the contacts (i.e., stratigraphic controls) and the coincidental structural juxtaposition of phyllite and clastic units.

3A-12-038 intersected a 17m wide interval of low-grade Au mineralisation where the high-grade shoot was interpreted to be intersected. The hole successfully intersected the Main Zone Fault and demonstrated the presence of prospective structure, alteration, and mineralised fluids at depth in the Main Zone.

10.1.4 3A-12-039

This was designed to the test the northern strike extent of the Main Zone Fault (Figure 5). 3A-11-035, located 50 m to the south, intersected gold mineralisation hosted in a clastic package at an elevation of 1450mASL.

The hole intersected a thick succession of black phyllite, which is the stratigraphically highest unit at the Main Zone Prospect (see Appendix C). A narrow clastic package occurs from 125m to 140m and is comprised of arkosic sandstone, quartz pebble conglomerate with abundant quartz veins. A second black phyllite unit overlies a 36m thick succession of interbedded arkosic sandstone, quartz pebble conglomerate, and minor phyllite beds that are tentatively correlated to Unit A. The upper phyllite interval is strongly faulted with abundant clay gouge, cataclastic shear zones, brecciation, and poor recovery. The upper contact of the first clastic package is tectonised and overprinted by quartz veins, demarcating the boundary of a fault the strongly disrupts the clastic package. A second fault zone associated with mineralisation occurs from 188m to 220m and is characterised by intense brecciation, quartz veins, clay fault gouge. Brittle fault structures are extensively developed in the black phyllite units and occasionally contain sulphide-bearing quartz veins, a rare occurrence in the phyllite. The unusual intensity of structure in the phyllite unit at the north end of the Main Zone is interpreted to be caused by a late, steeply-dipping, east-west striking brittle fault. The geometry and shear sense of the fault population is poorly constrained, but form distinctive lineaments that can be mapped from imagery.

Alteration in 3A-12-039 is comprised of extensive, intense clay development, particularly in the faulted phyllite sections. The alteration of the clastic intervals is comprised of moderate clay alteration, sericite, carbonate veins, silicification, quartz veins, quartz carbonate veins, and minor amounts of ankerite. Sulphide mineralisation also occurs throughout the hole in the form of disseminated pyrite. Pyrite, arsenopyrite, trace galena, and gold occur in association with the quartz veins formed in the clastic units (i.e., 125m to 140m and 188m to 220m). Two principal intervals of gold mineralisation were intersected in the clastic units (Table 6). The widths of each interval exceed 10m, but are low-grade. The first interval (i.e., 123m to 138m) contains individual assays of 1.2 g/t Au and 1.3 g/t Au and the second interval (i.e., 203m to

217m) contains an individual assay of 1.4 g/t Au. Arsenic, as is common at the Main Zone, is highly anomalous through both intervals, ranging from 34 ppm to 7,592 ppm.

Table 6 Table of Selected, Significant Results at the Main Zone

Hole	Zone	Azimuth	Dip	EOH (m)	Interval (m)	Width (m)	Gold (g/t)
3A-12-036	Main Zone	270	60	285	**101-103**	**2.0**	**0.7**
					157-185	**28.0**	**0.8**
					incl. 166-169	3.0	4.0
					incl. 163-183	20.0	1.0
					192.7-238.1	**45.4**	**1.5**
					incl. 194.37-201	6.6	2.3
					incl. 213.35-217	3.6	7.5
					252-258	**6.0**	**0.6**
3A-12-037	Main Zone	270	60	183	**102-105**	**3.0**	**0.6**
					128-130	**2.0**	**0.5**
3A-12-038	Main Zone	270	60	192	**13-13.7**	**0.7**	**6.8**
					51.3-66.42	**15.1**	**0.6**
					107.5-124.4	**16.9**	**0.5**
					incl. 107.5-114	6.5	1.2
					135.4-144	**8.6**	**3.6**
					incl. 135.4-136.4	1.0	8.3
					181.35-185.35	**4.0**	**0.6**
3A-12-039	Main Zone	270	50	231	**122-134**	**12.0**	**0.7**
					incl. 129-132	3.0	1.3
					184.3-185.67	**1.4**	**1.0**
					203-217	**14.0**	**0.6**

3A-12-039 successfully extends the northern strike extent of the Main Zone Fault by 50 m. Only low grade gold mineralisation was intersected in the hole, but the presence of two broad intervals of mineralisation demonstrates that mineralised fluid passed through the structures. If the lower clastic package is correlatable to Unit A then it represents a deeper exploration target that has not been adequately drill tested north of the Main Zone.

10.2 Sleeping Giant Zone

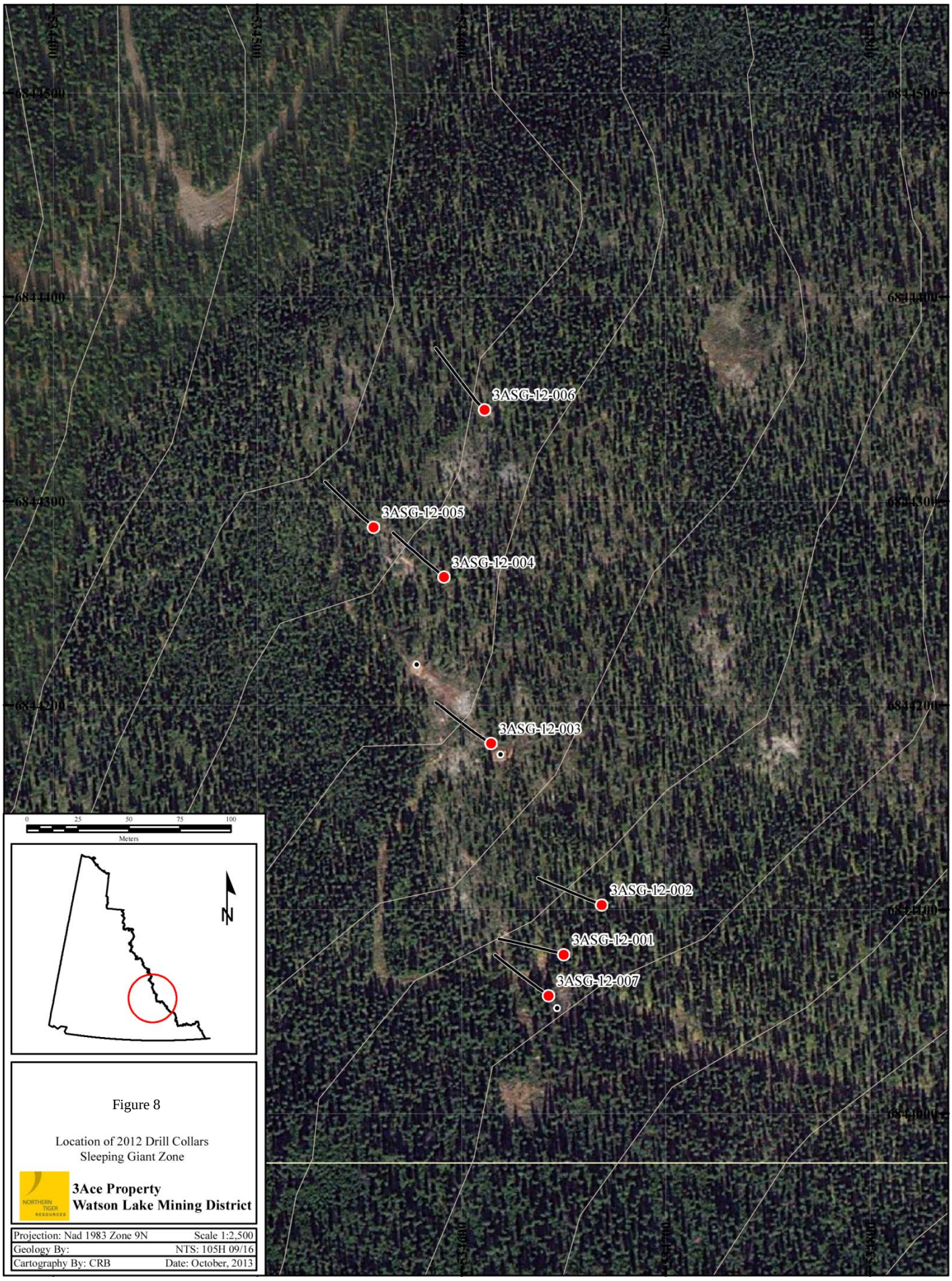
The Sleeping Giant Zone was discovered during the 2010 exploration program (Schulze and Buchanan, 2010). The zone is a series of gently to moderately dipping Au-bearing quartz veins hosted in quartz pebble conglomerate interbedded with black phyllite. Chip samples across the main exposures of the quartz veins in 2010 yielded abundant multi-gram samples, 'bonanza' grades, and several visible gold occurrences. However, the 2010 drill program did not intersect the surface mineralisation at depth (Hayes, 2010a). However, due to the extent of mineralised quartz veins and tenor of the

gold concentrations from surface samples this prospect remains a high-priority exploration target.

A total of seven 50m drill holes were completed on the zone (Figure 8). Each of the drill holes target a surface or trenched quartz vein exposure with high-grade gold assay and/or visible gold occurrences. The drill was mounted on skids during this portion of the drill program, unfortunately this configuration combined with steep terrane and shallow overburden limited the number of viable drill pads.

The Sleeping Giant Zone is underlain by a sequence of interbedded arkosic sandstone, quartz pebble conglomerate, and black phyllite. The detailed stratigraphy is not well understood at this project due to the lack of exposure and drill fences. However, the phyllite intersections in 3ASG-12-006 and 3ASG-12-001 suggest that the mineralised quartz veins are predominantly hosted by a clastic package with a vertical thickness of approximately 70m (see Appendix C). The structure at the Sleeping Giant Zone is complex with multiple generations of brittle-ductile and brittle fault zones. Trench mapping has demonstrated the presence of steeply-dipping north-, east-, and northeast-striking fault zones. Notably, where shear sense can be determined the northeast-striking faults display sinistral-normal sense of shear. All of the faults crosscut the mineralised quartz veins and locally limit the strike and dip extent of individual vein segments. The most significant mineralised quartz veins have an orientation of 040/45^{o} (RH). Oblique striations (35^{o}-080^{o}) on the surface of the veins are interpreted to suggest the veins are associated kinematically with the sinistral northeast-striking faults. Stockworks formed by thin, discontinuous quartz veins are abundant on surface and account for the majority of the quartz veining observed in the drill holes. The stockworks are erratically mineralised and are characterised by low-grades over short intervals (e.g., 3ASG-12-002, 003, 005, and 006; Table 7). Alteration at the Sleeping Giant Zone is comprised of clay, sericite, iron carbonate, and pyrite. The distribution and intensity of the alteration is controlled by the proximity and density of quartz veins.

Mineralisation at the Sleeping Giant Zone is characterised by the presence of pyrite+arsenopyrite±gold. Drill sections from each of the 2012 drill holes display broad intersections of highly-anomalous to above detection As, which correlates to medium- and coarse-grained arsenopyrite in the core (see Appendix C). However, Au


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Figure 8
Location of 2012 Drill Collars
Sleeping Giant Zone
3Ace Property
Watson Lake Mining District
NORTHERN TIGER RESOURCES
Projection: Nad 1983 Zone 9N
Scale 1:2,500
Geology By:
NTS: 105H 09/16
Cartography By: CRB
Date: October, 2013

concentrations are often limited to narrow, low- to medium-grade intersections within the arsenic halo. The best assay results from the seven drill holes are presented in Table 7. 3ASG-12-001 and 3ASG-12-007 contained the best intersections at the Sleeping Giant Zone. The 25m spaced holes targeted the strike-length of a 10m-12m thick quartz vein with abundant coarse grained visible gold. Channel samples collected prior to drilling returned multiple 'bonanza' grade assays, the best of which was 449 g/t Au over 5.2m, including 1,882 g/t Au over 1.0m (Hayes, 2012). The lack of very high-grade Au assays from the drill holes is interpreted as in indication of the nuggety nature of the gold distribution in the quartz vein system.

Table 7 Table of Significant Results at the Sleeping Giant Zone

Hole	Zone	Azimuth	Dip	EOH (m)	Interval (m)	Width (m)	Gold (g/t)
3ASG-12-001	Sleeping Giant Zone	285	50	51	**6-16**	**10**	**1.3**
				incl.	6-9	3	3.14
3ASG-12-002	Sleeping Giant Zone	290	50	51	**24-25**	**1**	**6.4**
					31-32	**1**	**1.1**
					37-38	**1**	**0.6**
3ASG-12-003	Sleeping Giant Zone	300	50	51	**18-19**	**1**	**0.7**
					40.8-42	**1.2**	**0.3**
3ASG-12-004	Sleeping Giant Zone	310	50	51	**42-43**	**1**	**0.4**
3ASG-12-005	Sleeping Giant Zone	310	50	51	**44.2-46**	**1.8**	**1**
3ASG-12-006	Sleeping Giant Zone	310	50	60	**35-36**	**1**	**0.5**
					41-42	**1**	**0.4**
3ASG-12-007	Sleeping Giant Zone	305	50	51	**7-14.27**	**7.3**	**3.3**
				incl.	8-10	2	8.9
					20-26	**6**	**1.2**
				incl.	20-22	2	3.1
					44-48	**4**	**2.1**

The Sleeping Giant Zone is a system of discontinuous, but significant quartz vein segments with complex, poorly constrained structural controls. The most apparent control on the distribution of quartz veins and associated mineralisation is the orientation of the clastic package and the geometry of the intersection between stratigraphy and the controlling faults. Although the series of short drill holes tested several parts of the structure, longer holes will be required to test the dip extent of stratigraphy and the controlling structure. An additional problem at the Sleeping Giant Zone is the inaccuracy of the available DEM, which underestimates the topography. Discrepancies in the elevation of drill hole collars and outcrop/trench locations makes it challenging to construct an accurate model of the geological and structural components of the zone. A

more accurate DEM, generated either from a land surveyor or LiDar, is required for this zone.

10.3 Main Zone West

Drill hole 3AMZW-12-001 was targeted on a combination of anomalous soil samples and mineralised quartz veins in outcrops and trenches (Figure 9). Au- and As-in-soil anomalies were highlighted by the 2010 soil grid (Schulze and Buchanan, 2010), which additional soil sampling extended northwards into the Kaiser Trend. Follow-up prospecting discovered two rock samples that yielded gold concentrations of 1.8 g/t Au and 1.1 g/t Au (Buchanan et al., 2012). Arsenic concentrations were anomalous in fifteen (15) the samples and elevated in all twenty-four samples. Postulated to represent the northwest extension of the Main Zone Fault, the surface results were compelling enough to justify a drill target at Main Zone West.

The top portion of the drill hole intersected two intervals of coarse grained sandstone (10.5m and 15m thick, respectively) separated by a 7.5m thick package of interbedded black phyllite. The remaining 36m of the hole is comprised of graphitic, black phyllite and interbeds of subordinate buff siltstone. Brittle fault zones delineated by brecciation, clay gouge development, quartz tension vein arrays and stockwork quartz veins are common throughout the hole. However, quartz veins are most abundant near the base of the lower sandstone package in the interval 24.9m to 36m. Two discreet clay gouge filled brittle faults are also present within this zone, coincident with increased alteration, and gold-bearing sulphide mineralisation.

Alteration at Main Zone West is characterised by clay, weak ankerite, and trace pyrite. The alteration occurs along fractures, vein selvedges, and within quartz veins (e.g., ankerite). Although the alteration package is consistent with other prospects on the 3Ace property, it is not as intensely or pervasively developed at Main Zone West. The lower intensity of the alteration system is interpreted as an indication that the drill hole tested stratigraphy and structures that are distal to the main conduit of mineralised fluids.

Mineralisation in the hole consists of pyrite, arsenopyrite and trace gold. The highest grade interval of gold is 0.4 g/t Au over 6.0m from 30.0m to 36.0m. The highest grade sample in the hole was 33706, which yielded a gold concentration of 1.1 g/t. However, a subsequent metallic screen analysis reduced this to 0.68 g/t Au.

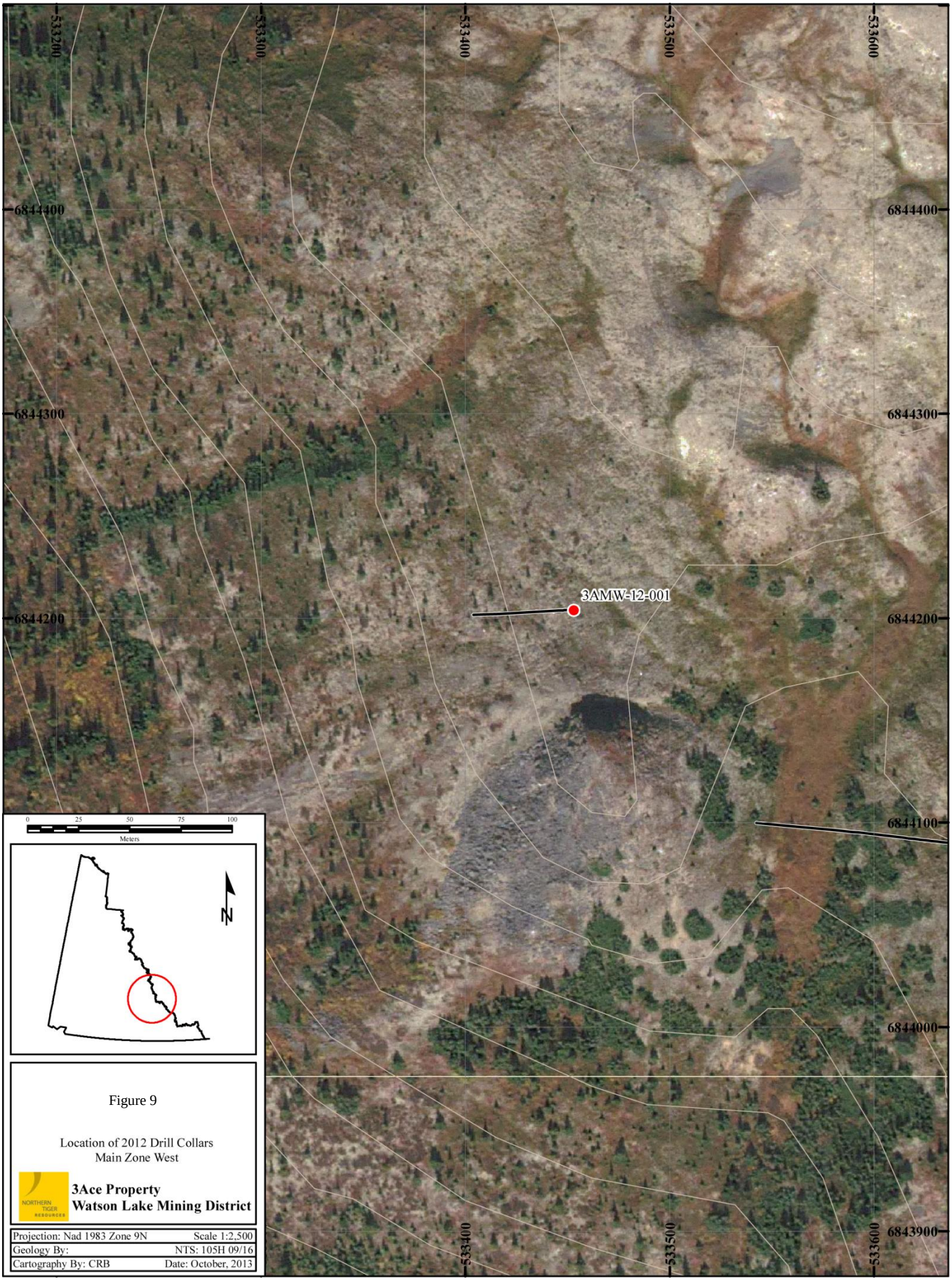

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Figure 9
Location of 2012 Drill Collars
Main Zone West
3Ace Property
Watson Lake Mining District
NORTHERN TIGER RESOURCES
Projection: Nad 1983 Zone 9N
Scale 1:2,500
Geology By:
NTS: 105H 09/16
Cartography By: CRB
Date: October, 2013

Table 8 Table of significant results at the Main Zone West							
Hole	**Zone**	**Azimuth**	**Dip**	**EOH (m)**	**Interval (m)**	**Width (m)**	**Gold (g/t)**
3AMW-12-001	Main Zone West	272	50	72	30-36	6	0.4

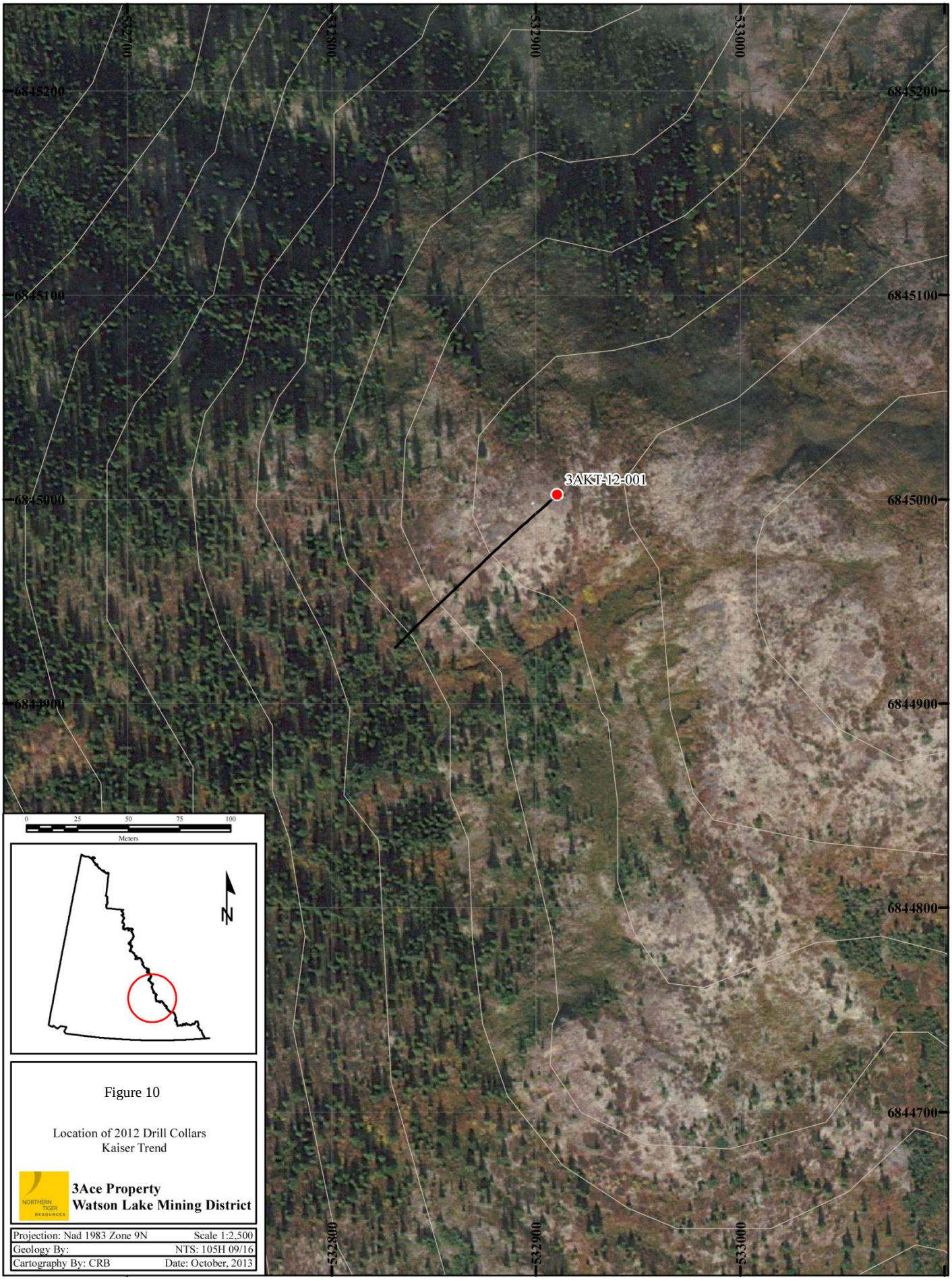
The mineralised interval at Main Zone West is narrow and low grade. However, 3AMW-12-001 demonstrated the presence of favourable stratigraphy, brittle structures, and mineralised fluids. Main Zone West is part of a broad, regional Au- and As-in-soil anomaly that has not been extensively explored due to the poor exposure along the western flank of the ridge. Continued trenching and prospecting, combined with ground geophysics is recommended to identify further drill targets. Reverse circulation drilling along a grid has also been proposed to rapidly test the extent of the Main Zone West/Kaiser Trend soil anomaly.

10.4 Kaiser Trend

Drill hole 3AKZ-12-001 was targeted to intersect a cluster of multi-gram soil samples located in the central portion of the Kaiser Trend soil anomaly (Figure 10). Outcrops are limited in this area, but trenches down slope of the drill collar exposed arkosic sandstone and quartz pebble conglomerate with minor quartz veining and extensive, moderate to strong iron carbonate and clay alteration. The intent of the drill hole was to test for structures controlling the fluids associated alteration and weakly anomalous gold mineralisation.

The drill hole was collared in a thick black, phyllite package. Although the phyllite hosted quartz veins at surface, no significant veins were intersected in the drill hole. Sandstone was intersected at 38m and the remainder of the hole was comprised of thick sandstone packages interbedded with black phyllite and siltstone. Clay fault gouge is common at the upper and lower contacts of the clastic packages and is interpreted to indicate the presence of bedding parallel faults. This type of fault movement along the bedding planes is consistent with flexural slip during the formation of the F_2 fold system. Brittle faults, indicated by quartz vein stockwork and clay gouge, are present throughout the entire hole. However, the most significant fault occurs at the contact between a coarse grained sandstone and underlying phyllite between 86m-108m. Core recovery is poor through this interval, but is comprised of clay fault gouge and broken core.

Alteration at the Kaiser Trend is comprised of white clay, silicification, chlorite, scorodite and locally minor ankerite. Limonite is ubiquitous through the hole, but is


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Figure 10
Location of 2012 Drill Collars
Kaiser Trend
NORTHERN TIGER RESOURCES
3Ace Property
Watson Lake Mining District
Projection: Nad 1983 Zone 9N
Scale 1:2,500
Geology By:
NTS: 105H 09/16
Cartography By: CRB
Date: October, 2013

considered to be associated with meteoric waters. Alteration is typically distributed along fractures in the country rock, within veins, or along vein selvedges. The most intensely developed alteration occurs within the faulted interval from 86m-107m. However, weak to moderate clay alteration and silicification is present throughout the hole. Interestingly, the most abundant interval of quartz veins occurs within a package of sandstone from 131.65m-141.81m, but is not associated with mineralisation or strong alteration. The lack of alteration and mineralisation in this interval may indicate the quartz vein stockwork is a different generation.

Gold mineralisation in 3AKT-12-001 is low grade, but extends through a significant portion of the core. Table 9 presents composites of the significant results from this drill hole. Three intervals of sub-gram gold assays are present in the hole, totalling 56.9m of low-grade mineralisation. The broadest interval of gold mineralisation (i.e., 0.6 g/t Au over 32.4m) is coincident with the brittle fault zone from 86m-108m. The highest-grade sample, 1.7 g/t Au over 3.0m, occurs in the middle of this zone and associated with brecciated country rock, fault gouge, and intense clay alteration. A second, narrow zone of gold mineralisation occurs from 163m-165.54m (Table 9); a stratigraphic contact between a coarse grained sandstone and thin-bedded, fine grained sandstone and subordinate phyllite. The mineralisation in this interval is associated with thin quartz veins that form a stockwork in the sandstone. Minerals associated with gold at the Kaiser Trend include pyrite, arsenopyrite, and scorodite.

Table 9 Table of significant results at the Kaiser Trend

Hole	Zone	Azimuth	Dip	EOH (m)	Interval (m)	Width (m)	Gold (g/t)
3AKT-12-001	Kaiser Trend	225	50	178	54-64	10	0.5
					74.63-107	32.4	0.6
				incl.	90-93	3	1.68
					163-165.54	2.5	0.9

The intensity of alteration associated with brittle fault zones and broad intervals of low-grade gold mineralisation intersected at the Kaiser Trend highlight the potential of this zone. The target is poorly understood due to the lack of exposure in this area. The results of 3AKT-12-001 are encouraging and should be followed up by more trenching and higher-density soil sampling to improve the targeting of future drilling.

10.5 Green Zone East

The Green Zone East is comprised of an east-west trending, stratabound Au-in-soil anomaly that covers the ridge east of the Green Zone (Figure 11). Quartz veins are abundant in the thick-bedded clastic succession that underlies this portion of the property and are associated with different generations of brittle faults. The best rock sample collected from the prospect returned a grade of 66.5 g/t Au; unfortunately the vein associated with this sample is in a location that is difficult to drill. The initial drill hole, 3AGZ-12-001, at this prospect targeted the strike extension of a northeast striking brittle fault that outcrops at the eastern end of the Green Zone East. The outcrop is comprised of strongly altered brecciated quartz pebble conglomerate. Quartz veins within the fault zone contain abundant arsenopyrite, iron carbonate, and pyrite. Additionally the outcrop is coincident with the highest grade portion of the soil anomaly.

The drill hole intersected thick packages of quartz pebble conglomerate interbedded with subordinate arkosic sandstone and black phyllite (see Appendix C). Quartz veins are common throughout the entire hole, but the abundance of veins increases between 25m to 121m. The increase in veining is associated with an increase in the number of narrow clay gouge filled fault zones, anomalous geochemistry, and weak to moderate alteration. Alteration within the interval is characterised by increased clay alteration, hematite, trace ankerite, and locally arsenic oxides. The alteration is distributed along vein selvedges and along fracture in the host rock. Mineralisation observed in the hole is comprised of pyrite, arsenopyrite, and trace amounts of galena. All of the observed sulphide minerals were hosted by quartz veins.

Assays returned from the hole indicate the presence of anomalous gold concentrations in the hole, ranging from below detection to 0.35 g/t Au. The zones of weakly anomalous gold occur in two intervals, 34m-44m and 107.25m-136m. Arsenic concentrations are also elevated to strongly anomalous in these intervals. Within the broader arsenic halo a narrow zone of low grade gold was intersected with a composite of 0.4 g/t Au over 1.75m (Table 10). However, no significant gold mineralization was intersected at the Green Zone East.

The presence of fault-controlled anomalous geochemistry and alteration at the Green Zone East indicates that the late, northeast-southwest striking brittle faults were conduits for the mineralised fluids in this area. Although economic gold mineralisation

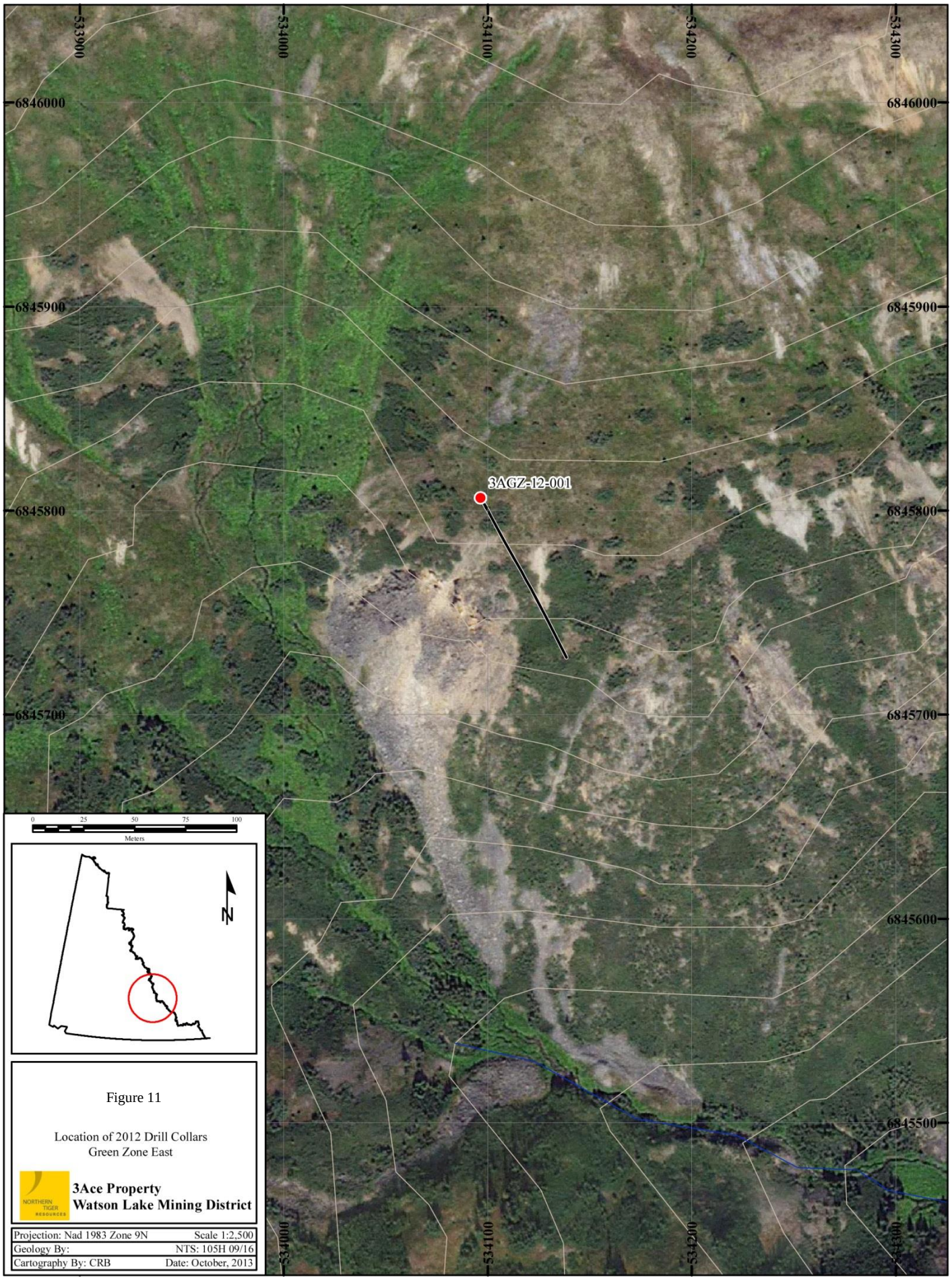

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Figure 11
Location of 2012 Drill Collars
Green Zone East
3Ace Property
Watson Lake Mining District
NORTHERN TIGER RESOURCES
Projection: Nad 1983 Zone 9N
Scale 1:2,500
Geology By:
NTS: 105H 09/16
Cartography By: CRB
Date: October, 2013

Table 10 Table of significant results at the Green Zone East							
Hole	**Zone**	**Azimuth**	**Dip**	**EOH (m)**	**Interval (m)**	**Width (m)**	**Gold (g/t)**
3AGZ-12-001	Green Zone East	150	60	147	126.25-128	1.75	0.4

has not yet been discovered, the tenor of the Au-in-soil anomaly and anomalous concentrations of pathfinder elements in the subsurface suggest that deeper gold mineralisation may yet be present at the Green Zone East.

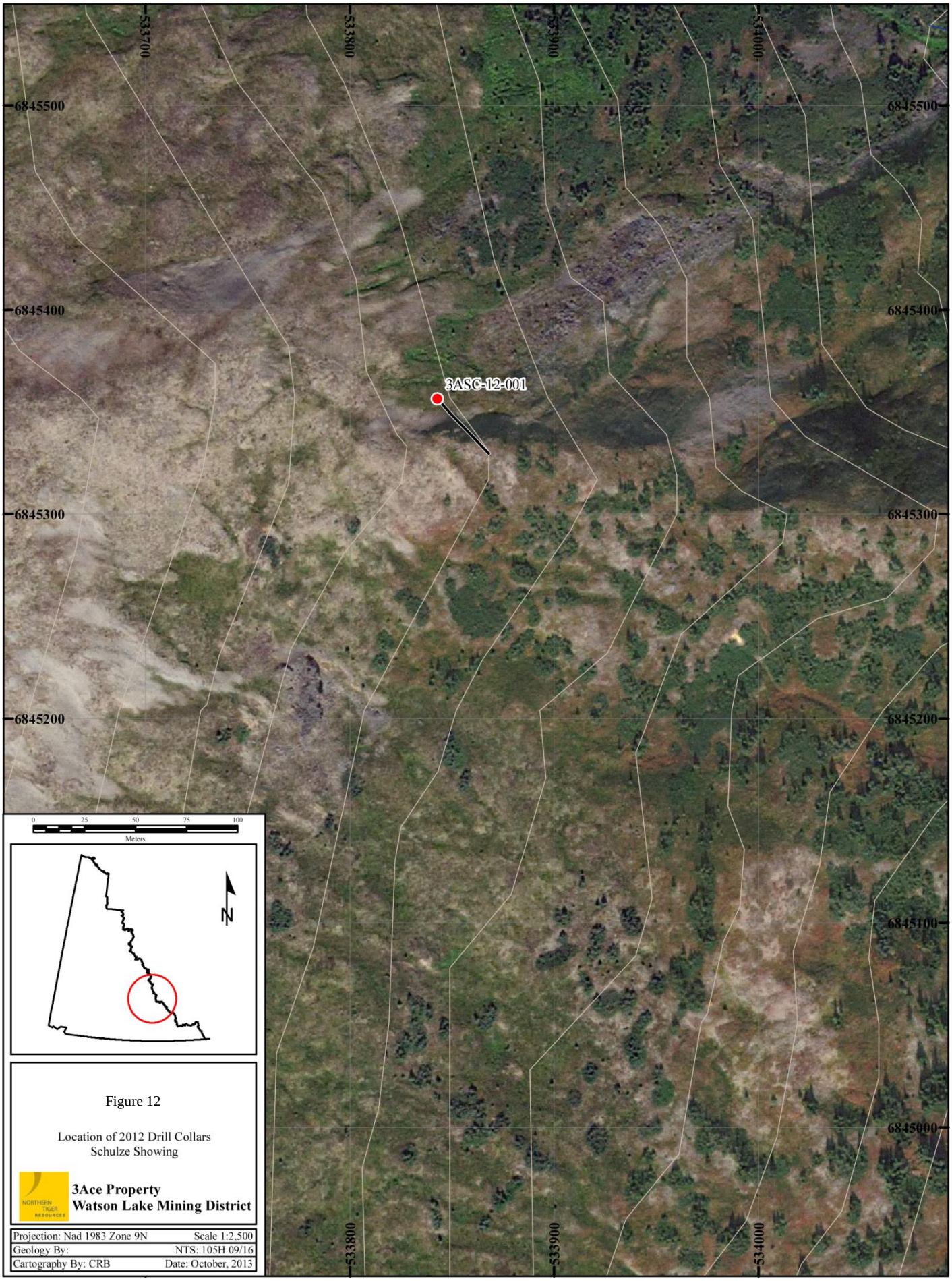
10.6 Schulze Showing

The Schulze Showing is located on a distinct ridge of outrcrop in an area that has not been extensively explored (Figure 12). A rock sample collected in 2010 returned an assay of 15.5 g/t Au, 44 g/t Ag, >10,000 ppm As, and >1% Pb. Mapping at the showing identified a steeply dipping, southwest striking fault zone that crosscuts a thick package of quartz pebble conglomerate. The fault zone is characterised by strongly brecciated country rock, intense clay and iron carbonate alteration, and a network of centimeter wide quartz veinlets. Mineralisation within the fault zone was comprised of fine grained pyrite(8%), arsenopyrite (5%), and coarse grained galena (2%). Two chip samples collected across the fault zone returned assays of 18.6 g/t Au, 56.5 g/t Ag, >10,000 ppm As, 2.3% Pb, 1,678 ppm Zn and 4.3 g/t Au, 18.5 g/t Ag, >10,000 ppm As, 0.6% Ag, 8,594 ppm Zn, respectively. The target was selected as a drill target based on the tenor of the alteration and assay results.

The drill hole intersected a succession comprised predominantly of grey quartz pebble conglomerate interbedded with subordinate coarse grained sandstone, black phyllite, and siltstone (see Appendix C). Alteration intersected in the drill hole is distributed along the selvedges of quartz veins and within the veins. Quartz veins are most abundant between 30m and 41m, the expected intersection of the fault zone mapped on surface. However, only weak to moderate pyrite and arsenopyrite mineralisation was observed in the drill hole.

No significant assay values were returned from 2ASC-12-001. Arsenic concentrations are anomalous in two samples between 21m and 23m (i.e., 754 ppm and 471 ppm, respectively). The best gold assay from the hole is a single sample at 46 m, which returned 0.1 g/t Au.

The lack of significant subsurface results at the Schulze Showing significantly reduces the priority level of this target. However, the surface assays demonstrate that


533700
533800
533900
534000
6845500
6845400
6845300
6845200
6845100
6845000
3ASC-12-001
0 25 50 75 100
Meters
N
Figure 12
Location of 2012 Drill Collars
Schulze Showing
3Ace Property
Watson Lake Mining District
NORTHERN TIGER RESOURCES
Projection: Nad 1983 Zone 9N
Scale 1:2,500
Geology By:
NTS: 105H 09/16
Cartography By: CRB
Date: October, 2013

mineralised fluids passed through the fault system exposed in this outcrop. It is recommended that additional trenching be completed along the strike of the mineralised fault zone to determine if additional mineralisation is present in this portion of the property.

11.0 Conclusions and Recommendations for Future Work

11.1 General Conclusions

The 2012 exploration program on the 3Ace Property focused on drill testing targets at several prospects on the property and expanding the strike and dip extent of gold mineralisation at the Main Zone. Anomalous to sub-gram per ton gold over multi-meter widths was intersected at all the prospects, except the Schulze Showing.

The current exploration strategy on the 3Ace Property is based on the metallogenic models developed for orogenic gold deposits. These types of deposits have been described extensively throughout the northern Cordillera of Alaska and BC (e.g., Groves et al., 1998; Kerrich, 2000; Goldfarb et al., 2001; Goldfarb et al., 2004), but have not been extensively explored for in Yukon Territory. The primary characteristics of the 3Ace Property that make the orogenic gold model an appropriate analogy for the property are: mid- to upper-crustal level crack-seal style quartz veins, high competency contrast between lithologies, transextensional crustal-scale regional faults that provide fluid pathways for deeply sourced metamorphic fluids, and a prolonged polyphase deformation history that allowed multiple generations of fluid to pass through the region.

At the Main Zone the best intersections of gold mineralisation and associated alteration form where the brittle-ductile to brittle faults transect the clastic components of the stratigraphy. Relative to the phyllite these competent rocks have been strongly fractured and brecciated within the faults and their enveloping damage zones. The structural preparation of the wallrock enhances fluid flow along the fault system and within the stratigraphy. Four holes drilled in 2012 tested targets generated from 3D modelling of the mineralisation and structural model. The holes successfully intersected prospective structure, alteration, and low grade mineralisation along strike and down dip. The mineralised intersection were not has high-grade as anticipated, but the results affirm the exploration model that is being applied to the zone.

The Sleeping Giant Zone was drill tested at several locations to test for near surface mineralisation. However, the results were not encouraging even though surface

exploration continues to find quartz veins with abundant visible gold. The zone remains a high-priority target due to the tenor of the mineralisation and abundance of mineralised quartz veins at surface. At this time the existing datasets at the Sleeping Giant Zone require careful compilation and detailed modelling to establish structural controls on the veins and identify new targets. The erratic assay results from several of the drill holes and surface sampling highlight the 'nuggety' nature of the gold distribution. Determining a more consistent average grade for the quartz veins through a bulk sample, or larger samples, may help to evaluate the economic potential of the Sleeping Giant Zone.

The primary structural and stratigraphic controls on the gold mineralisation at the Main Zone are repeated at each of the zones on the 3Ace Property. A series of drill holes were targeted to test he areal extent of the Au-in-soil anomalies at the Main Zone West, Kaiser Trend, Green Zone East, and Schulze Showing. Low-grade mineralisation associated with strong alteration was intersected at the Kaiser Trend and Main Zone West. These two prospects remain high-priority exploration targets and require follow-up exploration work. However, the Green Zone East and Schulze Showing prospects can be deprioritised as exploration targets. Limited follow-up surface exploration should be conducted to ensure that the targets are fully tested along strike of the structures presumed to control mineralisation at these targets.

The 2012 exploration program on the 3Ace Property demonstrated the potential for significant gold mineralisation on the 3Ace Property. Regional exploration targets based on silt and soil sampling remain to be fully evaluated and tested on the property. The established gold prospects remain open in several directions and require further exploration. Northern Tiger remains optimistic that a significant gold discovery can be made on the 3Ace Property.

11.2 Recommendations for Future Work

The results of the 2012 exploration program warrant continued exploration work on the 3Ace Property. Several of the recommendations have been carried over from the 2011 assessment report. Market conditions in 2012 limited funding opportunities for the exploration sector and exploration programs were accordingly scaled back to match budgets. Several high-priority exploration objectives could not be included in the 2012

program, but remain important exploration objectives. Eight general recommendations and considerations for future work are discussed below:

1. **Soil Sampling:** The 2011 soil program was extensive and covered all the ground between the Green and Main zones. However, the grid should be expanded west of the Hoito Prospect, east of the Sleeping Giant Zone, and southwest of the Kaiser Trend. This would test for the extension of gold mineralisation and soil anomalies at each of these prospects.

   Additionally, infill soil sampling should be completed in the vicinity of 3AKT-12-001 and south of the Sleeping Giant Zone. Increasing the density of soil samples in the vicinity of high-priority targets will aid in identifying new drill targets, particularly in the poorly exposed areas.

2. **Follow-up on 2011 Silt Anomalies:** The 2011 silt survey identified 11 new Au and Cu occurrences across the 3Ace Property. Limited follow-up, by prospectors, on these new occurrences was completed during the 2011 field season, but no systematic evaluation of these targets was completed. It is highly recommended that reconnaissance soil sampling, prospecting, and geological mapping be completed to fully evaluate each target. It is estimated that 2000 soil samples and 88 man-days will be required to evaluate the occurrences.

3. **Geophysics:** The 2011 airborne geophysical survey remains incomplete. Due to the narrow range of magnetic values and poor resolution of geological features no further airborne surveys are recommend. However, a Mag/VLF orientation survey late in the 2012 season provided results that correlated to known geological structures and the distribution of soil anomalies. The surveys are quick and cover large amount of ground. It is recommended that the current extent of the Mag/VLF survey be extened to cover more of the property, including the northern claim group.

4. **LiDar:** The precision of available DEM data for 3Ace property is poor. The lack of good elevation data has a negative impact on the results of mineralisation models. The problem is particularly noticeable at the Sleeping Giant Zone where accurate, precise elevation data is critical for modelling the narrow, discontinuous quartz veins. LiDar is expensive, but provides the highest quality DEM. In addition to modelling drill results, the LiDar data can be used to identify and analyse structures across the property.

5. **Geological Mapping:** The geological mapping program was limited in 2011 due to weather and scheduling conflicts. North the Green Zone the area is underlain by a package of calcareous sedimentary rocks similar to the Algae Lake fm., a unit that is geochemically favourable to precipitate gold. However, very little is known about the previously unrecognized stratigraphic unit. Regional, 1:50,000 mapping should be completed over the northern half of the property to evaluate its potential for mineralisation.

6. **Regional Data Compilation:** Northern Tiger Resources has started to understand the first order structural controls on the area and the role of the regional fault systems in mineralisation. The fault geometry presented in Figure 3 represents a regional scale pattern that can be utilised to evaluate prospective targets in the Hyland Valley area. A desktop study and review of the regional geology, geochemistry, lineament analysis, and known occurrences should be completed to generate new target areas.

7. **Drilling:** The 2012 drilling program demonstrated that Au mineralisation at the Main Zone remains open at depth. Low-grade gold intercepts at the other prospects are encouraging. Continued drilling is recommended for the 3Ace Property

8. **Reverse Circulation**
   A reverse circulation (RC) drill is recommended for efficiently testing shallow blind and indistinct targets. Samples from an RC drill may not accurately represent the gold concentration, but the rate of drilling and ease of moving the rig out weights some of these disadvantages. An RC rig is able to rapidly drill fences of shallow holes across an area with minimal helicopter support. This allows targets like the Kaiser Trend to be efficiently tested by drilling and identify more discreet anomalies to test with the diamond drill. A total of 5,000 m of RC drilling is recommended to test the strike extent of the Main Zone, the Kaiser Trend, the Sleeping Giant Zone, and accessible portion of the Green Zone West.

9. **Diamond Drilling**
   Diamond drilling is the best method of testing and evaluating structure, lithology, and grade. Follow-up targets remain at the Main Zone, Kaiser Trend, Sleeping Giant Zone. The Sprogge Property, Hoito Prospect, and Hat are outlying prospects that are ready to be drill tested too. A total of 4500 m of diamond drilling is recommended for the 3Ace Property in 2013

The recommended work program is estimated to cost approximately $2,774,950. Table 11 presents a simplified breakdown of the program and the estimated cost for each recommendation. This budget does not include camp operations, which are normally outside the exploration expenditures.

Table 11 Estimated budget for recommended work program

Wages: 475 person days	$201,875	
Camp Operations	$59,375	$125/person day
Analytical Charges - Rock Samples	$25,000	rock samples @ $50
Analytical Charges - Soil Samples	$140,000	soil samples @ $40
Analytical Charges - Drill Core Samples	$85,000	core samples @ $50
Diamond Drilling	$1,012,500	All in costs $225/m
Reverse Circulation Drilling	$500,000	flat rate contract
Geophysics: airborne magnetics	$50,000	flat rate contract
LiDar Acquisition	$100,000	flat rate contract
Transportation: Helicopter	$239,250	165 hours flying @ $1,450 per hour
15% contingency	$361,950	
TOTAL EXPENDITURES	**$2,774,950**	

12.0 References

Bidwell, G., and Schulze, C.M., 1996, Sprogge Property: 1996 Exploration Program, Watson Lake Mining District: Battle Mountain Canada Ltd. Yukon Geological Survey Assessment Report 93586.

Brownlee, D., and Johnson, G., 2001, 2000 Geological and Geochemical Assessment Report on the Sprogge Property: NovaGold Resources Ltd. Yukon Geological Survey Assessment Report 094225, 124 p.

Buchanan, M.D., 2000a, Diamond Drilling, Hit Property: Hudson Bay Exploration and Development Corporation Limited Yukon Geological Survey Assessment Report 94112, 75 p.

Buchanan, M.D., 2000b, Geochemical Survey, 3Ace Property: Hudson Bay Exploration and Development Corporation Limited Yukon Geological Survey Assessment Report 94077, 111 p.

Buchanan, M.D., 2000c, Geochemical Survey, Hat Property: Hudson Bay Exploration and Development Corporation Limited Yukon Geological Survey Assessment Report 94114, 56 p.

Buchanan, M.D., 1999, Geochemical Survey, Hit Property: Hudson Bay Exploration and Development Corporation Limited Yukon Geological Survey Assessment Report 93975, 100 p.

Buchanan, C.R., 2010, Summary of the 2010 structural analysis and mapping program on the 3- Aces Property, YT: Buchanan Geoscience Services Unpublished Company Report, 11 p.

Buchanan, C., Pollries, B., and Durante, A., 2012, Assessment Report on 2011 Exploration Activity on the 3Ace Property: Drilling, Geochemical, and Geophysical Surveys, Little Hyland River Area, YT: Northern Tiger Resources Inc. Yukon Geological Survey Assessment Report, 2884 p.

Casselman, S., 2005, Report on the 2005 Line-Cutting, Soil Sampling, Hlem and Magnetic Survey Program on the 3 Ace Property, Little Hyland River Area, Yukon: North American Tungsten Corporation Ltd. Yukon Geological Survey YMIP 05-060, 76 p.

Colpron, M., 2012, Preliminary observations on the geology of the Rackla belt, Mount Ferrell map area (NTS 106C/3), central Yukon, *in* MacFarlane, K.E. and Sack, P.J. eds., Yukon Exploration and Geology 2011, Yukon Geological Survey, Whitehorse, YT, p. 27–43.

Goldfarb, R.J.., Ayuso, R.A.., Miller, M.L.., Ebert, S., Marsh, E.E.., Petsel, S.A.., Miller, L.D.., Bradley, D.C.., Johnson, C.A.., and McClelland, W.C.., 2004, The Lake Cretaceous Donlin Creek gold deposit, Southwestern Alaska; controls on epizonal

ore formation: Economic Geology and the Bulletin of the Society of Economic Geologists, v. 99, no. 4, p. 643–671.

Goldfarb, R.J., Groves, D.I., and Gardoll, S., 2001, Orogenic gold and geologic time: a global synthesis: Ore Geology Reviews, v. 18, no. 1-2, p. 1–75, doi: 16/S0169-1368(01)00016-6.

Goodfellow, W.D., 2007, Base Metal Metallogeny of the Selwyn Basin, Canada, *in* Goodfellow, W.D. ed., Mineral deposits of Canada : a synthesis of major deposit-types, district metallogeny, the evolution of geological provinces, and exploration methods, Geological association of Canada mineral deposits division, St. John's, p. 553–579.

Gordey, S.P., and Anderson, R.G., 1993, Evolution of the Northern Cordilleran Miogeocline, Nahanni Map Area (105I), Yukon and Northwest Territories: Geological Survey of Canada.

Groves, D.I., Goldfarb, R.J., Gebre-Mariam, M., Hagemann, S.G., and Robert, F., 1998, Orogenic gold deposits: A proposed classification in the context of their crustal distribution and relationship to other gold deposit types: Ore Geology Reviews, v. 13, p. 7–27.

Hart, C.J.R., and Lewis, L.L., 2006, Gold mineralization in the upper Hyland River area: a non-magmatic origin, *in* Emond, D.S., Bradshaw, G.D., Lewis, L.., and Weston, L.H. eds., Yukon Exploration and Geology 2005, Yukon Geological Survey, p. 109–125.

Hayes, G., 2010a, Northern Tiger Resources Announces Additional 3Ace Drill Results: 25/11/2010: Northern Tiger Resources Inc. Press Release, 3 p.

Hayes, G., 2010b, Northern Tiger Resources Announces Significant Gold Discovery at 3Ace Property, Yukon: 04/11/2010: Northern Tiger Resources Inc. Press Release, 2 p.

Hayes, G., 2012, Northern Tiger Resources Channel Samples 132.91 g/t Gold over 6.9 Metres Along Strike on New Sleeping Giant Zone Discovery - 3Ace Project, Yukon: 08/08/2012: Northern Tiger Resources Inc. Press Release, 3 p.

Kerrich, R., 2000, The geodynamics of world-class gold deposits; characteristics, space-time distribution, and origins: Reviews in Economic Geology, v. 13, p. 501–551.

McMillan, L., 2005, 2003-2004 Assessment Report: Results of Prospecting and Geochemical Sampling: Alex McMillan Exploration Yukon Geological Survey Assessment Report 094580, 26 p.

McMillan, L., 2001, 3 Ace Target Analysis Program, YMIP 01-017: results of geochemical survey and rock sampling: Alex McMillan Exploration Yukon Geological Survey Assessment Report 094318, 26 p.

Roots, E.F.., Green, L.H.., Roddick, J.A.., and Blusson, S.L.., 1966, Geology, Frances Lake, Yukon Territory and District of Mackenzie: Geological Survey of Canada Map 6-1966.

Schulze, C.M., 1998, 1997 Geological, Geochemical, and Trenching Report on the Sprogge 1-74 and Justin 1-25 Claims, Volume 1: Battle Mountain Canada Ltd. Yukon Geological Survey Assessment Report 093783, 94 p.

Schulze, C.M., and Buchanan, C., 2010, Assessment Report on the 2010 Geological and Geochemical Programs On the 3ACE Property, Southeast Yukon: Northern Tiger Resources Inc. Yukon Geological Survey Assessment Report, 400 p.

Schulze, C.M., and Johnson, G., 2000, 1999 Geological and Geochemical Assessment Report on the Sprogge Property: NovaGold Resources Ltd. Yukon Geological Survey Assessment Report 94128, 27 p.

Scott, E., 1999, 1998 Geological and Geochemical Assessment Report on the Sprogge Project: Battle Mountain Canada Ltd. Yukon Geological Survey Assessment Report 93959, 171 p.

Walker, J.D., and Geissman, J.W., 2009, 2009 GSA Geologic Time Scale: GSA Today, v. 19, no. 4, p. 60–61, doi: 10.1130/1052-5173-19.4-5.60.

13.0 Certificates of Authors

I, Chris R. Buchanan, M.Sc., P.Geo. hereby certify that:

1. I am currently a self-employed Consulting Geologist, located at the following address: 5130-190A St. NW, Edmonton, AB, T6M 2R5, Canada.

2. I graduated with an Honours Bachelor of Science, co-op degree in Geology from the University of Waterloo, Waterloo, Ontario, in 1996. I obtained a Masters of Science degree in Geology from Memorial University of Newfoundland, St. John's, Newfoundland and Labrador, in 2004.

3. I am registered as a Professional Geologist with the Professional Engineers, Geologists and Geoscientists of Alberta (APEGA), member number 142930.

4. I have worked as a Professional Geoscientist since graduation with an Honours Bachelor of Science, co-op degree from the University of Waterloo, including defending research for a Masters of Science degree from Memorial University of Newfoundland in 2004.

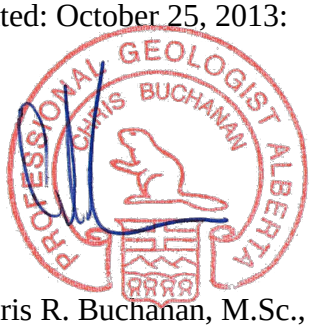
5. I have read the definition of "qualified person" set out in National Instrument 43-101 (NI 43-101) and certify by reason of my education, work experience and registration with APEGGA that I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

6. I am responsible for the preparation, in its entirety, of the technical report titled "Assessment Report on 2012 Diamond Drilling on the 3Ace Property, Little Hyland River Area, YT.." The report, dated October 25, 2013, was prepared for Northern Tiger Resources Inc., relating to the 3Ace Property.

7. I do not have, nor do I expect to receive, directly or indirectly, any interest in the 3Ace Property, properties of Northern Tiger Resources Inc. or any affiliated companies.

8. I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them, including electronic publication in the public company files on their websites accessible by the public.

Dated: October 25, 2013:



Chris R. Buchanan, M.Sc., PGeol

Appendix A
List of Personnel and Consultants

2012 3Ace Project Personnel				
Name	**Company**	**Position**	**Location**	**Project Days**
Frank Magun	Contractor	Welder/Mechanic	Watson Lake, YT	4
Liam Bradley	Driftwood Diamond Drilling	Driller	Smithers, BC	29
Corey Hertz	Driftwood Diamond Drilling	Driller	Smithers, BC	29
Trever Hertz	Driftwood Diamond Drilling	Helper	Smithers, BC	29
Tyler Koldyk	Driftwood Diamond Drilling	Foreman	Smithers, BC	26
Jered	Driftwood Diamond Drilling	Helper	Smithers, BC	23
Randy	Driftwood Diamond Drilling	Helper	Smithers, BC	6
Juan Iten	Firestone Ventures	Geologist	Guatemala City	48
Ludving Monroy	Firestone Ventures	Geologist	Guatemala City	48
Mike Brocklebank	Helidyanmics	Pilot	Victoria, BC	17
Chris Mattson	Helidyanmics	Pilot	Kelowna	10
Dug Gammage	Helidyanmics	Pilot	Victoria, BC	52
Dave Hiltenkamp	Helidyanmics	Pilot		8
John	Helidyanmics	Engineer	Whitehorse, YT	3
Chris Buchanan	Northern Tiger Resources	Senior Geologist	Edmonton, AB	84
Kevin Charlie	Northern Tiger Resources	Core Cutter	Watson Lake, YT	55
Margaret Charlie	Northern Tiger Resources	Cooks Helper	Watson Lake, YT	25
Anna Durante	Northern Tiger Resources	Geologist	Edmonton, AB	72
George Franks	Northern Tiger Resources	Camp Man	Watson Lake, YT	84
Lindsey Fraser	Northern Tiger Resources	Camp Manager/OFA-3	Vancouver, BC	75
James MacDonald	Northern Tiger Resources	Sampling Manager	Halifax, NS	53
Ian MacPherson	Northern Tiger Resources	Chainsaw Operator/Pad Builder	Smithers, BC	56
Trevor Magun	Northern Tiger Resources	Slasher/Camp Worker	Watson Lake, YT	45
Alex McMillan	Northern Tiger Resources	Prospector	Watson Lake, YT	1
Mary McMillan	Northern Tiger Resources	Sampler/GeoTech/OFA-3	Vancouver, BC	65
Paul Noseworthy	Northern Tiger Resources	Prospector	St. John's, NL	68
Dennis Ouellette	Northern Tiger Resources	VPEx/Geologist	Edmonton, AB	85
Kate Simpson	Northern Tiger Resources	Cooks Helper	Merrit, BC	50
Bonnie Spence	Northern Tiger Resources	Geologist	Edmonton, AB	76
Tracy Taporowski	Northern Tiger Resources	Cook	Whitehorse, YT	53
Phil Thompson	Northern Tiger Resources	Heavy Equipment Operator	Watson Lake, YT	5.5
Max Weiss	Northern Tiger Resources	Mechanic/Equipment Operator	Watson Lake, YT	45
Janek Wozniewski	Northern Tiger Resources	Geologist	Victoria, BC	65
Greg Hayes	Northern Tiger Resources	CEO	Edmonton, AB	19
Dave	Industrial Electric Services	Electrician	Whitehorse, YT	2
Gerald	Industrial Electric Services	Electrician	Whitehorse, YT	2

Appendix B

Analytical Procedures and Quality Control and Assurance Protocol

Analytical Procedures at Inspectorate Exploration & Mining Services Ltd.

Samples collected on the 3Ace Property were analysed by Inspectorate Exploration & Mining Services Ltd. of Vancouver, BC (Inspectorate). All samples collected during the 2011 program were analysed for gold by fire assay and a 49 element suite by ICP-AES or ICP-MS. The sample processing and digestion technique utilised was determined by the type of sample; as such appropriate techniques were used for silt, soil, and rock/core samples.

The following sections describe the sample processing and digestion protocol used for the geochemical analysis of the 2011 geochemical samples collected on the 3Ace Property.

Sample Preparation

The samples are submitted to the Inspectorate preparation facility in Whitehorse, YT. Soil and Silt samples are dried at 60^{o}C, sieved to 180 µm and riffle split (i.e., package SP-SS-1K). Rock and core samples are crushed and pulverised to 75 µm and riffle split (i.e., package SP-RX-2K). Aliquots, riffle split from the pulp, are shipped to Vancouver, BC for geochemical analysis at the Inspectorate Laboratory.

Silt and Soil Samples

Silt and soil samples collected on the 3Ace Property are processed using the same analytical techiniques, package 50-AR-UT. The samples are crushed, ground and a 5 g sample is split for analysis. An aqua regia digestion is used to dissolve the sample, which is subsequently diluted with deionised water for analysis. The aqua regia digestion adequately dissolves base metals, but not silicate and oxide minerals. As a result lower levels will be reported for a suite of elements commonly incorporated into these minerals. The elements are Al, K, Mg, Ti, Ba, La, W, and Sr. If more detailed and accurate analyses of these particular elements are required then more complete digestion techniques (e.g., lithium metaborate fusion) should be considered.

Rock and Core Samples

All rock and core samples collected on the project were processed using a four acid digestion, package 50-4A-UT. The 4-acid digestion is adequate for most metallic elements. However, it may not completely digest more refractory elements (i.e., Zr and rare earth elements). As discussed above a more complete digestion is required for these elements. Additionally, the sample heating process may adversely affect the accuracy of

measurements for volatile elements like Hg and As. If these elements are required for analysis a more appropriate analytical technique should be selected.

Fire Assay Protocol

Gold is analysed by fire assay at Inspectorate using standard procedures. A 30 g sample is mixed with PbO flux in an earthenware crucible. Silver nitrate is added to the sample as a collector and the mixture is heated to 1060^{o}C for an hour. After removal from the fire assay oven the slag is poured of the sample, leaving a Pb button in the mold. The Pb button is cupelled at a temperature of 950^{o}C, separating Pb from the remaining Ag 'doré' bead, which contains the gold. The doré bead is heated in nitric acid, leaving behind a gold flake. After being washed in deionised water the Au concentration is measured by atomic absorption. If the Au concentration exceeds the upper limit of atomic absorption the sample will be weighed gravimetrically.

Quality Control and Assurance (QA\QC) Protocol

A system of blank, duplicate, and standard reference material (SRM) samples were utilised for QA\QC on the 3Ace Property. The insertion frequency for the drill core alternated between blank/SRM and blank/duplicate samples, every 38 samples. This ensured that at least one complete set of QA/QC samples was included in every sample batch. Additional blanks were inserted into the sample after mineralised or strongly altered intervals of core. For the soil program a field duplicate was collected at every 38th sample station.

The blank for the 2011 program was pre-packaged crushed limestone purchased at Home Hardware in Whitehorse, YT. Au assays for the suite of blank samples were all less than three times the detection limit. This indicates the crushed limestone is an appropriate blank for gold mineralisation on the property.

Field duplicate samples were generated on site by quartering the drill core. The initial sample of half core was cut and packaged and a second sample was cut from the remaining core to represent the duplicate sample. The results of the duplicate samples suffered from nugget gold assay, similar to the main assay dataset. The only clear result from the duplicate dataset is that gold is not distributed homogenously throughout the core, an attribute of mineralisation that was already clear from the assay data.

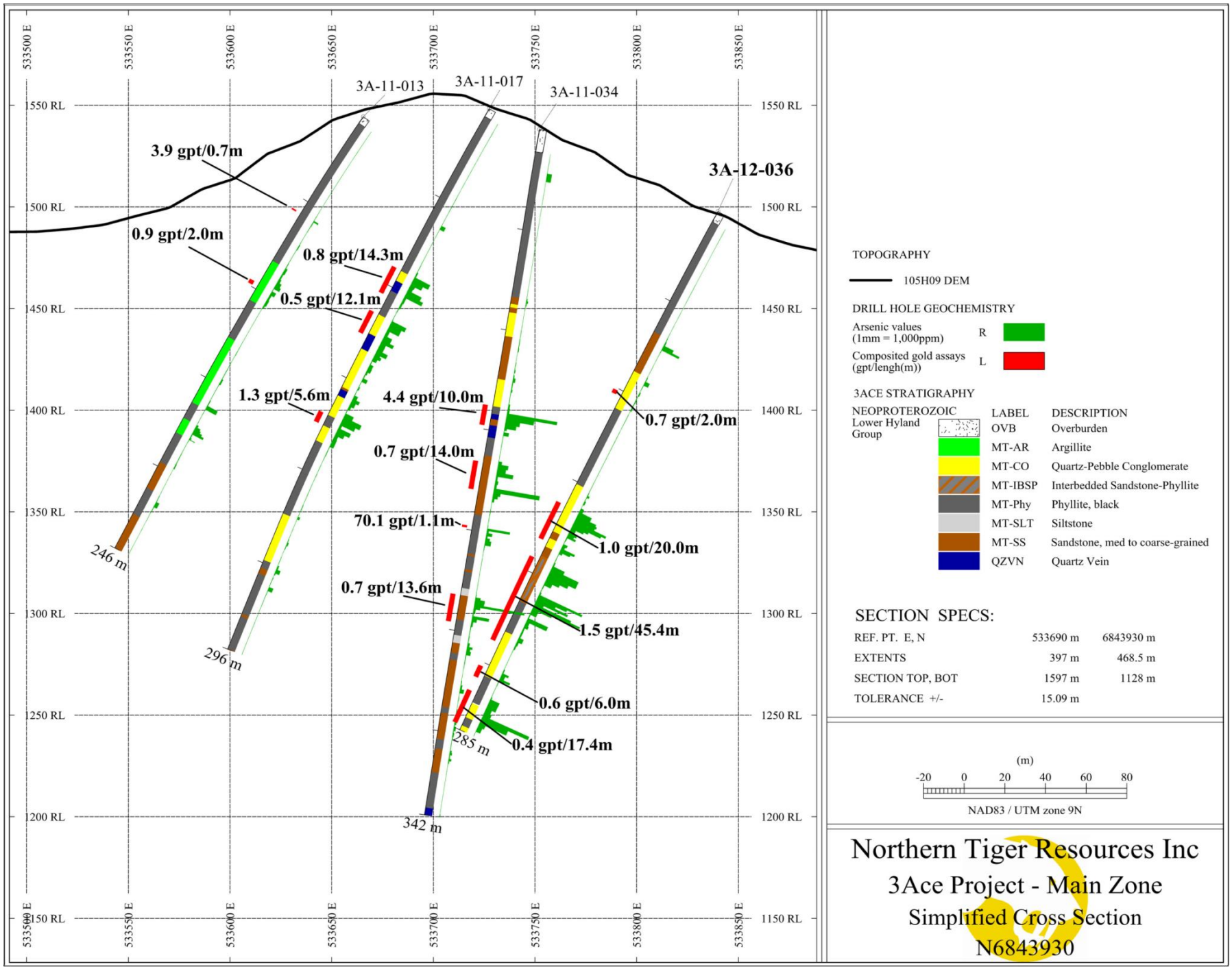
A single SRM was used on the 3Ace drill program in 2011. It was purchased from CDN Resource Laboratories Ltd. in Langley, BC. The SRM certificate number

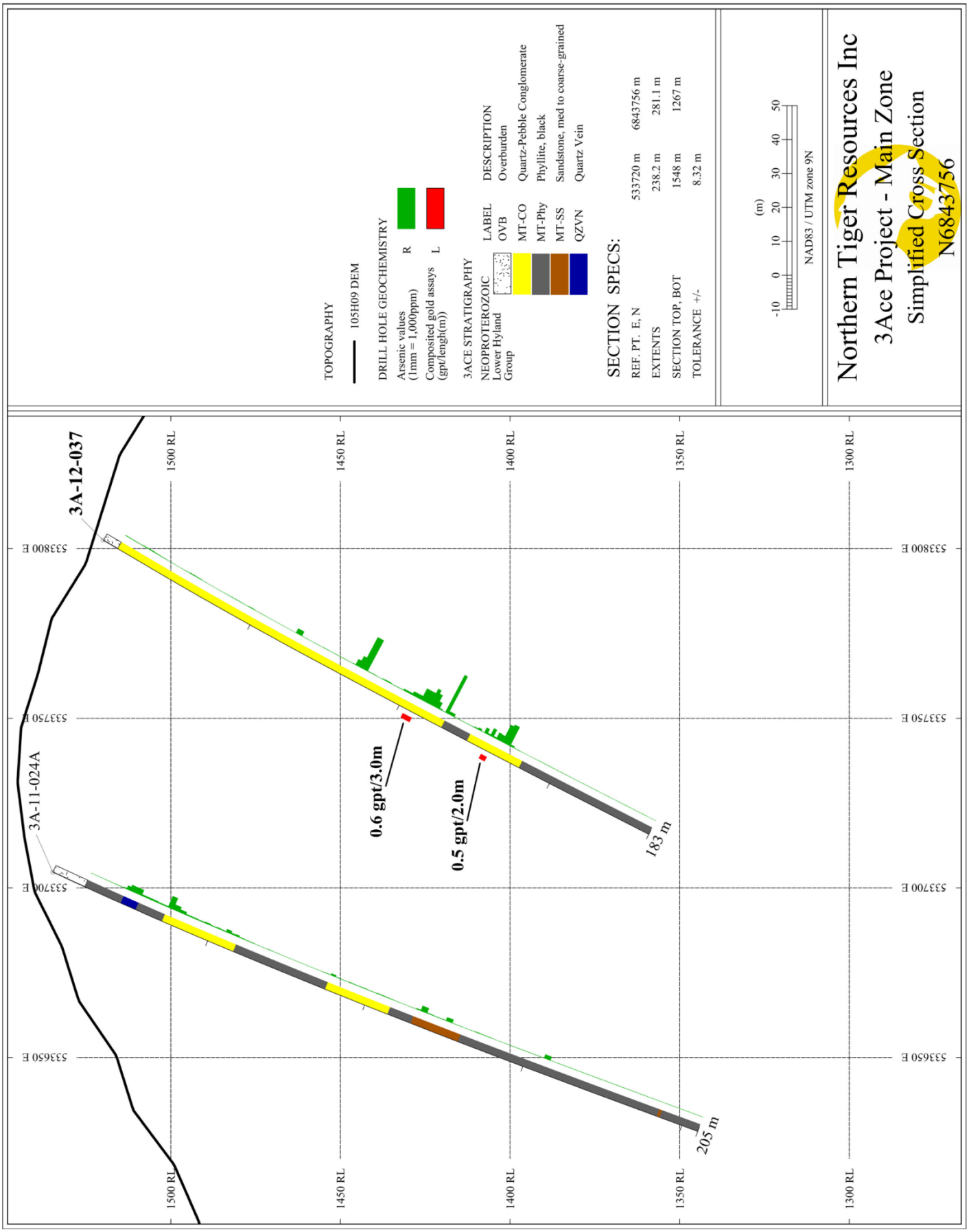
CDN-GS-8B. The recommended values of this standard in 7.76 ±0.42 g/t Au for fire assay with AA/ICP finish and 7.72 ± 0.32 g/t Au for fire assay with gravimetric finish. The SRM was prepared from Devonian carbonates in northern Nevada, which means it may not be the most appropriate material for testing the clastic sedimentary hosted gold system at the 3Ace Property. A total of 65 SRM samples were inserted into the sample stream during the drill program. Only two of the samples exceeded the lower 2-sigma boundary, and none of the samples exceeded the lower 3-sigma boundary; although sample 29668 returned an Au concentration of 6.51 g/t, which lies on the lower 3-sigma boundary. The results of the SRM assays indicate that no significant QA/QC issues are present in the 2011 geochemical data from Inspectorate.

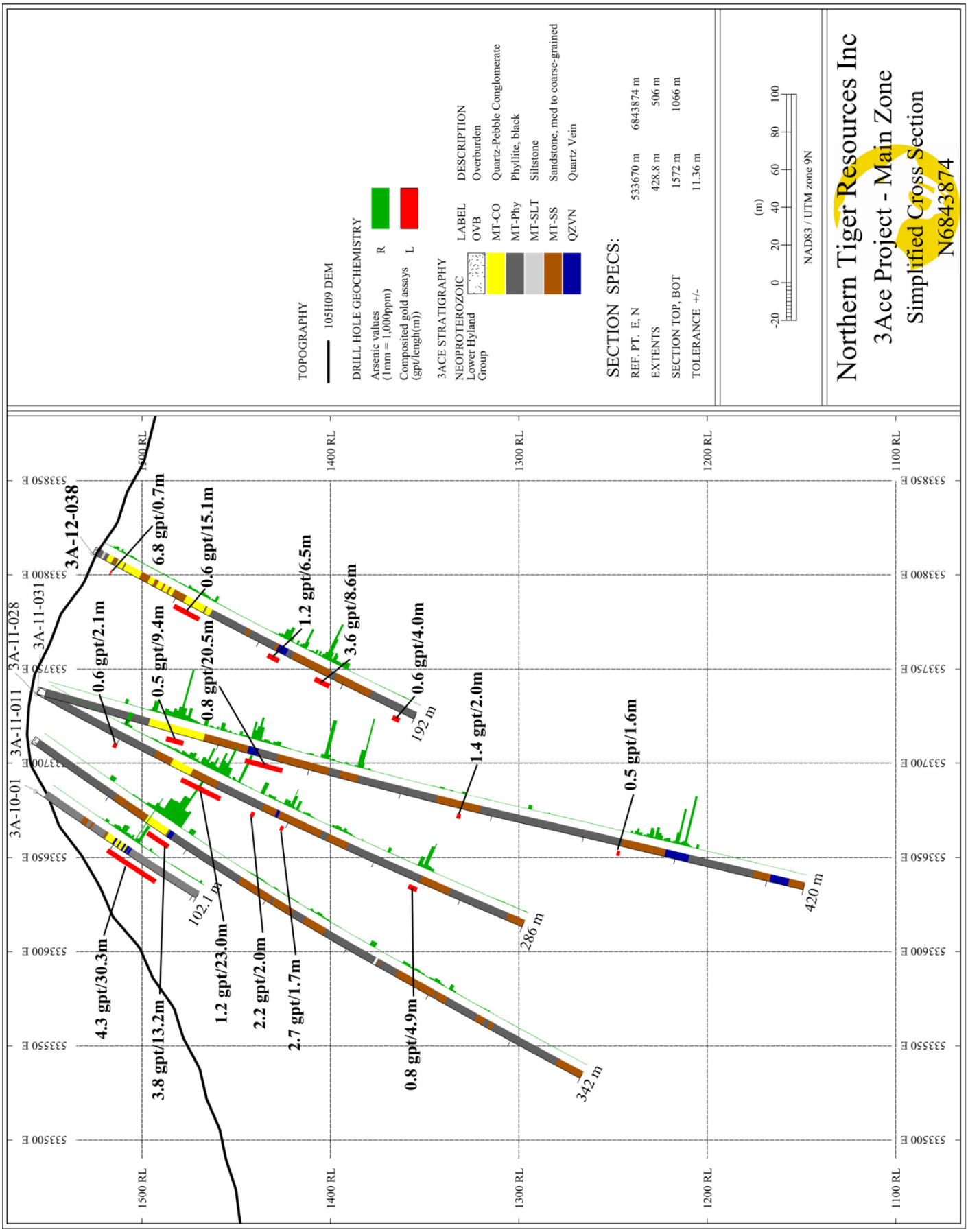
Chain of custody of the samples was maintained throughout the project. Samples were collected by project personnel and placed into tagged sample bags sealed by plastic zip ties. The samples were stored in rice bags on the property until the samples were picked up for delivery to the Inspectorate prep lab in Whitehorse, YT. The samples were initially expedited by Hyland Gold Inc., Watson Lake, YT, but issues arose with the timing of sample delivery to the lab. To resolve this chain of custody concern Inspectorate picked up the samples with their own truck, unfortunately the truck broke down and a third shipping solution was required. Twilite Services of Watson Lake, YT expedited the samples for the remainder of the summer. The samples were picked up in camp and delivered the following day to Inspectorate in Whitehorse, YT. A chain of custody form, containing a list of shipped samples, was transported by the driver and signed by both project personnel and Inspectorate personnel. Security tags were utilised to ensure the integrity of the rice bags during transportation by a third-party. The security tag numbers were recorded by project personnel and Inspectorate confirmed the tags were intact upon receipt of the sample shipment.

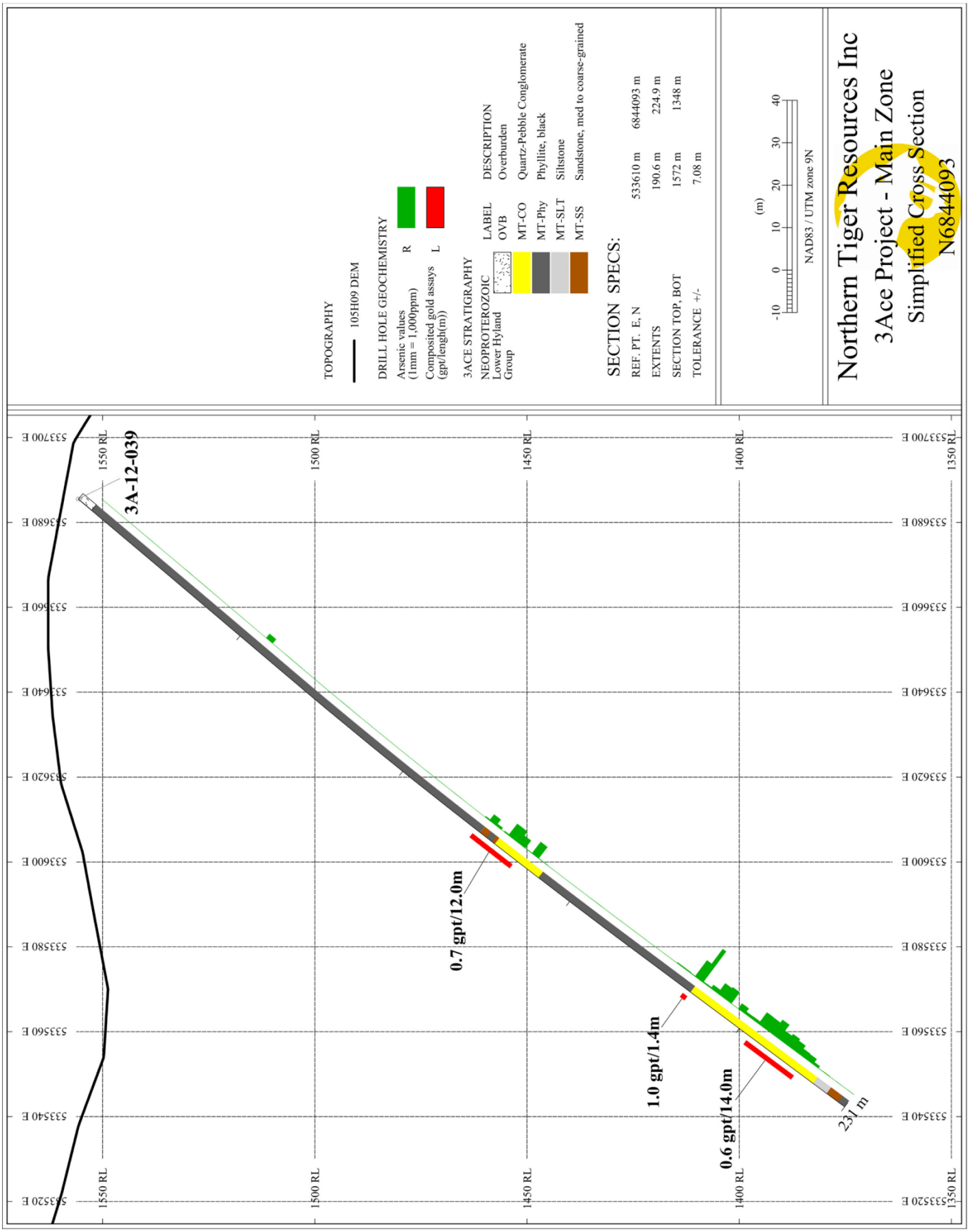
Appendix C
2012 Drill hole cross-sections

Main Zone

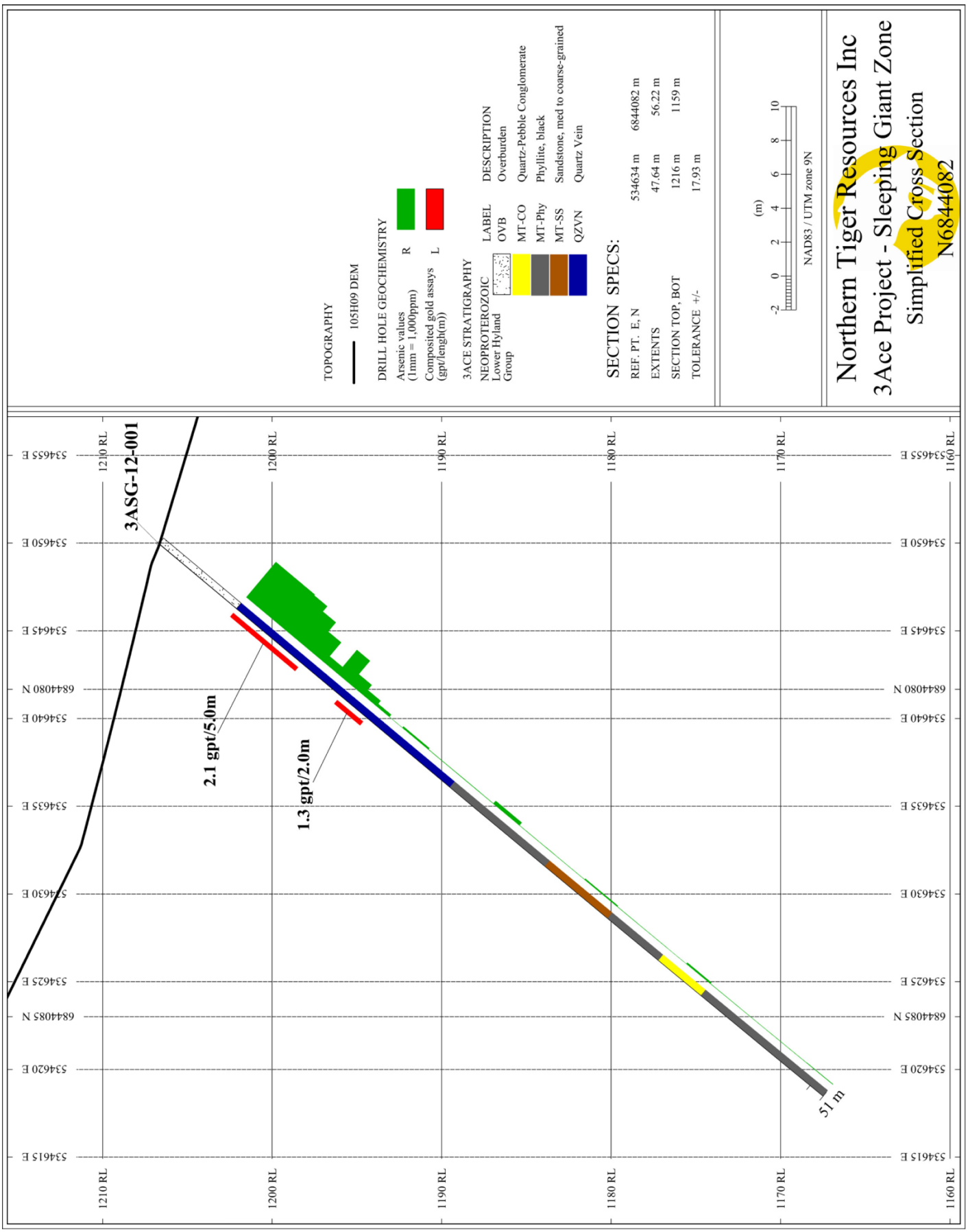

533500 E
533550 E
533600 E
533650 E
533700 E
533750 E
533800 E
533850 E
1550 RL
1500 RL
1450 RL
1400 RL
1350 RL
1300 RL
1250 RL
1200 RL
1150 RL
3A-11-013
3A-11-017
3A-11-034
3A-12-036
3.9 gpt/0.7m
0.9 gpt/2.0m
0.8 gpt/14.3m
0.5 gpt/12.1m
1.3 gpt/5.6m
4.4 gpt/10.0m
0.7 gpt/2.0m
0.7 gpt/14.0m
70.1 gpt/1.1m
1.0 gpt/20.0m
0.7 gpt/13.6m
1.5 gpt/45.4m
0.6 gpt/6.0m
0.4 gpt/17.4m
246 m
296 m
285 m
342 m
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/lengh(m)) L
3ACE STRATIGRAPHY
NEOPROTEROZOIC
Lower Hyland Group
LABEL DESCRIPTION
OVB Overburden
MT-AR Argillite
MT-CO Quartz-Pebble Conglomerate
MT-IBSP Interbedded Sandstone-Phyllite
MT-Phy Phyllite, black
MT-SLT Siltstone
MT-SS Sandstone, med to coarse-grained
QZVN Quartz Vein
SECTION SPECS:
REF. PT. E, N 533690 m 6843930 m
EXTENTS 397 m 468.5 m
SECTION TOP, BOT 1597 m 1128 m
TOLERANCE +/- 15.09 m
(m)
-20 0 20 40 60 80
NAD83 / UTM zone 9N
Northern Tiger Resources Inc
3Ace Project - Main Zone
Simplified Cross Section
N6843930

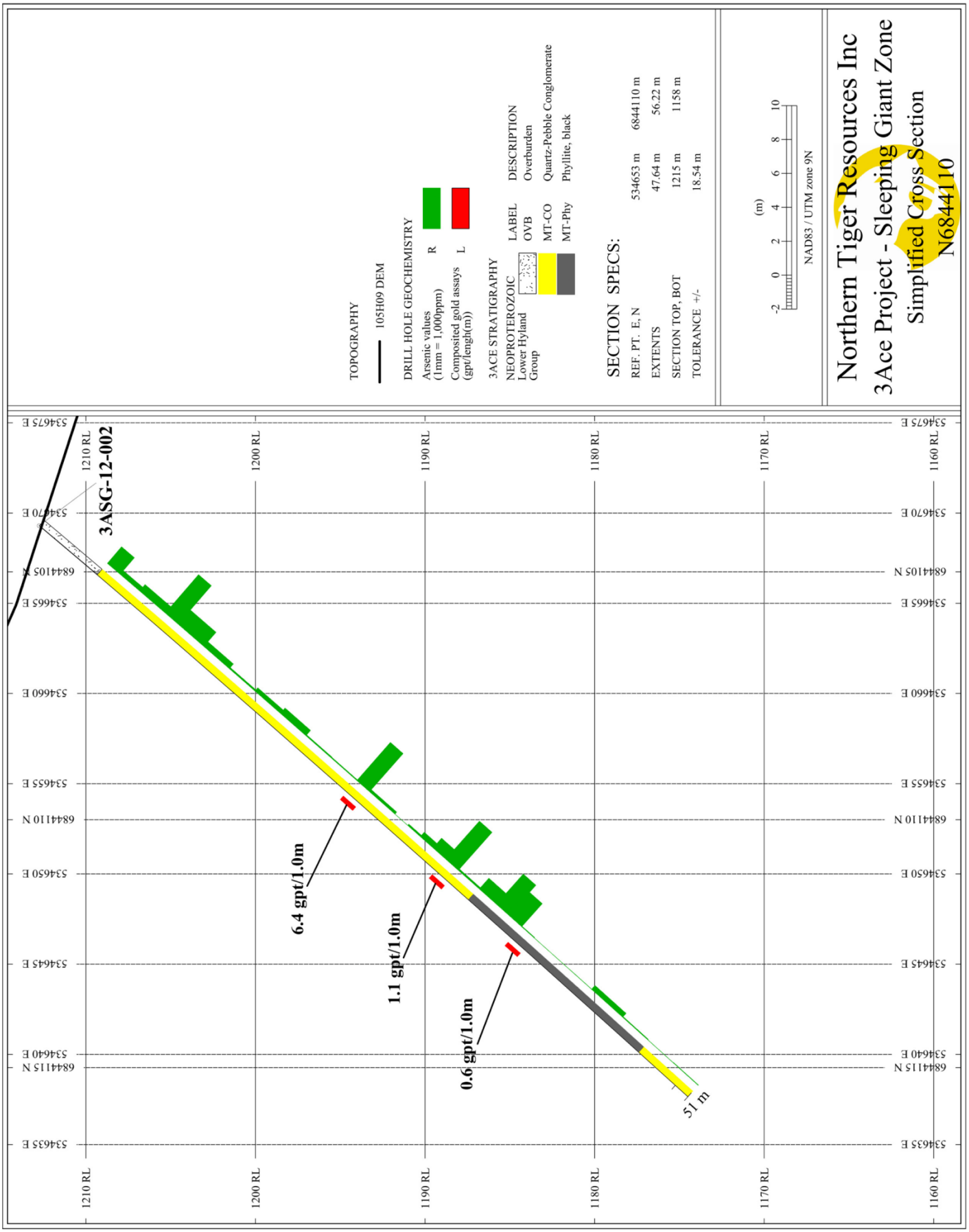

Northern Tiger Resources Inc
3Ace Project - Main Zone
Simplified Cross Section
N6843756
NAD83 / UTM zone 9N
(m)
-10 0 10 20 30 40 50
SECTION SPECS:
REF. PT. E, N 533720 m 6843756 m
EXTENTS 238.2 m 281.1 m
SECTION TOP, BOT 1548 m 1267 m
TOLERANCE +/- 8.32 m
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
3ACE STRATIGRAPHY
LABEL DESCRIPTION
NEOPROTEROZOIC Lower Hyland Group
OVB Overburden
MT-CO Quartz-Pebble Conglomerate
MT-Phy Phyllite, black
MT-SS Sandstone, med to coarse-grained
QZVN Quartz Vein
3A-12-037
3A-11-024A
0.6 gpt/3.0m
0.5 gpt/2.0m
183 m
205 m
1500 RL
1450 RL
1400 RL
1350 RL
1300 RL
533800 E
533750 E
533700 E
533650 E

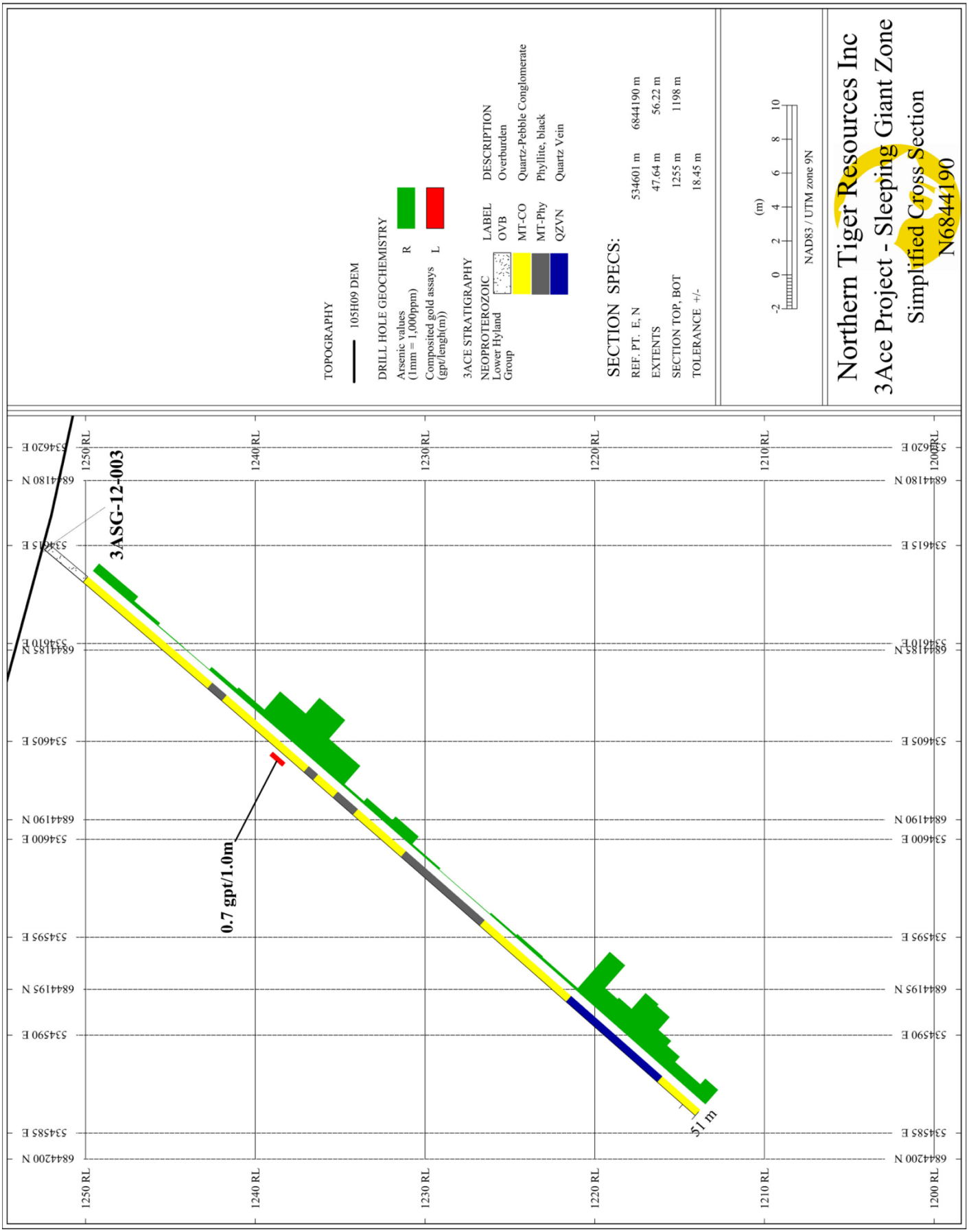

Northern Tiger Resources Inc
3Ace Project - Main Zone
Simplified Cross Section
N6843874
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
3ACE STRATIGRAPHY
NEOPROTEROZOIC Lower Hyland Group
LABEL DESCRIPTION
OVB Overburden
MT-CO Quartz-Pebble Conglomerate
MT-Phy Phyllite, black
MT-SLT Siltstone
MT-SS Sandstone, med to coarse-grained
QZVN Quartz Vein
SECTION SPECS:
REF. PT. E, N 533670 m 6843874 m
EXTENTS 428.8 m 506 m
SECTION TOP, BOT 1572 m 1066 m
TOLERANCE +/- 11.36 m
(m)
-20 0 20 40 60 80 100
NAD83 / UTM zone 9N
3A-12-038
3A-11-031
3A-11-028
3A-11-011
3A-10-01
6.8 gpt/0.7m
0.6 gpt/15.1m
1.2 gpt/6.5m
3.6 gpt/8.6m
0.6 gpt/4.0m
192 m
0.6 gpt/2.1m
0.5 gpt/9.4m
0.8 gpt/20.5m
1.4 gpt/2.0m
0.5 gpt/1.6m
420 m
4.3 gpt/30.3m
3.8 gpt/13.2m
102.1 m
1.2 gpt/23.0m
2.2 gpt/2.0m
2.7 gpt/1.7m
286 m
0.8 gpt/4.9m
342 m
1500 RL
1400 RL
1300 RL
1200 RL
1100 RL
533850 E
533800 E
533750 E
533700 E
533650 E
533600 E
533550 E
533500 E

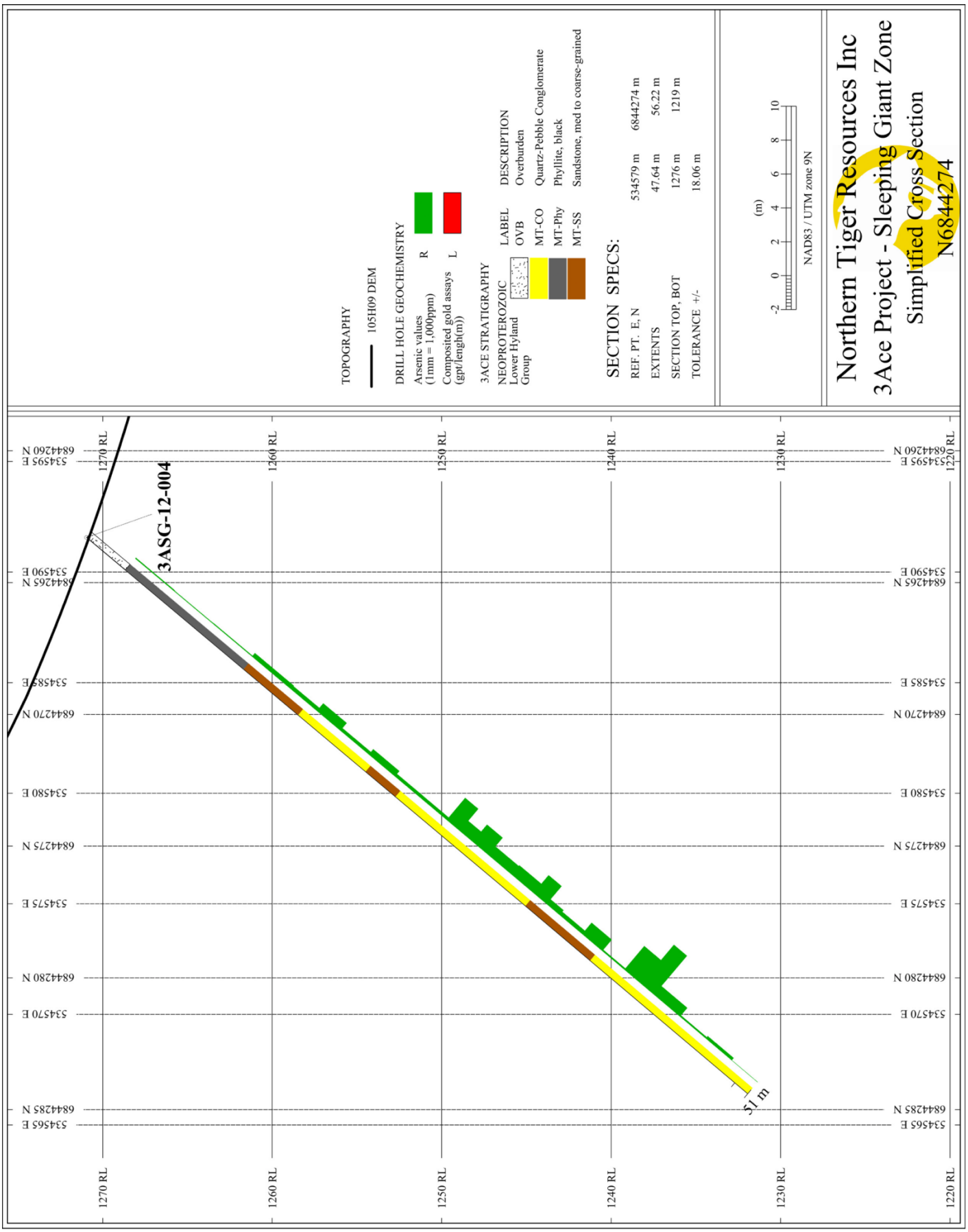

Northern Tiger Resources Inc
3Ace Project - Main Zone
Simplified Cross Section
N6844093
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
3ACE STRATIGRAPHY
NEOPROTEROZOIC Lower Hyland Group
LABEL DESCRIPTION
OVB Overburden
MT-CO Quartz-Pebble Conglomerate
MT-Phy Phyllite, black
MT-SLT Siltstone
MT-SS Sandstone, med to coarse-grained
SECTION SPECS:
REF. PT. E, N 533610 m 6844093 m
EXTENTS 190.6 m 224.9 m
SECTION TOP, BOT 1572 m 1348 m
TOLERANCE +/- 7.08 m
(m)
-10 0 10 20 30 40
NAD83 / UTM zone 9N
3A-12-039
0.7 gpt/12.0m
1.0 gpt/1.4m
0.6 gpt/14.0m
231 m
1550 RL
1500 RL
1450 RL
1400 RL
1350 RL
533700 E
533680 E
533660 E
533640 E
533620 E
533600 E
533580 E
533560 E
533540 E
533520 E

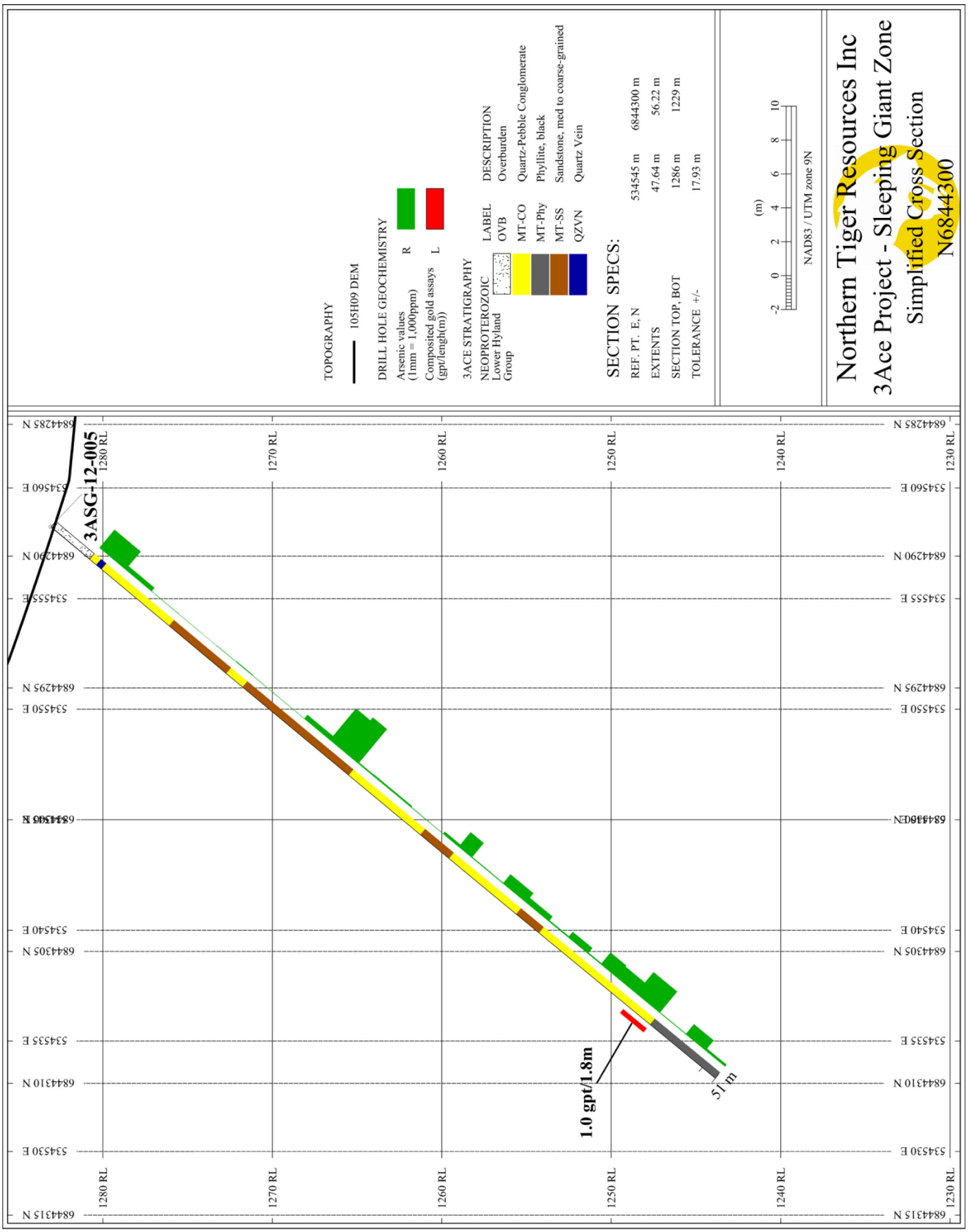
Sleeping Giant Zone

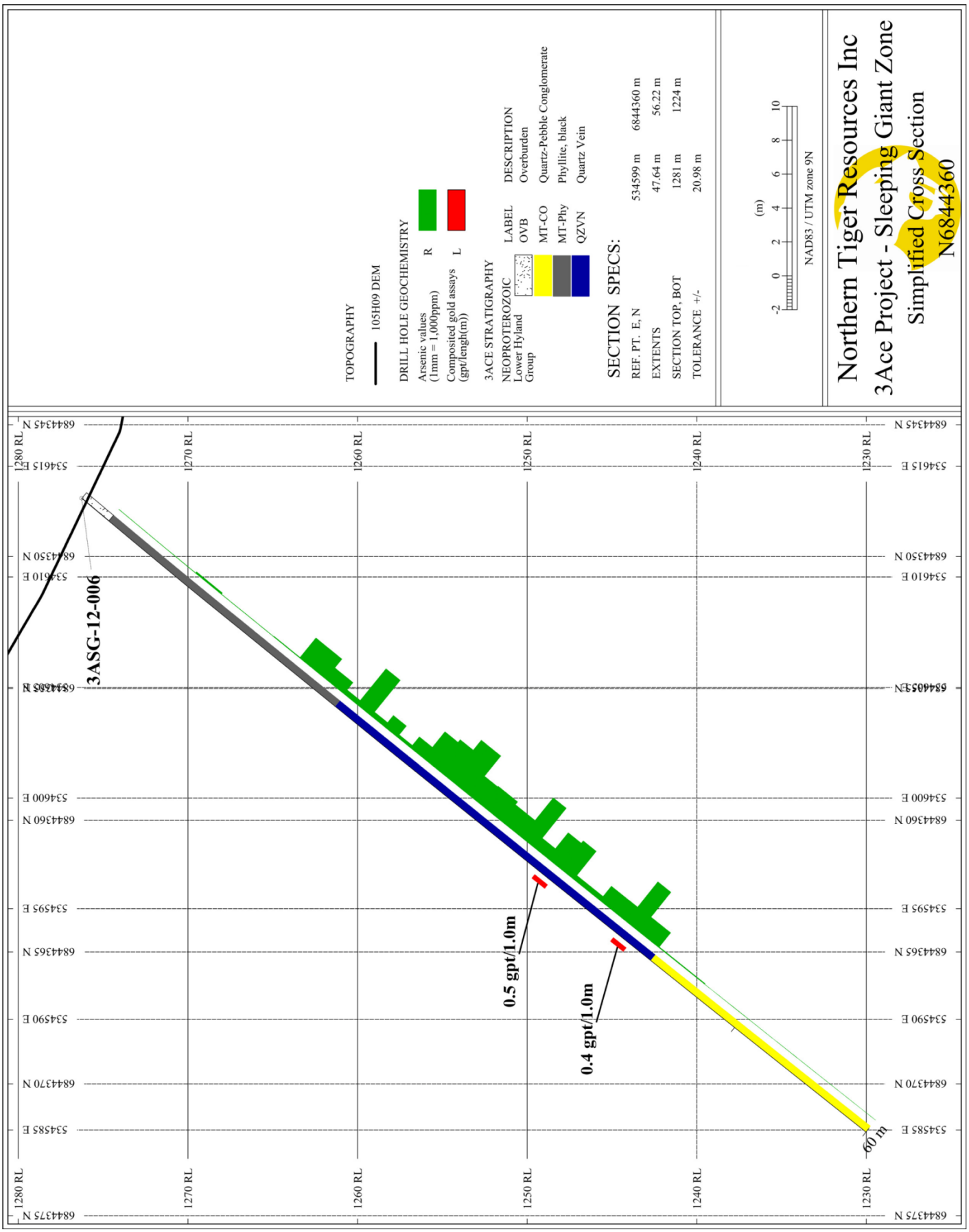

Northern Tiger Resources Inc
3Ace Project - Sleeping Giant Zone
Simplified Cross Section
N6844082
NAD83 / UTM zone 9N
(m)
-2 0 2 4 6 8 10
SECTION SPECS:
REF. PT. E, N 534634 m 6844082 m
EXTENTS 47.64 m 56.22 m
SECTION TOP, BOT 1216 m 1159 m
TOLERANCE +/- 17.93 m
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
3ACE STRATIGRAPHY
NEOPROTEROZOIC Lower Hyland Group
LABEL DESCRIPTION
OVB Overburden
MT-CO Quartz-Pebble Conglomerate
MT-Phy Phyllite, black
MT-SS Sandstone, med to coarse-grained
QZVN Quartz Vein
3ASG-12-001
2.1 gpt/5.0m
1.3 gpt/2.0m
51 m
1210 RL
1200 RL
1190 RL
1180 RL
1170 RL
1160 RL
534655 E
534650 E
534645 E
6844080 N
534640 E
534635 E
534630 E
534625 E
6844085 N
534620 E
534615 E

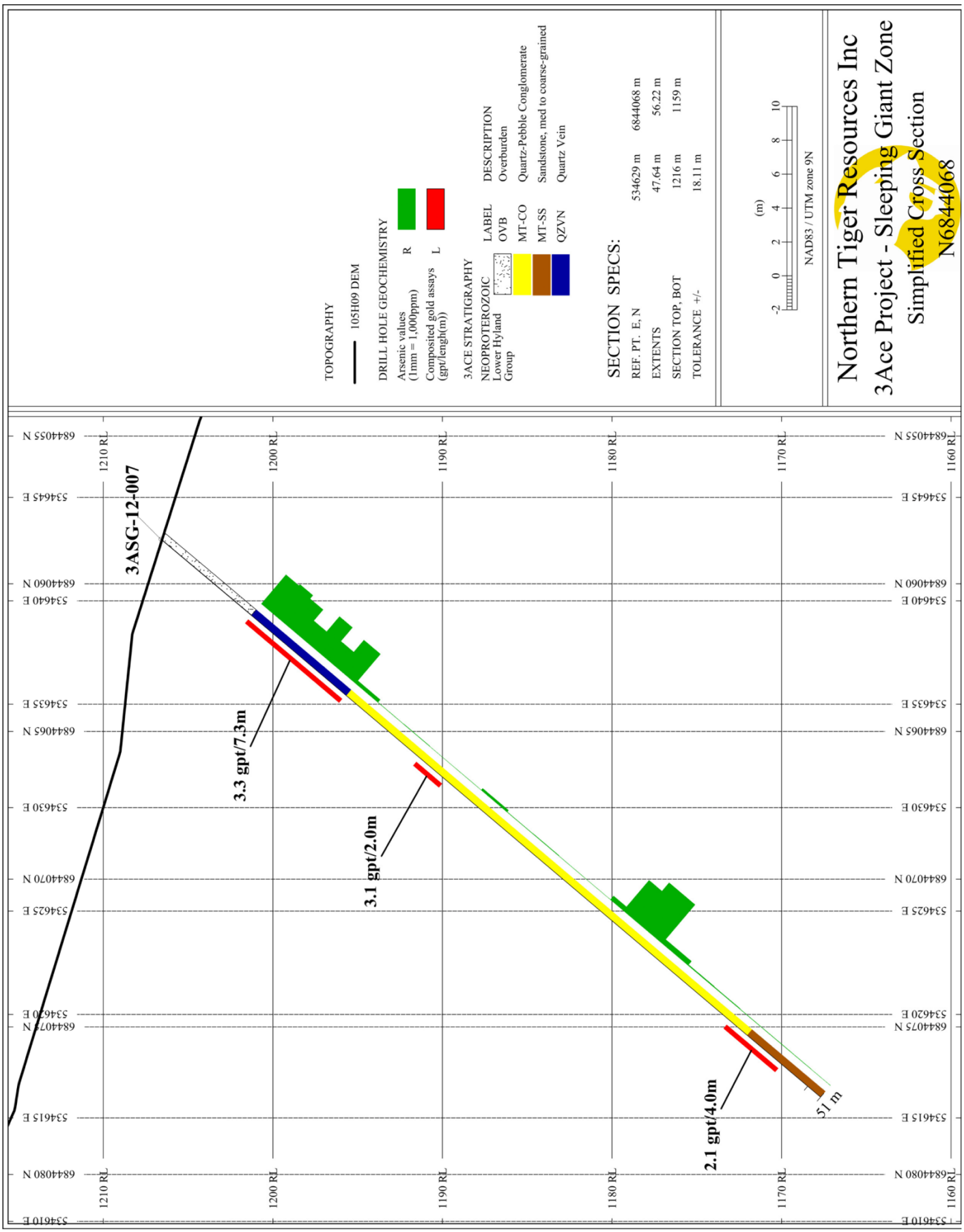

Northern Tiger Resources Inc
3Ace Project - Sleeping Giant Zone
Simplified Cross Section
N6844110
NAD83 / UTM zone 9N
(m)
-2 0 2 4 6 8 10
SECTION SPECS:
REF. PT. E, N 534653 m 6844110 m
EXTENTS 47.64 m 56.22 m
SECTION TOP, BOT 1215 m 1158 m
TOLERANCE +/- 18.54 m
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
3ACE STRATIGRAPHY
LABEL DESCRIPTION
NEOPROTEROZOIC Lower Hyland Group
OVB Overburden
MT-CO Quartz-Pebble Conglomerate
MT-Phy Phyllite, black
3ASG-12-002
6.4 gpt/1.0m
1.1 gpt/1.0m
0.6 gpt/1.0m
51 m
1210 RL
1200 RL
1190 RL
1180 RL
1170 RL
1160 RL
534675 E
534670 E
6844105 N
534665 E
534660 E
534655 E
6844110 N
534650 E
534645 E
534640 E
6844115 N
534635 E


Northern Tiger Resources Inc
3Ace Project - Sleeping Giant Zone
Simplified Cross Section
N6844190
NAD83 / UTM zone 9N
(m)
-2 0 2 4 6 8 10
SECTION SPECS:
REF. PT. E, N 534601 m 6844190 m
EXTENTS 47.64 m 56.22 m
SECTION TOP, BOT 1255 m 1198 m
TOLERANCE +/- 18.45 m
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
3ACE STRATIGRAPHY
NEOPROTEROZOIC Lower Hyland Group
LABEL DESCRIPTION
OVB Overburden
MT-CO Quartz-Pebble Conglomerate
MT-Phy Phyllite, black
QZVN Quartz Vein
3ASG-12-003
0.7 gpt/1.0m
51 m
1250 RL
1240 RL
1230 RL
1220 RL
1210 RL
1200 RL
534620 E
534615 E
534610 E
534605 E
534600 E
534595 E
534590 E
534585 E
534580 E
6844180 N
6844185 N
6844190 N
6844195 N
6844200 N


Northern Tiger Resources Inc
3Ace Project - Sleeping Giant Zone
Simplified Cross Section
N6844274
NAD83 / UTM zone 9N
(m)
-2 0 2 4 6 8 10
SECTION SPECS:
REF. PT. E, N 534579 m 6844274 m
EXTENTS 47.64 m 56.22 m
SECTION TOP, BOT 1276 m 1219 m
TOLERANCE +/- 18.06 m
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
3ACE STRATIGRAPHY
NEOPROTEROZOIC Lower Hyland Group
LABEL DESCRIPTION
OVB Overburden
MT-CO Quartz-Pebble Conglomerate
MT-Phy Phyllite, black
MT-SS Sandstone, med to coarse-grained
3ASG-12-004
51 m
1270 RL
1260 RL
1250 RL
1240 RL
1230 RL
1220 RL
6844260 N
534595 E
534590 E
6844265 N
534585 E
6844270 N
534580 E
6844275 N
534575 E
6844280 N
534570 E
6844285 N
534565 E


Northern Tiger Resources Inc
3Ace Project - Sleeping Giant Zone
Simplified Cross Section
N6844300
NAD83 / UTM zone 9N
(m)
-2 0 2 4 6 8 10
SECTION SPECS:
REF. PT. E, N 534545 m 6844300 m
EXTENTS 47.64 m 56.22 m
SECTION TOP, BOT 1286 m 1229 m
TOLERANCE +/- 17.93 m
3ACE STRATIGRAPHY
LABEL DESCRIPTION
NEOPROTEROZOIC OVB Overburden
Lower Hyland Group MT-CO Quartz-Pebble Conglomerate
MT-Phy Phyllite, black
MT-SS Sandstone, med to coarse-grained
QZVN Quartz Vein
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
TOPOGRAPHY
105H09 DEM
3ASG-12-005
1.0 gpt/1.8m
51 m
1280 RL
1270 RL
1260 RL
1250 RL
1240 RL
1230 RL
6844285 N
6844290 N
6844295 N
6844305 N
6844310 N
6844315 N
534560 E
534555 E
534550 E
534540 E
534535 E
534530 E

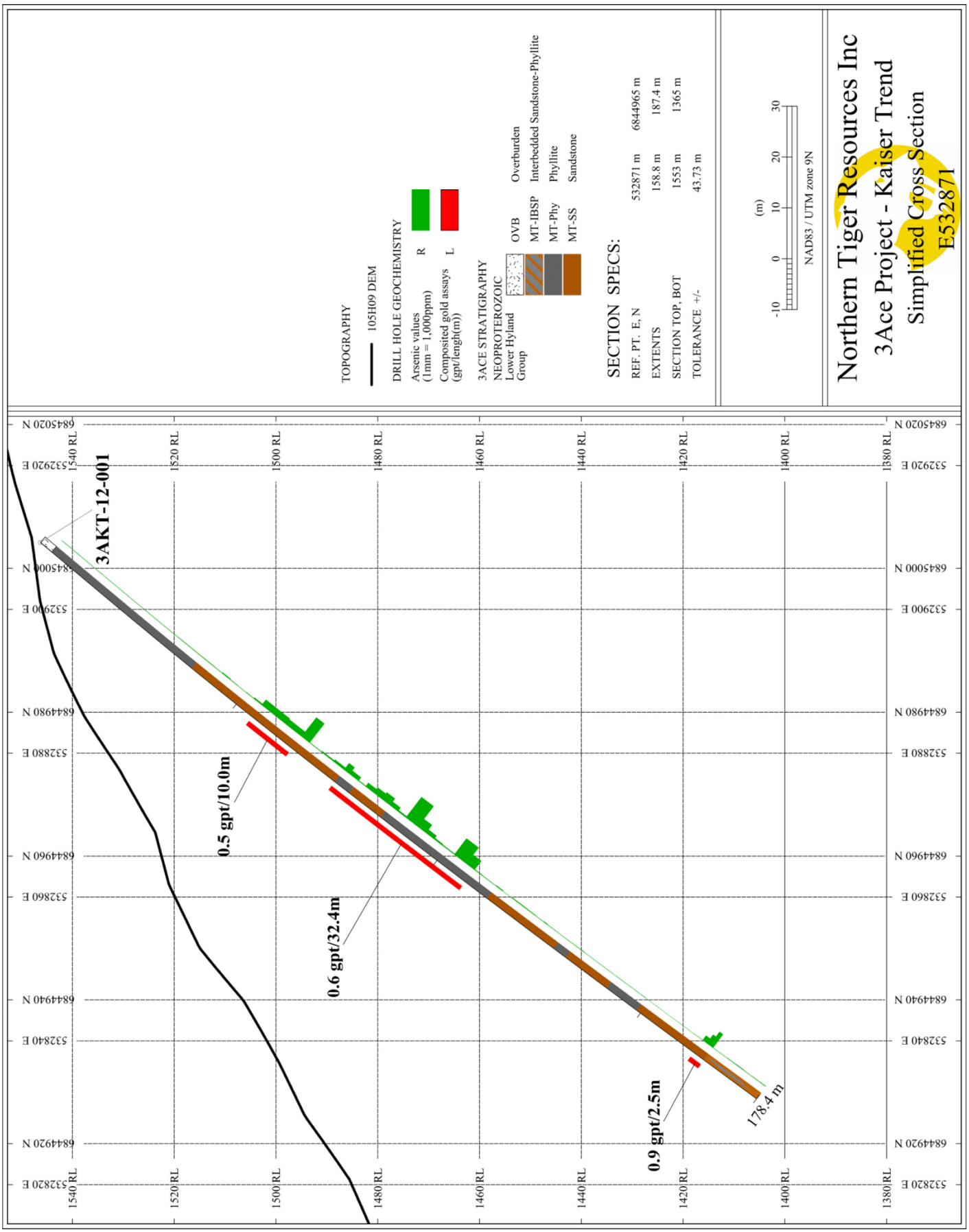

Northern Tiger Resources Inc
3Ace Project - Sleeping Giant Zone
Simplified Cross Section
N6844360
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm)
R
Composited gold assays (gpt/length(m))
L
3ACE STRATIGRAPHY
NEOPROTEROZOIC Lower Hyland Group
LABEL
DESCRIPTION
OVB
Overburden
MT-CO
Quartz-Pebble Conglomerate
MT-Phy
Phyllite, black
QZVN
Quartz Vein
SECTION SPECS:
REF. PT. E, N
534599 m
6844360 m
EXTENTS
47.64 m
56.22 m
SECTION TOP, BOT
1281 m
1224 m
TOLERANCE +/-
20.98 m
(m)
NAD83 / UTM zone 9N
3ASG-12-006
0.5 gpt/1.0m
0.4 gpt/1.0m
60 m
1280 RL
1270 RL
1260 RL
1250 RL
1240 RL
1230 RL


Northern Tiger Resources Inc
3Ace Project - Sleeping Giant Zone
Simplified Cross Section
N6844068
NAD83 / UTM zone 9N
(m)
-2 0 2 4 6 8 10
SECTION SPECS:
REF. PT. E, N 534629 m 6844068 m
EXTENTS 47.64 m 56.22 m
SECTION TOP, BOT 1216 m 1159 m
TOLERANCE +/- 18.11 m
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
3ACE STRATIGRAPHY
NEOPROTEROZOIC Lower Hyland Group
LABEL DESCRIPTION
OVB Overburden
MT-CO Quartz-Pebble Conglomerate
MT-SS Sandstone, med to coarse-grained
QZVN Quartz Vein
3ASG-12-007
3.3 gpt/7.3m
3.1 gpt/2.0m
2.1 gpt/4.0m
51 m
1210 RL
1200 RL
1190 RL
1180 RL
1170 RL
1160 RL
6844055 N
6844060 N
6844065 N
6844070 N
6844075 N
6844080 N
534645 E
534640 E
534635 E
534630 E
534625 E
534620 E
534615 E
534610 E

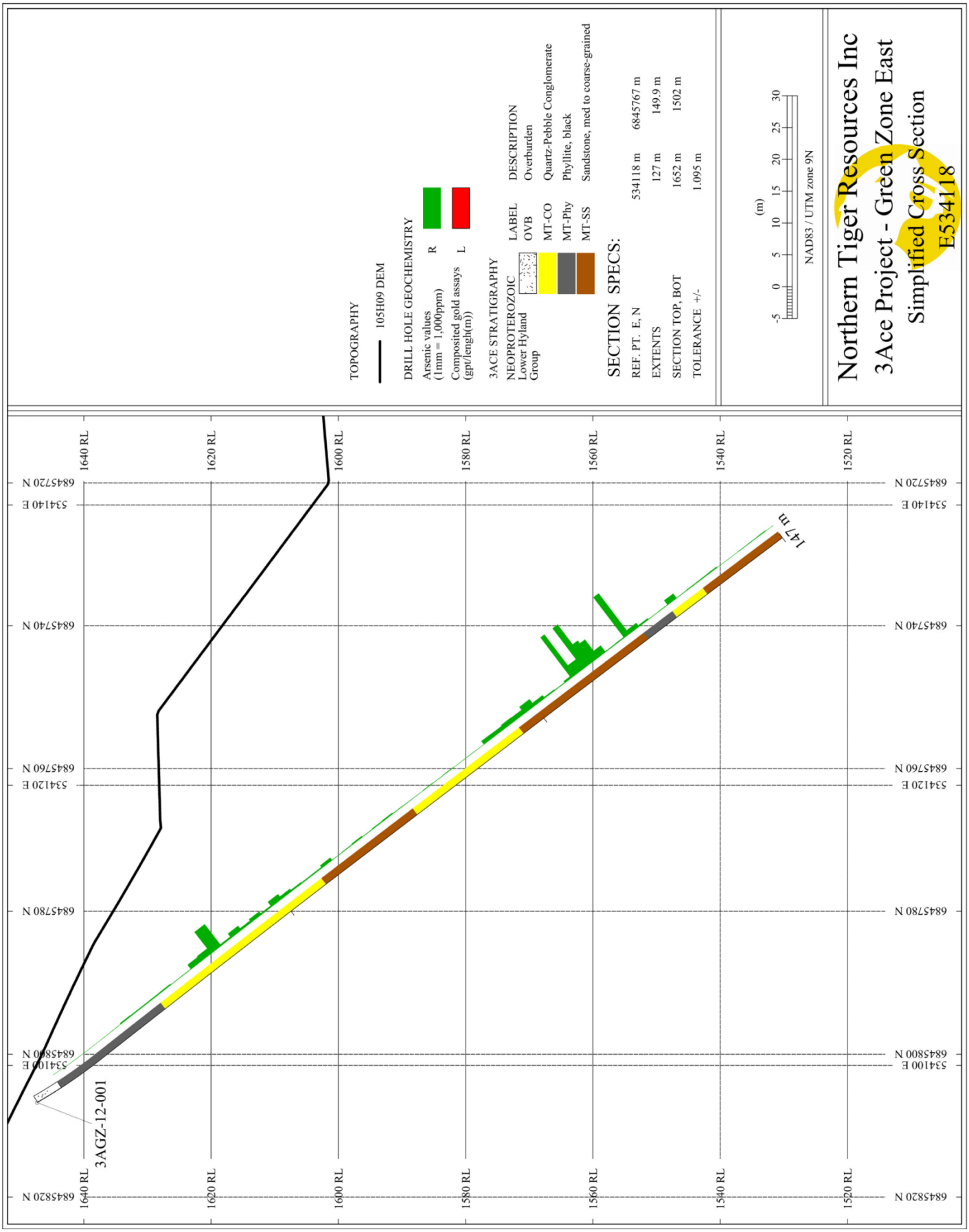
Main Zone West

533400 E
533410 E
533420 E
533430 E
533440 E
533450 E
533460 E
1560 RL
1550 RL
1540 RL
1530 RL
1520 RL
1510 RL
1500 RL
1490 RL
3AMW-12-001
0.4 gpt/6.0m
72 m
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/lengh(m)) L
3ACE STRATIGRAPHY
NEOPROTEROZOIC
Lower Hyland Group
OVB Overburden
MT-IBSP Interbedded Sandstone-Phyllite
MT-Phy Phyllite
MT-SS Sandstone
SECTION SPECS:
REF. PT. E, N 533430 m 6844203 m
EXTENTS 63.52 m 74.96 m
SECTION TOP, BOT 1562 m 1488 m
TOLERANCE +/- 1.244 m
SCALE 1 : 400
(m)
-4 0 4 8 12
NAD83 / UTM zone 9N
Northern Tiger Resources Inc
3Ace Project - Main Zone West
Simplified Cross Section
N6844203

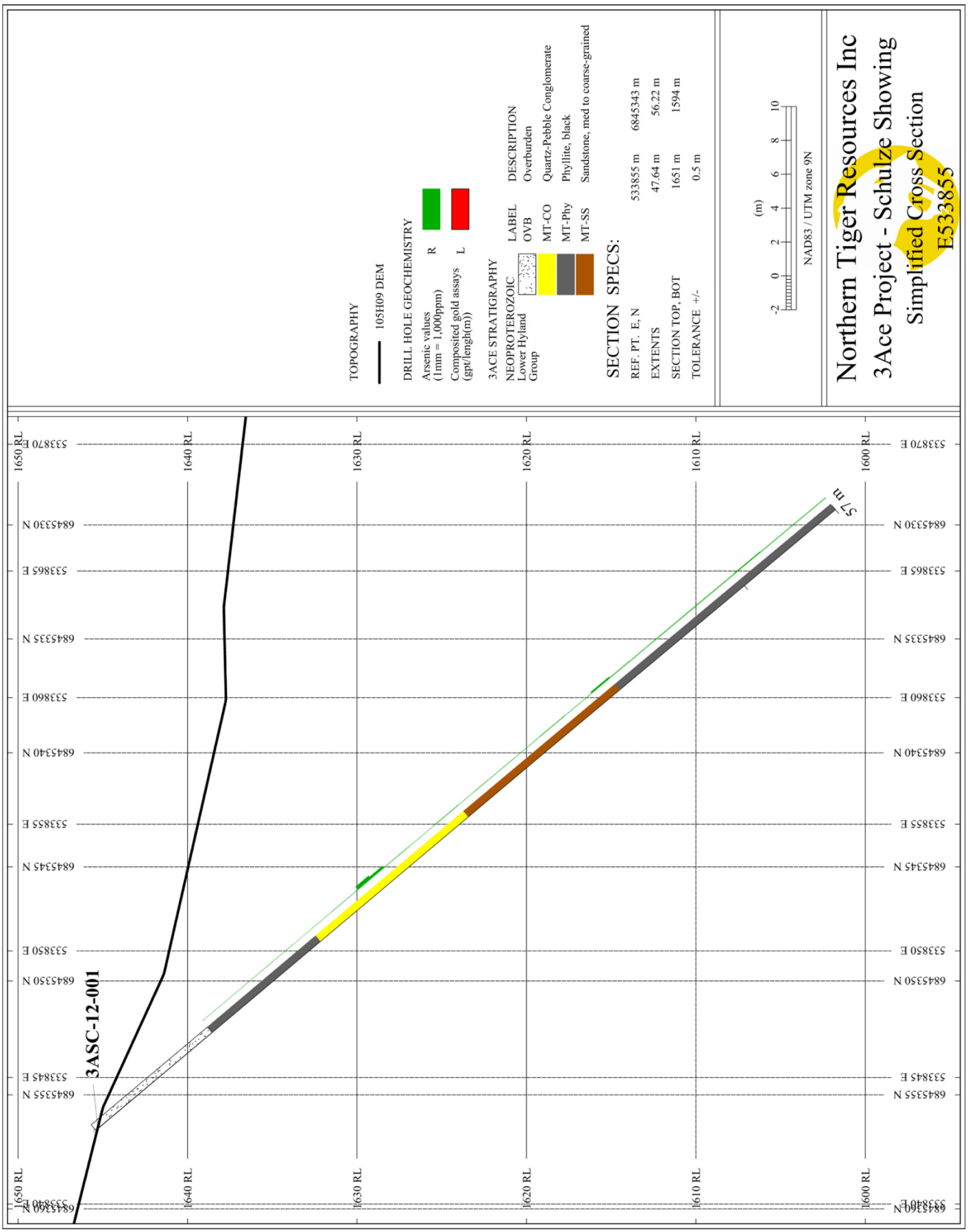
Kaiser Zone


Northern Tiger Resources Inc
3Ace Project - Kaiser Trend
Simplified Cross Section
E532871
TOPOGRAPHY
105H09 DEM
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
3ACE STRATIGRAPHY
NEOPROTEROZOIC
Lower Hyland Group
OVB Overburden
MT-IBSP Interbedded Sandstone-Phyllite
MT-Phy Phyllite
MT-SS Sandstone
SECTION SPECS:
REF. PT. E, N 532871 m 6844965 m
EXTENTS 158.8 m 187.4 m
SECTION TOP, BOT 1553 m 1365 m
TOLERANCE +/- 43.73 m
(m)
-10 0 10 20 30
NAD83 / UTM zone 9N
3AKT-12-001
0.5 gpt/10.0m
0.6 gpt/32.4m
0.9 gpt/2.5m
178.4 m
1540 RL
1520 RL
1500 RL
1480 RL
1460 RL
1440 RL
1420 RL
1400 RL
1380 RL
532820 E
532840 E
532860 E
532880 E
532900 E
532920 E
6844920 N
6844940 N
6844960 N
6844980 N
6845000 N
6845020 N

Green Zone East


Northern Tiger Resources Inc
3Ace Project - Green Zone East
Simplified Cross Section
E534118
NAD83 / UTM zone 9N
(m)
-5 0 5 10 15 20 25 30
SECTION SPECS:
REF. PT. E, N 534118 m 6845767 m
EXTENTS 127 m 149.9 m
SECTION TOP, BOT 1652 m 1502 m
TOLERANCE +/- 1.095 m
3ACE STRATIGRAPHY
LABEL DESCRIPTION
NEOPROTEROZOIC Lower Hyland Group
OVB Overburden
MT-CO Quartz-Pebble Conglomerate
MT-Phy Phyllite, black
MT-SS Sandstone, med to coarse-grained
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
TOPOGRAPHY
105H09 DEM
1640 RL
1620 RL
1600 RL
1580 RL
1560 RL
1540 RL
1520 RL
6845720 N
534140 E
6845740 N
6845760 N
534120 E
6845780 N
6845800 N
534100 E
6845820 N
3AGZ-12-001
147 m

Schulze Showing


Northern Tiger Resources Inc
3Ace Project - Schulze Showing
Simplified Cross Section
E533855
NAD83 / UTM zone 9N
(m)
-2 0 2 4 6 8 10
SECTION SPECS:
REF. PT. E, N 533855 m 6845343 m
EXTENTS 47.64 m 56.22 m
SECTION TOP, BOT 1651 m 1594 m
TOLERANCE +/- 0.5 m
LABEL DESCRIPTION
OVB Overburden
MT-CO Quartz-Pebble Conglomerate
MT-Phy Phyllite, black
MT-SS Sandstone, med to coarse-grained
3ACE STRATIGRAPHY
NEOPROTEROZOIC Lower Hyland Group
DRILL HOLE GEOCHEMISTRY
Arsenic values (1mm = 1,000ppm) R
Composited gold assays (gpt/length(m)) L
TOPOGRAPHY
105H09 DEM
3ASC-12-001
57 m
1650 RL
1640 RL
1630 RL
1620 RL
1610 RL
1600 RL
533870 E
533865 E
533860 E
533855 E
533850 E
533845 E
6845330 N
6845335 N
6845340 N
6845345 N
6845350 N
6845355 N

525000 530000 535000 540000

6855000 6850000 6845000 6840000 6835000

Legend

Claim Groupings

- HL12331
- HL12332
- Quartz Claims
- Claims_Drilled_2012

0 1,000 2,000

Meters

N

Quartz claims comprising the 3Ace Property, claim groupings and claims worked in 2012

NORTHERN TIGER RESOURCES

3Ace Property
Watson Lake Mining District

Projection: Nad 1983 Zone 9N	Scale: 1:25,000
Geology by:	NTS: 105H09/16
Cartography By: CRB	Date:October, 2013

Assessment Report on 2012 Diamond Drilling on the 3Ace Property, Little Hyland River Area, YT.

Volume 2: Appendix D: 2012 Diamond Drill Logs and Appendix E: Certificates of Analysis

3Ace Property
Watson Lake Mining District

Grant Numbers and Claim Names:

Grouping Certificate HL12331

YD59330-YD59337 (**Ace 23-30**), YD59340-YD59347 (**Ace 33-40**), YD25475-YD25478 (**Al 75-78**), YD11184-YD11191 (**Al 103-110**), YD25501-YD25504 (**Al 111-114**), YD25031-YD25082 (**Fred 1-52**), YD25557-YD25582 (**Fred 249-274**), YD25531-YD25556 (**Fred 275-300**), YD25505-YD25530 (**Fred 301-326**), YD26151-YD26346 (**Full 1-196**)

Grouping Certificate HL12332

YB91751 **(3 ACE 61)**, YD07109-YD07128 **(ACE 1-20)**, YD59328-YD59329 **(ACE 21-22)**, YD59338-YD59339 **(ACE 31-32)**, YD59348-YD59459 **(ACE 41-152)**, YD25401-YD25474 **(AL 1-74)**, YD25479-YD25500 **(AL 79-100)**, YD11182-YD11183 **(AL 101-102)**, YD10850-YD10859 **(COZY 1-10)**, YD26101-YD26150 **(HOUSE 1-50)**, YD29165-YD29172 **(JACK 5-12)**, YD29183-YD29199 **(JACK 23-39)**, YD18939-YD18936 **(JAKE 1-4)**, YD58282-YD58297 **(JAKE 5-20)**, YD10920-YD10923 **(JAN 1-4)**, YD24701-YD24800 **(JOE 1-100)**, YD11176-YD11177 **(JOE 101-102),**YC72439-YC72448 **(KING 1-10)**, YC72452-YC72459 **(KING 11-18)**, YC89511-YC89520 **(KING 19-28)**, YC72724-YC72733 **(KING 29-38)**, YC73284-YC73295 **(KING 39-50)**, YC73848-YC73859 **(KING 51-62)**, YC89521-YC89530 **(KING 63-72)**, YD07129-YD07138 **(KING 73-82)**, YD10860-YD10869 **(KING 83-92)**, YD10900-YD10919 **(KING 93-112)**, YD24901-YD24930 **(OCS 1-30)**, YD24933-YD24982 **(OCS 33-82)**, YD11172 **(QUEEN 1)**, YD07139-YD07148 **(QUEEN 2-11)**, YD11173-YD11175 **(QUEEN 12-14)**, YB85182-YB85191 **(SPROGGE 1-10)**, YB85338-YB85381 **(SPROGGE 11-54)**, YB85781-YB85800 **(SPROGGE 55-74)**, YD25135-YD25154 **(TEXAS 1-20)**

NTS Sheets 105H09, 105H16
61°43’37”N Lat, 128°21’46”W Long
UTM (NAD 83): 533700E, 6843800N, Zone 9

Work Completed:
May 20, 2012 to July 31, 2012

Prepared For:
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Northern Tiger Resources Inc.

October 25, 2013

Appendix D
2012 Diamond Drill Logs

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Main Zone **Hole ID:** 3A-12-036 **Logger:** BES **Grant No.:** YC72728

Location				Orientation		
Easting:	**Northing:**	**Latitude:**	**Longitude:**	**Plunge:** 60	**Start Date:** 07/07/2012	
533840.0	6843945.0			**Azimuth:** 270	**Finish Date:** 11/07/2012	
Elevation:	1498 m	**Grid Name:** NA		**EOH:** 285.0 m	**Status:** Completed	
Datum:	**UTM Zone:**	**Grid N:**	**Grid E:**	**Core Size:** HQ	**Contractor:** Driftwood	
NAD83	9					

Objective:
The objective of 3A-12-036 is to intersect the downplunge extension of the high grade shoot identified in the Leapfrog modelling of the 2011 Au intersections.

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
12	61.7	268.7	5638	Reflex	1
90	63	269.4	5586	Reflex	1
150	63.2	270.5	56586	Reflex	1
210	64.7	270	5619	Reflex	1
270	65.5	270.7	5602	Reflex	1

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	6	Casing	CASING		100.0%				co	1
6	67.2	vfg blk, well fol phyllite with 1mm silst interbeds. Fol at an angle to S0. Locally see gentle F1 folding. Some SHTV and flt fill vns. Or lim alt along fol/S0/fracs. Chl alt assoc with qtz veinlets. Gradational lower contact with sandstone starting at 62.9 with 1-80cm thick mgr sndst interbeds. Also increase in vn percentage to 8% (flt fill and SHTV).	MT-Phy	fol	90.0%	n			br	3
6	67.2	vfg, gy occurring as thing 1mm interbeds in phyllite. Tend to be preferentially lim alt.	MT-SLT	fgr	9.0%	gy			br	3
6	67.2	Several types of QZVN. Thicker 6cm flt fill, 0.4-1cm SHTV and 1mm SHTV microveinlets. Vnlets locally have chl alt. Thicker vns fraced with AV and rsty vugs.	QZVN	frac	1.0%	w			br	2
67.2	88.83	mgr sndst. 30% fspar, 25%qtz grns.Green-gy near upper contact with phyllite due to perv chl alt. x-cutting lim fracs (orange) and veins. Abndt QPC interbeds near top of interval, grading into consistent sandstone towards base. Fspar grns are preferentially alt to wh cy and tend to be recessive in QPC. Diss fgr py throughout and concentrated in vns. Has very thin (<1mm) blk cy seams (chl?) along fol?	MT-SS	mgr	50.0%	gy			co	3
67.2	88.83	Gy, matrix supported with cgr sndst matrix.15% wh subrnd, cy alt, recessive fspar pbl 0.1-0.3cm diameter, 25% subang gy qtz pbl 0.2-0.3cm. Tend to have more abndt QV in QPC. Diss fgr euhed py throughout (trace). Grades into more cgr layers with up to 1cm pbl elongated along fabric.	MT-CO	pbl	40.0%	gy	qtz	25	co	3
67.2	88.83	0.1-8cm wh TVA, SHTV, and flt fill vns, locally QZVN bx. Some vuggy, sulphides tend to be more concentrated in QV.	QZVN	vug	10.0%	w			co	3
88.83	109.2	Top of interval is very cgr clast supported QPC with 0.2-1cm sized pbl. 10% subang-ang wh qtz pbl, 15% cy/lim alt recessive fspar pbl, 40% rnd gy qtz pbl. Grading in and out of cgr QPC, to matrixe supported (matrix cgr sndst), pale grn-gy ser alt QPC with fabric defined by blk stringers (chl?). Trace diss py throughout as well as in vns. Lim alt along fracs and fspar grains. Abndt SHTV and TVA, some selective ser of alt of fspar locally. Angular wh qtx pebble are likely bx QV fragments. Qtz and fspar grains locally elogated along fabric, especially where percentage of qtz increases. Gradual lower contact with phy with perv/smgr fspar ser alt in QPC beds ineterlayered with 5-10cm phy beds/rip-up clasts.	MT-CO	pbl	80.0%	gy	qtz	40	co	3
88.83	109.2	Occurring as 0.5-1m interbeds in QPC. Typically cgr with ser/sil alt qtz cement. 30% rnded gy qtz grns, 15% wh rnded fspar grns. Abndt TVA in sndst layers. Tend to have the 1m spaced thin (1mm) blk by seams (chl?). Trace py diss and in vns.	MT-SS	cgr	15.0%	gy			co	3

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Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Main Zone	Hole ID:	3A-12-036	Grant No.:	YC72728
	Plunge:	Azimuth:	EOH:				
	60	270	285				

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
88.83	109.2	Wh, massive, frac'd QV occuring as 0.1cm to 5cm SHTV as well as broken/wispy sigmoidal TVA, generally less than 1cm thick. Some vns are vuggy with py blebs.	QZVN	frac	5.0%	w			co	3
109.2	151.12	Vfgr, thinly bedded phyllite with penetrative fol, locally coated with graphite in more deformed areas, and locally folded. Alternating 1mm to 1cm wide blk phyl layers and gy slst layers. At top of interval have a couple thicker slst to fgr sndst layers with abndt phyl rip-up clasts and phyl beds, but minor compnent of overall lithology. Vns tend to be qtz-cbt with blebs of chl alt. Abndst py in this phyl layer with py along vns, bedding, diss. Graphite along foliation plane throughout.	MT-Phy	fol	85.0%	n			fr	3
109.2	151.12	Fgr, gry interbeds in phy with abnds wh fspar grns. Tend to be preferential bedding host for py. Generally 1mm layers, but a couple thicker layers at top of the interval in gradual contacts zone between phy-QPC.	MT-SLT	fgr	10.0%	gy			co	3
109.2	151.12	Vns in phyl tend to be very irregular, broken, chl alt with white cbt blebs and fracs as well as blebs of chl. Py abndt in SHTV and cataclastic zones. Many vns folded/deformed with clasts of phyl within. Most contain blebs of py with chl or in vugs.	QZVN	chl	5.0%	w			co	3
151.12	177.1	Top of interval is mod-well foliated QPC with common phyllite interbeds and clasts elongate along fabric, common 1-3mm sub ang clay altered fspar pbl, subang-subrnd gy-milky w qtz pbl (0.1-1cm, sometimes elongate along fabric), in MT-SS.cgr matrix. Further down section, foln becomes weaker and clay altered fspar and qtz clasts (<0.5cm) become more dominant in QPC, matrix supported throughout entire interval, common micaceous+ clay+/- chl? Vnlets/ stringers that often defines foln (wavy locally), abundance varies locally, abnt qtz veining, SHTV, fault fill veins and TVA throughout including a intensely brecciated zone of QZVN from 165-171.57m. Few open +/- clay lined vugs all <0.5cm. Sulfides are mainly diss but also frac infill, in vnlets, and minro vug infill. Contacts between lithos are gradational and everything is interbedded.	MT-CO	pbl	47.0%	gy		15	co	3
151.12	177.1	In gradational contact with QPC, occurs as 0.25-1.25m interbeds, mgr-cgr, gy, local chl altn near top of interval, common micaceous+clay+/- chl? Stringers define a wk-mod foln, <5% 1-2mm clay altered recessive fspar clasts (10% fspar overall), 40% qtz grains , common qtz veining throughout (SHTV, fault fill, TVA), diss sul thoughout and preferentially along fracs/ vnlets	MT-SS	mgr	30.0%	gy			co	2
151.12	177.1	Milky w, fractured QV occuring as SHTV, fault infill, vnlets, and TVA. Varies from being massive to intensely brecciated and broken up. Commonly small vugs throughout with beige powdery clay lining (recessive fspar?), rare L1 altn within fracs and vugs, chl altn common around boundaries and as vnlets, from 165.00-171.57m and 175.45-175.70m, intensely brecciated fault fill QZVN with common dk gy vfgr vnlets xcutting, qtz is much more altered and ranges from milky w to transparent gy, more abnt small open vugs and fracs. Sulfides are concentrated within vugs and along fracs/ vnlets (from 154.16-154.30m, ~3cm wide open vug with abnt py xtls througout)	QZVN	frac	20.0%	w			co	3
151.12	177.1	Occurs as 10-40cm interebeds in fairly sharp contact with QPC interbeds, vfgr, well foliated with gph altn along foln planes in more deformed areas, local fault gouge secitons (40cm max), abnt 1-5mm blk and light gy siltstone laminations (10% in phyllite), rare qtz vning (SHTV), sul diss, frac infill and within vnlets	MT-Phy	fol	3.0%	n			co	3
177.1	180.8	pale gy fgr sndst 20% wh subrnd fspar crns, 30% rnd gy qtz grns. Abndt x-cutting buff fracs and thin 1mm white qtz vnlets. Upper conact with QPC is phyllite gouge. Lower contact is qtz vn/sndst bx with angular to subangular qtz and sndst clasts and silica and/or py matix. Trace diss pyrite throughout.	MT-SS	fgr	96.0%	gy			co	3
177.1	180.8	Occurs as irregular 1mm to 1cm interbeds in fgr snds. Blk, vfgr, well fol (penetrative)	MT-Phy	fol	3.0%	n			co	3
177.1	180.8	Abndt x-cutting wh vuggy qtz vnlets and thicker wh fractured SHTV 1-3cm wide, 3 sets. Minor wh cy alt along x-cutting fracs.	QZVN	vug	1.0%	w			co	3

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Project:	NTR3A	Prospect:	Main Zone	Hole ID:	3A-12-036	Grant No.:	YC72728
	Plunge:	Azimuth:	EOH:				
	60	270	285				

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
180.8	185.47	Gy, matrix (cgr sndst) supported QPC with 0.1-0.5cm subrnd wh cy alt fspar pbl 10%, and 20% subrnd 0.1-0.4cm gy qtz pbl. Blk cy seams (chl?) identifying a fabric? Spaced 0.4cm apart. Also abndt x-cutting open microfracs. Fgr euhed py in vn vugs and diss, asp trace diss. QPC x-cut by abndt TVA/SHTV/fracs so has a stkwk habit. Moderat silicification of QPC matrix (fgr gy silica) with cy alt along fracs. Lower contact with sandstone is gouged with minor phyllite.	MT-CO	pbl	60.0%	gy	qtz	20	co	3
180.8	185.47	Massive white SHTV/TVA arrays x-cutting the core. SHTV tend to be vuggy, hosting cgr euhed aspy while TVA do not have vugs, locally microfracs. Abundance of x-cutting vns creates stkwk texture.	QZVN	vug	40.0%	w			co	3
185.47	190.7	Mgr gy sndst with silica cement. 10% beige fspar grns, some elongated along wispy black cy seams (fol?) spaced 0.5cm apart. 30% gy qtz grns, 5% drk lithic grns. Interbedde with 1mm to 5cm blk phyllite beds locally. X-cutting biege ankerite (?) microfracs that react with HCl when powdered. Trace ser diss throughout sndst, grades to fgr sndst in small intervals. Trace diss euhed py and trace py along broken vns in phyl. Sharp lower contact with interbedded phyllite-sndst unit.	MT-SS	mgr	70.0%	gy			co	3
185.47	190.7	Vfgr, blk 0.1-5cm interbeds in sndst interval. Tend to have brittle white QV with chl/ank alt and py. Higher frequency of phyllite interbeds at upper and lower contacts of unit.	MT-Phy	fol	29.0%	n			co	3
185.47	190.7	Minor qtz vning as 0.1-0.5cm vuggy, wh SHTV, 1 dominant set spaced 10+ cm apart.	QZVN	vug	1.0%	w			co	3
190.7	215.15	10cm to 1m interbeded phyllite-sandstone. Phyllite layers tend to have thin 1mm-1cm siltstone interbeds as well. Sharp contacts between interbeds. Phyllite is vfgr, black, well fol with abundt cataclastic qtz vns that are chl-ank alt and usually contain clasts of phyl. Sandstone beds are mgr to cgr 20% fspar grns and 30% qtz grns with silica cement and cross cutting ank fracs. Upper contact of interval is intensely gouged/veined/fractured to about 201m with gouged cataclastic zones in phyllite and abndt TVA/SHTV/vnlets/fracs in sandstone. 1% diss py throughout with trace aspy, more abndt vn/frac mineralization in highly deformed sections (gouge/bx/CSZ/vned). Appears as though there is lots of soft sed defn between sndst-phyl beds a they are often very deformed/irregular.	MT-IBSP	mgr	60.0%	gy			co	3
190.7	215.15	abndt quartz veining in this interval, especially at the bottom after 208.56m. TVA/SHTV/vnlets throughout sandstone an phyllite interbeds with local QZVN bx. Vns in phyllite beds tend to be chl/ank alt in catclasite zones while vns in sndst beds are SHTV/TVA/vnlets x-cutting as stkwk. Increase in vning/fracing corresponds to an increase in sulfides (py and aspy). Tiny spec of VG at 211.20m in QZVN.	QZVN	frac	30.0%	w			co	3
190.7	215.15	Occurring as thin 1mm-1cm interbeds within phyllite zones. Vfgr, gy.	MT-SLT	fgr	10.0%	gy			co	3
215.15	231.75	vfgr black phyl with penetrative foliation hosting 1% gf throughout. Intensely deformed cataclasite across entire interval with local flt gouge. Anundant qtz vns x-cutting throughout, ank/chl alt in vns at upper contact with IBSP. Sharp gouged lower contact with QPC.	MT-Phy	CSZ	80.0%	n			fr	4
215.15	231.75	White,irreg, broken/shattered flt and tension veins/vnlets. Host cgr pyrite. Contain clasts of phy/slst. X-cut in all directions. Locally bx and intensely fracd.	QZVN	frac	10.0%	w			fr	4
215.15	231.75	1mm-2cm vfgr gy interbeds in phyllite. Locally slightly coarser grn (almost fgr sndst). Diss py tends to be hosted in these interbeds.	MT-SLT	fgr	10.0%	gy			fr	4
231.75	255.75	Interval grading in and out of cgr clast supported QPC to finer matrix supported QPC (almost to cgr sndst, but clast sizes still quite large). QPC has diss py throughout and is moderately silicified with wk cy alt along x-cutting fracs. Clast supported QPC has 3 % 0.2-0.4cm wh cy alt elongated subrnded to subangular fspar and 40% 0.2-0.5cm gy/wh subrounded to rounded qtz pbls. Silica cement. Matrix supported QPC has cgr sndst matrix, 20% 0.1-0.3 gy rnded qtz pbl and 1 % 0.1-0.2cm wh cy alt subang fspar.	MT-CO	pbl	90.0%	gy	qtz	40	br	2
231.75	255.75	vfgr gy 1mm-5cm interbeds with phyllite, increasing in proportion in gradational lower contacts of phylite-slst beds with QPC. Any diss py in phyl-slst unit tends to be preferentially concentrated in slst bed.	MT-SLT	fgr	5.0%	gy			fr	3

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Project:	NTR3A	Prospect:	Main Zone	Hole ID:	3A-12-036	Grant No.:	YC72728
	Plunge:	Azimuth:	EOH:				
	60	270	285				

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
231.75	255.75	vfgr blk 1mm to 3cm well fol phyllite interbeds occuring in 10cm to 1m intervals at mid section of QPC interval. Mostly sharp upper contacts with QPC, 5-10m gradational lower contacts grading from phyl-slst-sndst with less and less mm thick phy beds.	MT-Phy	fol	5.0%	n			fr	3
255.75	270	vfg thinly interbedded blk phyllite with graphite along fol.1-5cm gy slst interbeds with wispy blk phyllite beds within. Abndt x-cutting irreg/broken qtz vns/vnlets, locally forming stkwk. Several 10cm cataclastic zones in interval. Lower contact with QPC is broken/flted/gouged with an increase in ank alt in vns and increase in asp/py in vns/fracs.	MT-Phy	fol	77.0%	n			fr	4
255.75	270	0.1-5cm gy fgr interbeds within phyllite. Tend to host fgr diss py.	MT-SLT	fgr	20.0%	gy			fr	4
255.75	270	Small 1m interval of intensely vned(TVA/SHTV/vnlets)/fracd fgr gy sndst at 264m (towards end of phyllite unit).	MT-SS	fgr	3.0%	gy			fr	3
270	270.55	Unique 55cm layer of interbedded phyllite and mudstone. 0.1cm blk phyllite interbedded with 0.1-3cm vfgr buff, soft (H<5) mudstone layers. 10% 0.1-3cm wh cy alt cgr sndst clasts, subrounded to rounded (drop clasts?) throughout with 0.1-0.2cm pink garnet porphyroblasts. Larger sndst clasts have vfgr blk rims.	MT-MS	gt.pb	100.0%	bf	ss	10	co	2
270.55	278.12	Gy, silicified, cgr sndst matrix-supported QPC with 10% 0.3-0.7cm white subrounded qtz vn pbl, 30% 0.3cm gy qtz pbl, 5% wh cy alt 0.1-0.3cm subang fspar grns, rest sil cgr sndst matrix. Some grading of QPC to finer pbl locally. Lower contact with phy is intensely vned/fracd with abndt cgr euhed py in vn vugs/fracs. Most of interval has abndt white qtz vnlets and thicker SHTV and flt fill vns forming stockwork texture. Locally brecciated with angular qtz vn clasts up to 1cm size in a silica cement, sulphides along fracs.	MT-CO	stk	50.0%	gy	qtz	30	br	3
270.55	278.12	Abundant white x-cutting qtz vnlets, several cm wide fracd white flt fill veins and broken 1-1.5cm white SHTV. X-cutting fracs and vugs host asp/py and trace gn. X-cutting vns form stockwork as well as locally gouged qtz vn bx.	QZVN	frac	35.0%	w			br	3
270.55	278.12	Thin gouged and cataclastically deformed phyllite interval with crushed phyllite and qtz vns. Minor 0.1mm gy slst interbeds, very deformed bedding. Graphite along fol. Diss py in coarser beds.	MT-Phy	CSZ	5.0%	n			br	4
278.12	282.55	Fgr well fol black phyllite with graphite along fol. Abndt deformed cataclastic zones with crushed flt fill qtz vns and phyllite. Abndt x-cutting wh qtz vnlets, often irregular, angular, and broken hosting py. 0.1cm to 5cm beds with minor 1mm slst interbeds. Diss py along coarser grn beds. Ank alt more intense at top of interval. Sharp lower contact with QPC.	MT-Phy	CSZ	70.0%	n			fr	4
278.12	282.55	Abndt cataclastically deformed/broken white qtz vns with blebs of ank/chl. Abndt x-cutting qtz vnlets as well. 278.87-279.25 is a thick flt fill white qtz vn x-cut by fras hosting py/asp.	QZVN	frac	25.0%	w			co	4
278.12	282.55	Occur as gy 0.1cm interbeds in phyllite. Tend to host diss py.	MT-SLT	fgr	5.0%	gy			fr	4
282.55	285	Gy sil QPC with 0.1-0.3cm ppbl. 10% wh cy alt fspar subrnd, 20% subrnded to rnded gy qtz. Matrix-supported with cgr sndst matrix. Locally pbl up to 0.4cm. X-cut by white SHTV and flt fill vns. Blk cy seams spaced 0.5cm define a fabric (not sure if fol or bedding).	MT-CO	pbl	75.0%	gy			co	2
282.55	285	White qtz vns, 1-2cm SHTV spaced 1-5cm apart and 10cm flt fill vns. Flt fill vns tend to be vuggy, SHTV minor fracs.	QZVN	frac	25.0%	w			co	2

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Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
0	88.83	selectively replacing slst interbeds in phy	LIM	1.5	S0	o
0	88.83	in fracs x-cutting S0 and QZVN	LIM	1	frac	o
0	88.83	v weak, fracs x-cutting phy	FeOx	1	frac	r
0	27	chl alt at margins of some SHTV vnlets	chl	1	vn	g
36	88.83	start to see cbt in sheeted and boudinaged/folded QV	cbt	2	vn	w
53.8	67.75	more abndt chl in SHTV (increase in vn intensity as well)	chl	2	vn	g
62.9	67.75	pervasive ser alt in mgr sndt interbeds in gradation contact b/w sndst-phy, continuing into sndst unit.	ser	3	diss	g
68.2	69	abndt fracs x-cutting vns and QPC coated w/ lim	LIM	2.5	frac	o
68.2	69	lim alt of by alt fspar pbl in QPC	LIM	2.5	smgr	o
69	88.23	locally green ser alt of fspar grns in QPC	ser	1	smgr	g
69	109.2	white cy alt of fspar grns in QPC intervals	cy	1.5	smgr	w
69	88.23	some x-cutting cy mircrofracs	cy	1	frac	w
69	88.23	ser alt of sndst and QPC matrix	ser	1.5	perv	g
69	88.23	ser alt of cy alt fspar grns in QPC	ser	1.5	smgr	g
69	109.2	silicification of qtz and sndst making core very hard and glassy	SIL	2.5	perv	gy
88.83	109.2	minor frac coated with white cy	cy	1	frac	w
88.83	109.2	lim coating on some vugs forming in SHTV	LIM	1	vug	o
88.83	109.2	lim coating minimal irreg fracs in QPC-sndst	LIM	1	frac	o
93.56	96	ser alt of sndst/QPC matrix making rock a grn-gy colour	ser	3	perv	g
93.56	96	some cy alt fspar grns in QPC also ser alt, pale grn colour	ser	1.5	smgr	g
96.7	99.87	fracs more abndt in cgr clast supported QPC interval, coated with orange lim	LIM	1.5	frac	o
96.7	99.87	lim alt of cy alt fspar grns in cgr clast-supported QPC	LIM	2	smgr	o
102	109.2	ser alt of cy alt fspar grns in QPC	ser	1	smgr	g
107.25	151.12	buff/biege coloured mineral in qtz vns effervesce with HCl once powdered, H<5 (scratch with nail)	ank	1	vn	bf
107.25	109.2	ser alt of QPC/sndst matrix in gradational lower contact with phyl	ser	3	perv	g
107.25	151.12	chl alt of cataclastic, deformed qtz-cbt vns in phyllite	chl	1	vn	g
107.25	151.12	buff-w coloured cbt infilling vugs/coating fracs in qtz vns within phyllite unit	cbt	1	vn	w
151.12	177.1	buff/ beige clay altered fspar clasts, also coats inner edges of open vugs and acts as frac infill (mainly in QZVN, but also in QPC)	cy	1	frac	bf
151.12	177.1	selective white cy alt of fspar grns in QPC/sndst	cy	1	smgr	w
151.12	152.37	chl alt of mod-str fol QPC, very subtle, can see greenish hues in clay altered fspar grains and along bedding plans. Abnt <1mm vnlets of mica+clay+/- chl throughout	chl	1	diss	g
162.1	175.28	Silicification of sndst and QPC, making core extremely hard and causing the loss of structural foln. Still some wthred clay filled fspar grains and abnt QZVN throughout.	SIL	1.5	perv	gy
166.1	166.4	silvery gy in phyllite gouge, along foln plans	gph	1	fol	gy
175.4	175.55	silvery gy, along foln of phyllite in contact with intensely brecciated QZVN	gph	1	fol	gy
176.6	177.1	silvery gy, pervasive, within phillite gouge and along foln planes.	gph	2	fol	gy
177.1	190.7	x-cutting wh cy vnlets in sndst	cy	1	frac	w
180.8	185.47	selective cy alt of fspar pbl in QPC	cy	2	smgr	w

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
183	184.5	pervasive silicification of QPC matrix where veining most intense	SIL	2	perv	gy
185.47	190.7	biege ankerite vnlets x-cutting sndst, react with HCl when powdered.	ank	1	vn	bf
185.47	190.7	pervasive silicification of sandstone, hard and glassy surface	SIL	2.5	perv	gy
185.47	215.5	vfgr sericite diss in sndst	ser	1	perv	w
190.7	215.5	buff/beige x-cutting ank fracs throughout	ank	2	frac	bf
190.7	215.5	chl alt of cataclastic qv in phy/sndst (occurs as green blebs in vns)	chl	1	vn	g
190.7	215.5	ank blebs in larger deformed vns	ank	2	vn	bf
190.7	215.5	x-cutting wh cy fracs throughout snds/phy	cy	2	frac	w
190.7	215.5	selective cy alt of fspar grns in sndst	cy	1	smgr	w
199.85	211.55	moderate silicification of sndst matrix	SIL	2.5	perv	gy
212.35	217.1	increase in the amnt of ank in vns and along fracs at bottom of IBSP	ank	3	vn	bf
212.35	217.1	chl blebs in irregular fracd cataclastic vns in phyllite	chl	2.5	vn	g
231.75	238.1	pervasive silicification of QPC making core glassy/hard	SIL	3	perv	gy
231.75	255.75	selective w cy alt of fspar grns in QPC	cy	1	smgr	w
231.75	241.45	x-cutting w cy microfracs throughout interval	cy	1.5	frac	w
238.93	239.38	silicification of QPC	SIL	3	perv	gy
240.41	240.8	ser alt of fspar grns in QPC making them a pale grn colour	ser	1	smgr	g
240.41	240.8	pervasive alt of QPC matrix giving core a pale green-gy colour	ser	3	perv	g
240.41	255.75	silicification of QPC, decreasing in intensity at lower contact with phyllite.	SIL	2.5	perv	gy
241.45	255.75	increase in abundance of w cy coated fracs x-cutting QPC in broken zone	cy	2.5	frac	w
255.75	265.2	wh cy coating microfracs x-cutting phyllite	cy	1.5	frac	w
255.75	265.2	biege coloured blebs of ank in thicker cataclastic vns as well as x-cutting vnlets in phyllite	ank	1.5	vn	bf
265.2	270	see some chl alt occuring as blebs in cataclastically deformed white qtz vns	chl	1	vn	g
265.2	270	increas in vn intensity and increase in amnt of ank in vns	ank	2	vn	bf
265.2	270	increase in intensity of x-cutting cy vns in broken/vned/fracd section of fgr sndst	cy	3	frac	w
270.55	278.12	wh sy alt of recessive fspar pbl in QPC	cy	1	smgr	w
270.55	278.12	pervasive silicification of QPC matrix	SIL	2.5	perv	gy
270.55	278.12	x-cutting microfracs infill with wh cy in QPC	cy	1.5	frac	w
278.12	278.87	blebs of ank in deformed cataclastic flt fill vns in phyllite	ank	1	vn	bf
278.12	278.87	blebs of chl in deformed cataclastic flt vns in phyllite	chl	1	vn	g
278.87	279.25	increase in intensity of ank alt in thick flt fill vn	ank	2	vn	bf
279.25	282.55	weak ank alt as blebs in irreg wh qtz vns/vnlets	ank	1	vn	bf
279.25	282.55	weak chl alt as blebs in irreg wh qtz vns	chl	1	vn	g
282.55	285	weak to moderate silicification of QPC making core glassy/hard (H>5)	SIL	2.5	perv	gy
282.55	285	minor x-cutting microfracs in QPC coated with wh cy	cy	1	frac	w
282.55	285	selective wh cy replacement of fspar grns in QPC	cy	1	smgr	w
282.55	285	diss fgr ser grns in QPC matrix	ser	1	perv	w

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
9.9	11.25	FZ	300.0%	gg	cy flt gouge zone phy w/ weak lim alt along fracs in phy clasts
11.25	17	FZ	200.0%	BFZ	heavily fragmented zone with poor recovery
23.25	24	FZ	200.0%	BFZ	heavily fragmnted zone with lost core
26.6	30	FZ	300.0%	BFZ	shear zone with gf along fol and folded qtz veinlets
36	37.1	FZ	300.0%	gg	fault zone with abndt cy gouge sections with a flt fill qtz-cbt vein (10cm)
39.65	42	FZ	300.0%	gg	abndt broken phy and cy gouge sections, poor recovery
43	43.1	FZ	300.0%	gg	gy gouge zone in phy
47	53.1	FZ	400.0%	gg	section of phy w/ abndt gouge and broken zones , lost core
57.9	60	QZVN	200.0%	SHTV	phy with sever sheeted veins1-5cm wide, qtz-cbt-chl
67.75	73.9	QZVN	200.0%	TVA	broken qtz TVA 0.2-0.5cm thick
67.75	73.9	QZVN	300.0%	SHTV	abndt sheeted vein sets in QPC
72.6	73	QZVN	400.0%	stwk	zone of heavily fractured veins in QPC with aspy and py along fracs as well as x-cutting lim fracs.
73.9	74.65	FZ	400.0%	CSZ	zone of brittle cataclastic deformation (crushed qtz vn) and cy lim alt flt gouge
75.15	88.83	QZVN	200.0%	SHTV	1 to 2 sets of sheeted vns throughout interval
75.15	88.83	QZVN	300.0%	TVA	more abndt tension veins than SHTV in this interval. White, relatively unalt
88.83	97.75	QZVN	200.0%	SHTV	2 sets of SHTV in QPC
97.75	99.87	QZVN	300.0%	SHTV	increase in number of SHTV arrays and frequency in cgr clast supported QPC
99.87	103	QZVN	200.0%	TVA	abndt tension vns in cgr sndst/fgr QPC
103	106.5	QZVN	400.0%	SHTV	high concentration of qtz vns SHTV and TVA, almost qtz flooded with abndt x-cutting fracs in QPC. Some of clasts are bx qtz vn
109.4	110	FZ	400.0%	CSZ	intense cataclastic brittle flt zone. QZVN and phyl clasts ripped and crushed and recemented in QZVN.
117	121.3	FZ	400.0%	CSZ	zone with thick white bull qz 1.1m and several wide cataclastic zones with crushed phyl/qtz, TVA, local gouge
126.28	127.3	FZ	300.0%	BFZ	fault zone with abndt gouge and fragmented phyllite clasts
131.05	131.55	FZ	400.0%	CSZ	abndt qtz vn with a small zone of cataclastic deformation of vn/phyl
143.45	144	FOLD	300.0%		very crenulated bedding forming jagged folds
148.25	149.35	FZ	400.0%	CSZ	continuous flt zone with cataclastic crushing of rock and breaking of qv
165	171.57	BRC	300.0%	bx	very broken up core, intensely brecciated QV with common fracs and micaceous vnlts x-cutting, open sheeted fractures common, especially from 168.20-169.56m
165	171.57	QZVN	200.0%	SHTV	Overall increase in QV, including FLT and TVA, 40% of section is QV
166.05	167.9	FZ	300.0%	gg	phyllite gouge within intensely brc QV, QV itself is very broken up and rubbly
171.8	175.27	QZVN	100.0%	TVA	Common TVA gashes within silicified QPC interval, all milky w and <1cm, multiple sets? Orientation is difficult to determine
175.4	176.7	BRC	250.0%	bx	Brecciated QV with localized phyllite gouge, abnt fracs and an overall increase in QV
175.4	176.7	QZVN	200.0%	SHTV	General increase of QV, ~30% of section
176.7	177.1	FZ	100.0%	gg	Phyllite fault gouge, abnt gph along foln planes
177.3	177.5	QZVN	300.0%	stwk	abndt x-cutting 1-2mm vnlets and SHTV in sndst
180.6	181.25	BRC	300.0%	bx	qzvn bx with 0.1-2cm angular qv clasts with fgr massive py or gy silica cement (frac infill)
181.25	185.12	QZVN	300.0%	stwk	abndt x-cutting SHTV/TVA/vnlets, white vuggy qtz hosting py in euhed py in vugs, x-cutting to form stkwk
185.12	186	FZ	300.0%	gg	crushed rock and gouging with minor phyllite at contact with sndst below
194.37	197.25	FZ	400.0%	gg	crushed rock/cy gouge zone in sndst/phyl including a gouged cataclasite zone

From	To	Mineral	Intensity	Distribution	Comments
197.25	198.08	QZVN	300.0%	stwk	abndt x-cutting vns/frac forming stockwork in phyl/sndst
198.08	199.65	BRC	300.0%	bx	QZVN bx with abndt asp>py along fracs. Angular qtz clasts 0.1-2cm size
199.65	201	QZVN	300.0%	stwk	abndt white x-cutting TVA/SHTV/vnlets in sndst unit forming stockwork. Increase in amnt diss py in this interval
208.56	212.35	QZVN	300.0%	stwk	interval consists of dominantly fractured white qtz vns. Multiple x-cutting vein arrays (TVA/SHTV/vnlets/flt fill). Probably 70% qtz in this interval
212.35	231.7	FZ	400.0%	CSZ	Large interval of phyllite with almost continuous cataclastic crushing of phyl/qtz vns with abundt x-cutting broken/fracd vnlets and graphite. Intermittent gouge. Entire phyllite interval deformed until lower contact with MT-CO
225.75	226.35	FZ	300.0%	gg	significant zone of gouged phyl/qtz vn within overal cataclastic zone
228.5	230.7	QZVN	400.0%	stwk	zone of intensely vned phyllite within broader cataclastic zone. Andt x-cutting wh vns/vnlets (flt fill/TVA?) containing py. Very thin (5cm) qtz vn bx with 0.3 cm qtz clast, mostly infilled with massive py at 229.6cm.
241.45	244.62	FZ	300.0%	BFZ	Very broken section of QPC with abndt fracs.
246.81	248.23	FZ	300.0%	BFZ	Broken section of QPC with a couple of small cy gouge zones
251.05	255.75	QZVN	300.0%	stwk	Increase in qtz vn intensity with abndt x-cutting vnlets/frac and flt vns
255.75	259.4	FZ	400.0%	CSZ	Interval with several 10cm cataclastic zones with irregualr broken/crushed white qtz vns and phyllite , increased pyrited and graphite concentrations in these zones.
261.41	263.16	QZVN	300.0%	stwk	Andt x-cutting wh qtz vns/vnlets/fracs in phyllite/sndst forming stockwork. Fracs contain py/asp.
263.9	270	FZ	300.0%	BFZ	very broken zone with abndt gouge zones and fractured/vned pieces of core. Increase in sulphide concentration in this zone. Some pieces look like qtz vn bx in gouge just above 270m
270.58	274.1	QZVN	300.0%	stwk	abndt x-cutting wh qtz vns/vnlets in QPC, mostly flt fill vns. Vns have fracs/vugs hosting py/asp
274.1	275.75	BRC	300.0%	bx	qtz vn bx with dark cy fracs and silica matrix. Abndt x-cuttin fracs host asp/py.
275.75	276.62	FZ	400.0%	gg	phyllite interval with abndt gouge and crushed phyllite/qtz.
276.62	278.12	QZVN	300.0%	stwk	interval dominantly flt fill qtz vn with abndt x-cutting fracs infilled with py/asp, increasing concentration of fracs/sulphides as get closer to lower phyllite contact
278.12	278.87	FZ	400.0%	CSZ	intensely deformed/crushed/fracd zone in phyllite with abndt x-cutting qtz vnlets and angular qtz/phyllite fragments in CSZ qtz vn zones.
278.87	279.25	QZVN	300.0%	flt	38cm flt fill qtz vn with abndt x-cuting fracs hosting asp/py. Also large vugs hosting mgr euhed py/asp. More intense ank alt in the flt fill vn (lrg biege blebs of ank).
280.12	282.55	FZ	400.0%	CSZ	intense irregular veining and deformation of phyllite with andt graphite long foliation. Qtz vns and phyllite crushed into small angular clasts in vned areas. Irregular wavy deformed foliation/bedding.
282.55	285	QZVN	200.0%	SHTV	abundant sheeted vns throughout QPC interval

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
0	67.2		py	0.001	vn
26.6	30	grahpite along fol in phy in shear zone	gf	0.001	fol
33.85	67.2	trace diss py throughout remainder of phy	py	0.001	diss
36	67.2	trace py along fracs in phy	py	0.001	frac
57.9	60	tr aspy in sheeted vn array as well as py	asp	0.001	vn
64.5	67.2	gf along penetrative fol in phy	gf	0.05	fol
67.2	109.2	fgr diss euhed py throughout sndst and QPC beds	py	0.001	diss
69.6	70.1	increase in py concentration along vugs/fracs in thick vn	py	0.01	vug
71.25	71.36	py vn steeply cross-cutting QPC	py	0.05	vn
72.6	73	aspy coating fracs in qzvn.bx	asp	0.05	frac
72.6	73	py occuring with asp in fracs of qzvn.bx	py	0.01	frac
85.55	87	up to 0.5cm blebs of po (magnetic, bronze colour) in QV within vns, some occuring with py	po	0.001	vn
88.83	109.2	trace fgr py blebs in qtz vns within QPC	py	0.001	vn
88.83	109.2	trace fgr anhed py along microfracs/blk cy seams/stringers	py	0.001	frac
93.56	96	trace fgr euhed asp diss in ser alt QPC	asp	0.001	diss
109.2	151.12	py diss throughout phyl interval	py	0.01	diss
109.2	151.12	Graphite throughout phyllite interval along foliation planes, higher concentrations in more intensely deformed catalclastic deformation zones.	gf	0.01	fol
109.2	151.12	py fill and coating vugs in SHTV and cataclastic vns	py	0.005	vug
109.2	151.12	selective py ppt in slst beds in phyl	py	0.01	S0
109.2	151.12	abndt py replacing almost entire qtz stringer/SHTV/qv fragments/cataclastic vns	py	0.01	vn
151.12	177.1	diss thoughout QPC, MT-SS and MT-PHY	py	0.01	diss
151.12	177.1	Occupies small vugs, especially within Qv. From 154.17-154.38m, 5~% py locally.	py	0.01	vug
151.12	177.1	Occupies small vnlets within MT-SS and MT-PHY	py	0.005	vn
151.12	177.1	Occupies tiny fractures in MT-SS and MT-CO	py	0.005	frac
154.17	154.38	diss aspy within open vig in QZVN, existing with py	asp	0.001	vug
154.42	161.85	small aspy vnlets, <1mm, and sometimes diss (vfgr, hard to distinguish), within MT-SS and MT-CO	asp	0.001	vn
177.1	180.8	trace diss fgr euhed py throughout sndst interval	py	0.005	diss
177.1	180.8	trace fgr blebs of py at vn margins of thicker SHTV and in vn fracs	py	0.005	vn
180.6	181.25	py infilling fracs b/w bx clasts (py cement)	py	0.1	frac
180.8	185.47	trace diss euhed asp in QPC matrix	asp	0.005	diss
180.8	185.47	fgr 1mm blebs of py diss, or could be fract controlled, difficult to tell	py	0.01	diss
180.8	185.47	cgr euhed py hosted in wh SHTV vugs	py	0.01	vug
185.47	190.7	trace diss fgr euhed py in sndst layers	py	0.001	diss
185.47	190.7	deformed cataclastic qtz vns in phy interbed host py	py	0.005	vn
190.7	194.37	x-cutting microfracs hosting fgr euhed py, more common in sndst beds	py	0.005	frac
190.7	194.37	fgr anhed py occuring in slst interbed of phyllite sections	py	0.005	S0
190.7	194.37	trace euhed to anhed fgr asp along fracs in sndst interbeds	asp	0.005	frac
190.7	194.37	trace diss euhed asp in sndst interbeds	asp	0.001	diss
190.7	194.37	cgr euhed py in vns x-cutting sndst and phyl interbeds	py	0.01	vn

From:	To:	Comments	Mineral	Percent	Distribution
190.7	194.37	cgr euhed py diss in sndst, fgr in phyl	py	0.01	diss
190.7	194.2	graphite along foliation in phyllite interbed	gf	0.01	fol
190.7	194.37	trace cgr py blebs hosted in vns throughout phyllite/sndst interbeds	asp	0.001	vn
194.37	198.08	asp increase in concentration of vns throughout fault zone	asp	0.01	vn
194.37	198.08	increase in fgr euhed py hosted in abndst x-cutting fracd vns in flt zone	py	0.02	vn
194.37	198.08	asp more abundt, cgr euhed, along fracs x-cutting gouge/frac zone	asp	0.01	frac
194.37	198.08	increase in fgr euhed py diss in heavily fractured/gouged zone	py	0.02	diss
197.25	197.4	graphite along foliation in phyllite interbed	gf	0.01	fol
198.08	199.65	py hosted in fracs x-cutting qz clasts and matrix of bx zone, fgr euhed blebs	py	0.02	frac
198.08	199.65	abndt py in drk gy cy-rich qz vn bx matrix/cement, fgr euhed	py	0.01	diss
198.08	199.65	high concentration of fgr asp long fracs x-cutting bx as well as in mx matrix/cement	asp	0.03	frac
198.08	199.65	mgr euhed asp diss in sndst/qtz vn bx clasts	asp	0.005	diss
199.65	201	trace brn sph (1 bleb found) with py bleb in 1cm SHTV within sandstone interbed	sph	0.001	vn
199.65	201	cgr euhed py diss in sndst interbed	py	0.01	diss
199.65	201	fgr euhed py blebs in TVA	py	0.005	vn
199.65	201	cgr euhed blebs of asp in zones where several x-cutting TVA, esp at lower contact with phy interbed at 201m	asp	0.001	vn
201	203.39	trace mgr euhed py along x-cutting vnlets and SHTV (lrge bleb of brassy py) in phylite interbed	py	0.0025	vn
201	203.39	trace fgr anhed py selectively occurring in silst interbed within pyllite dom layer	py	0.001	S0
203.39	208.5	mgr euhed py diss in sndt/phyllite layers	py	0.01	diss
203.39	208.5	mgr euhed py along ank and qtz vnlets a well as thicker deformed QV\	py	0.01	vn
203.39	208.5	minor py along some thinner sndst interbeds in phyllite dom layers	py	0.001	S0
203.39	208.5	trace fgr euhed diss asp in sndst interbeds	asp	0.001	diss
204.05	208.46	graphite along foliation in phyllite interbed	gf	0.01	fol
208.5	209.71	cgr euhed py in abndt x-cutting qtz vning	py	0.01	vn
208.5	209.71	diss fgr euhed py in bleb of sndst county rock within heavily vned section	py	0.01	diss
208.5	209.71	cgr euhed py concentrated on selvedges of flt fill qtz vns with asp	py	0.01	slvg
208.5	209.71	asp diss in blebs of cgr sndst (almost QPC) host rock within heavily vned interval	asp	0.01	diss
208.5	209.71	cgr asp concentrated at wh flt fill qtz vn vn selvedges	asp	0.01	slvg
208.5	209.71	abndt fracs coated with fgr asp x-cutting falt fill qtz vns	asp	0.03	frac
209.71	212.35	cgr euhed asp in wh flt fill vns x-cutting sndst layers	asp	0.01	vn
209.71	212.35	cgr aspy at irregular margins of white flt fill vns	asp	0.005	slvg
209.71	212.35	trace fgr diss euhed asp in sndst rich intervals	asp	0.005	diss
209.71	212.35	x-cutting microfracs in snds/qtz intervals coated with fgr anhed asp	asp	0.005	frac
209.71	212.35	fgr, euhed py diss in sndst	py	0.02	diss
209.71	212.35	cgr, euhed py in white qtz vn fracs/vugs	py	0.001	vn
212.35	216.6	cgr euhed blebs of py within cataclastic qtz-ank vns and vn fragments within phy as well as x-cutting qtz vnlets	py	0.01	vn
212.35	216.6	trace diss py along thin slts interbeds in phyllite	py	0.001	diss
212.35	216.6	thick cgr blebs of mass asp within catclastic qtz-ank vns in phyl/sndst	asp	0.02	vn
212.35	213.5	graphite along foliation in phyllite interbed	gf	0.01	fol

From:	To:	Comments	Mineral	Percent	Distribution
215.15	231.75	graphite along pervasive fol in phyllite	gf	0.01	fol
216.6	228.5	trace fgr euhed py along microfracs x-cutting phy	py	0.001	frac
216.6	228.5	trace fgr anhed py diss in crser interbeds within pyllite (sltst)	py	0.005	diss
216.6	228.5	fgr euhed py along abndt fracd/broken vns/vnlets in cataclastic phyllit unit	py	0.01	vn
228.5	230.7	increase in concentration of fgr euhed blebs of py in interval with even more abndt broken/deformed white qtz vns forming stkwk	py	0.02	vn
228.5	230.7	abndt x- cutting fracs coated with fgr euhed py in more intensely vned section of CSZ phylllite	py	0.01	frac
228.5	230.7	anhed, fgr py diss in 1mm slst interbeds within py	py	0.001	diss
230.7	231.75	fgr euhed py hosted in qtz vn fragments	py	0.01	vn
230.7	231.75	trace fgr anhed py preferentially hosted in 1mm slst interbeds	py	0.005	diss
231.75	238.1	fgr euhed py diss in QPC	py	0.01	diss
231.75	238.1	trace fgr euhed py along x-cutting fracs in QPC	py	0.001	frac
231.75	238.1	trace blebs of fgr anhed py hosted in white flt fill/vnlet/ SHTV	py	0.001	vn
238.1	238.93	trace cgr euhed py diss in in slst interbeds within phyllite layer	py	0.001	diss
238.1	238.93	trace fgr bleb of py in vnlets within phyllite interbed	py	0.005	vn
238.1	238.93	graphite along fol in phyllite interbed	gf	0.00005	fol
238.93	251.05	trace blebs of cgr ehed py hosted in white flt vns and vnlets x-cutting QPC, locally in vn vuugs	py	0.001	vn
238.93	251.05	trace fgr euhed py diss in QPC	py	0.001	diss
251.05	255.75	trace fgr 0.1-0.3cm blebs of anhed to subhed gn in x-cutting wh QV w/ sph and py	gn	0.001	vn
251.05	255.75	fgr anhed asp diss along microfracs x-cutting QPC with py	asp	0.01	frac
251.05	255.75	fgr anhed to euhed py along microfracs x-cutting QPC	py	0.01	frac
251.05	255.75	trace fgr 0.2-0.4cm blebs of brn, earthy lustr sph in x-cutting wh QV w/ gn and py	sph	0.001	vn
251.05	255.75	fgr euhed py diss in QPC	py	0.01	diss
251.05	255.75	fgr blebs of anhed to subhed py in x-cutting qtz vns	py	0.01	vn
255.75	259.4	trace anhed blebs of pyrrhotite occuring with py in white cataclastic qtz vns in phyllite/ slightly magnetic	po	0.005	vn
255.75	270.56	graphite coating pervasive foliation in phyllite interval	gf	0.01	fol
255.75	259.4	vfgr anhed py diss throughout silst beds in phyllite	py	0.02	diss
255.75	259.4	fgr anhed to subhed py in blebs within vnlets/cataclastic vns	py	0.01	vn
259.4	263.9	fgr euhed py diss in phyllite, more concentrated in slst interbeds	py	0.01	diss
259.4	263.9	fgr-mgr euhedral py in x-cutting white qtz vnlets	py	0.005	vn
263.9	265.2	fgr anhed to euhed py along x-cutting fracs in sndst	py	0.005	frac
263.9	265.2	trace fgr euhed py diss in sndst	py	0.001	diss
263.9	265.2	trace fgr anhed aspy along x-cutting microfracs in sndst	asp	0.001	frac
265.2	270	mgr euhed py blebs in cataclastic qtz-ank vns	py	0.01	vn
265.2	270	cgr euhed py as lrg blebs and individual xtals in wh catlastically deformed qtz vns in phyllite	asp	0.015	vn
270.58	274.1	cgr euhed to fgr anhed py along x-cutting microfracs in QPC/qtz ns	asp	0.01	frac
270.58	274.1	fgr anhed asp along wh qtz vn margins, forming 0.1-0.2cm thick seam	asp	0.005	slvg
270.58	274.1	fgr anhed py occuring as blebs along x-cutting microfracs	py	0.01	frac
270.58	274.1	fgr euhed py in vn vugs	py	0.01	vug
270.58	274.1	anhed to subhed bright gy metallic gn as blebs in vns where intersection of microfracs	gn	0.001	vn

From:	To:	Comments	Mineral	Percent	Distribution
274.1	279.25	cgr euhed blebs to fgr anhed coating along x-cutting fracs/matrix of qv bx with pyrite	asp	0.03	frac
274.1	279.25	fgr anhed py coating along abndt x-cutting fracs/matrix of qtz vn bx as well as blebs along fracs	py	0.03	frac
276.62	279.25	abndt pyrite as anhed to sub blebs or single crystals along cataclastically deformed flt vns and vnlets.	py	0.02	vn
276.62	279.25	euhed fgr py grns in vugs of larger deformed wh qtz vnx	py	0.005	vug
276.62	279.25	trace fgr anhed to euhed py diss in phyllite, more commonly in slst interbeds	py	0.001	diss
276.62	279.25	trace fgr euhed aspy in cataclastically deformed qv hosted by phyllite	asp	0.001	vn
276.62	282.55	graphite along pervasive fol in phyllite giving fol a metallic lustre and greasy feel	gf	0.01	fol
279.25	282.55	fgr euhed py grns coating white qtz vn vugs	py	0.001	vug
279.25	285	trace sph in fgr anhed blebs within qtz vns with py	sph	0.001	vn
279.25	285	fgr subhedral asp along x-cutting microfracs in QPC	asp	0.001	frac
279.25	285	fgr euhed py crystals along x-cutting microfracs in QPC	py	0.001	frac
279.25	285	fgr euhed py as small blebs in SHTV/flt fill vns x-cutting QPC	py	0.001	vn
279.25	282.55	fgr euhed py as blebs in whit deformed cataclastic flt fill vns in phyllite\	py	0.001	vn
279.25	282.55	fgr euhed py diss throughout phy, tends to be concentrated in thin slst beds	py	0.01	diss

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
6.45	Veins	38		qtz	Veinlets	17			white crenulated qtz vnlets x-cutting phy S0
7.25	Bedding	46	So			45			slst interbeds in phy, locally lim alt
16.1	Bedding	46	So			33			slst interbeds
18.35	Axial Plane	8	F1			50			axial plane of gently plunging folds (detrmined from generally north trending fol)
20.85	Bedding	46	So			20			1mm interbeds steepening
22.25	Veins	38		qtz	FLT	42			6cm, wh frac flt fill vn
22.5	Veins	38		LIM	AV	30			1mm antiaxial, lim alt fracs in flt fill vn
23.15	Veins	38		qtz	SHTV	40			1cm, wh, vuggy (1mm) SHTV widely spaced? (1m?)
23.35	Veins	38		qtz	FLT	50			5cm flt fill white vn with rsty vugs 0.1-1cm diameter
24.2	Veins	38		LIM	SHTV	50			0.4cm wh QV with lim micro vugs and fracs
24.2	Bedding	46	So			45			lim alt slst interbeds in phy
24.2	Cleavage	4	S1			27			penetrative fol in phy
31.56	Bedding	46	So			47			1mm siltstone laminations
31.56	Veins	38		qtz	SHTV	56			
32.5	Faults	38		cy		50			thin fault zone with cy alt gouge infill
35.07	Veins	38		qtz	SHTV	75			3mm with L1 along coating, yellow clay within few open vugs
36.2	Veins	38		qtz	FLT	38			12cm fractured vn with qtz infill and abnt vnlts within lined with LIM, rare vugs, chl 1 alt
37.93	Bedding	46	So			31			small and thin 1mm siltstone lamination within phyllite
42.37	Bedding	46	So			53			siltstone interbeds
43.28	Veins	38		qtz	SHTV	50			1.3cm, common <1mm vugs present, L1 alt, Chl 1 alt vnlets running along sae orientation as vns
43.95	Veins	38		qtz	SHTV	46			1 cm, common vugs (1-5mm), L1, chl1

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
45.42	Bedding	46	So			52			siltstone interbeds
51.2	Bedding	46	So			68			silstone interbeds
53.55	Axial Plane	8	F1			52			general fold, chl2 alt present
53.59	Veins	38		qtz	AXP	47			parallel set all <0.5cm, L1, goes through hinge of a fold
54.35	Bedding	46	So			53			siltstone interbeds
57.09	Bedding	46	So			46			siltstone interbeds
59.22	Veins	38		qtz	SHTV	44			1mm-2.5cm, parallel with L1 alt, few cbnt patches, common fractures, minor chl
59.63	Veins	38		qtz	FOL	36			8cm, minor cbnt, L2, chl2, vuggy, parallel fracrures within fault infilled vn
62.09	Contact					46			upper contact between phyllite and chloritized sdnst
62.9	Veins	38		qtz	FLT	30			clean w qtz infill, L1
63.82	Bedding	46	So			45			sltst interbeds
65.18	Axial Plane	8				49			general fold within phyllite
65.22	Veins	38		qtz	AXP	48			parallel vn set, cutting hinge of small general folds within phyllite
65.51	Veins	38		qtz	SHTV	59			<1mm-5mm, parallel, at steeper angle to CA than bedding
65.52	Bedding	46	So			46			siltstone interbeds
66	Veins	38		qtz	FLT	19			clean-milky w qtz, ~10cm wide, minor L1 and chl1
67.58	Contact					40			Lower contact between chloritized sndst and phyllite
68.35	Veins	38		qtz	SHTV	38			parallel vn set, 0.5-7cm wide, milky w qtz ifill
69.17	Veins	38		qtz	SHTV	51			parallel vn set, 0.5-1cm wide, clean w qtz infill
75.26	Veins	38	38	mica	Veinlets	70			v.f.g., dk gy-blk micaceous vnlets, 1mm, locally clay rich, defines mod-str foln
75.26	Foliation	83	S1		FOL	70			defined by vnlets
76.02	Bedding	46	S0			54			slst interbeds
76.59	Foliation	83	S1		FOL	52			defined by vnlts
76.59	Veins	38			Veinlets	52			In QPC, dk gy/ clay rich <1mm parallel set, defines foln
79.32	Veins	38		qtz	SHTV	64			milky w qtz veins within green sericite-rich MT-SS
79.59	Foliation	83	S1		FOL	58			defined by vnlets
79.59	Veins	38			Veinlets	58			mica+clay+qtz+/-py ~0.5mm, parallel set but defines foln
79.59	Veins	38		qtz	TVA	49			thin <1cm milky w qtz, pinch out near ends, max 2.5cm long
81.62	Veins	38			Veinlets	50			mica+qtz+py vnlets, parallel, <1mm, defined mod-str foln locally
81.62	Foliation	83	S1		FOL	50			defined by vnlets
82.58	Veins	38		qtz	TVA	42			abnt small <1cm milky w tesions gashes that pinch out, angle caries locally
88.35	Veins	38		qtz	TVA	7			common, milky w, pinch out near ends, wavy boundaries
88.89	Contact					37			sharp contact between MT-SS and QPC
91.98	Veins	38			Veinlets	35			In QPC, mica+qtz+py+/- clay cnlts, <1mm, parallel, defines mod foln
91.98	Foliation	83	S1		FOL	35			defined by vnlts
93.03	Veins	38			Veinlets	54			In QPC, mica+qtz+py+/- clay cnlts, <1mm, parallel, defines mod foln
93.03	Foliation	83	S1		FOL	54			defined by vnlts
96.06	Foliation	83	S1		FOL	55			defined by vnlts
96.06	Veins	38			Veinlets	55			In QPC, mica+qtz+py+/- clay cnlts, <1mm, parallel, defines mod foln

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
97.02	Veins	38		qtz	SHTV	51			rare vugs, milky w
97.08	Foliation	83	S1		FOL	40			In QPC, weak, defined by mica
98.47	Veins	38		qtz	FLT	51			milky w-opaque fault fill vein, vuggy (up to 1cm wide) and lined with lim, 10cm wide
98.47	Fractures			qtz		57			small fracs within fault infilled qtz vn, intersects side of vein at 70 degrees
100.23	Veins	38		cy	Veinlets	51			small clay vnlets running through MT-SS unit, defines wk-mod foln
100.37	Veins	38		qtz	TVA	43			<0.5cm, tension gashes
100.78	Veins	38		qtz	SHTV	51			~3mm average, parallel vn set, within MT-SS
100.78	Veins	38		qtz	FLT	10			crosscuts SHTV at shallow angle, ~1cm, wavy contact boundaries
101.35	Veins	38		cy	Veinlets	49			abnt, <1mm, defines wk-mod foln, some micaceous
102.04	Veins	38		qtz	FLT	31			2cm, milky w qtz infill, in MT-SS, mica+py rim vein
102.73	Foliation	83	S1		FOL	46			highly deformed, ~5cm section with foln defined by mica-rich stringers/ vnlets
102.75	Veins	38		qtz	SHTV	61			wavy boundary in contact with deformed section, few phyllite+/- py clasts within qtz vn, trace py
103.57	Veins	38		qtz	FLT	40			within QPC, 6.5cm wide, few vugs infilled with cbnt, trace py patches
104.34	Foliation	83	S1		FOL	53			<1mm clay+mica vnlets defining wk foln, few slightly elongate qtz clasts help define this as well
105.34	Veins	38		cy	Veinlets	48			<1mm, rims qtz clasts in QPC, and defines wk foln
109.18	Contact					32			Bottom, sharp contact between QPC and phyllite
109.35	Bedding	46	So			33			sltst and pyrr interbeds
110.03	Bedding	46	So			32	0		slst interbeds
110.63	Veins	38		qtz	SHTV	50			phyllite frags within and cbnt vnlets locally, sharp boundaries with phyllite
113.24	Bedding	46	So			46			siltstone interbeds
116.3	Bedding	46	So			46			siltstone interbeds
118.68	Veins	38		qtz	FLT	54			Large, 1.20m long, few ankerite filled fracs, in sharp contact with phyllite, minor chl alt around boundaries
123.93	Bedding	46	So			48			siltstone interbeds
123.95	Foliation	83	S1		FOL	42			foln is strong but because of gr nature of phyllite, its difficult to spot in core
126.13	Veins	38			FLT	55			~1cm with few ankerite filled fracs and patches
127.41	Bedding	46	So			36			siltstone interbeds
129.8	Bedding	46	So			30			siltstone interbeds
130.82	Bedding	46	So			65			siltstone interbeds
131.9	Foliation	83	S1		FOL	60			strong foln in vfgr phyllite
133.69	Veins	38		qtz	SHTV	44			cloudy qtz infill with rare chl alt around edges and common ankerite patches/ frac infill. Wavy boundaries with phyllite
135.39	Bedding	46	So			45			siltstone interbeds
135.41	Foliation	83	S1		FOL	33			strong foln of phyllite
136.28	Fractures	81		qtz		50			Thin, <1mm microfracs, parallel set within phyllite, qtz infill is milky w
139.65	Bedding	46	So			39			siltstone interbeds
141.22	Faults	38			Gouge	50			1cm gouge zone within phyllite, contact is sharp and breaks approximately on bedding plane
142.12	Bedding	46	So			43			silstone interbeds
143.58	Axial Plane				AXP	49			small scale folding in phyllite with small <1mm vnlets running through axial plane of the hunge of the folds

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
144.9	Bedding	46	So			30			siltstone interbeds
144.91	Foliation	83	S1		FOL	51			str foln in phyllite, defined by mica
150.11	Veins	38		qtz		42			parallel vn set up to 0.5cm wide, cloudy gy-w qtz with trace ankerite and chl wihtin
150.83	Bedding	46	So			52			siltstone interbeds
153.21	Foliation	83	S1		FOL	54			mod foln in QPC defined by micaceous stringers/ vnlets
154.94	Veins	38		qtz	TVA	79			milky w tension gashes that are coming off a wavy flt fill vn (difficult to measure orientation), pinch out at the ends, 0.5cm wide max
156.05	Bedding	46	So			42			siltstone interbeds
159.9	Veins	38		bt	Veinlets	32			micaceous+/- clay vnlets that define wavy foln
159.9	Foliation	83	S1			32			defined by vnlets
163.86	Veins	38		qtz	SHTV	60			Few QV within silicified QPC, <1cm wide, milky w infill
168.4	Fractures	81			Open	35			Sheeted fractures within brecciated QV zone
173.67	Veins	38		qtz	SHTV	45			~1cm sheeted vn array within silicified QPC, fairly consistent
174.37	Foliation	83			FOL	61			micro vnlets defining wk foliation
175.7	Veins	38			Veinlets	39			micaceous+clay+py vnlets xcutting brc qtz vn, parallel vn set--laminated vns?
177.1	Contact					50			sharp contact between MT-PHY and MT-SS
178.1	Veins	38		qtz	SHTV	30			0.1-0.2cm thick, 18cm spacing, vuggy
178.46	Veins	38		qtz	SHTV	45			1.5-2.0cm thick, 5 cm spacing, vugggy
178.79	Bedding	46	So			35			thin MT-PHY interbed within MT-SS
180.42	Contact				Gouge	50			gouge contact
181.5	Veins	38		qtz	SHTV	25			4cm thick, micro fractures, py mineralization along borders of vein
183.8	Veins	38		qtz	SHTV	35			2.5-3cm thick, micro fractures
183.93	Veins	38		qtz	SHTV	50			4cm thick, micro fractures, vuggy, py mineralization within vein itself
185.65	Veins	38		qtz	SHTV	80			0.5-1.5cm thick, vuggy, 1-3cm spacing
186.13	Bedding	46				60			thin MT-PHY interbed within MT-SS unit
188.04	Veins	38		qtz	Veinlets	40			0.1cm thick, 5 cm spacing
188.23	Bedding	46				40			thin MT-PHY interbed within MT-SS unit
189.3	Veins	38		qtz	SHTV	30			0.5cm thick, micro fracturing throughout vein
190.7	Contact					20			sharp contact between MT-SS and MT-PHY
192.78	Bedding	46				55			thin mt-ss interbed within mt-phy unit
197.77	Faults	38		silica/py		10			polished clean fault contact showing evidence of slicket lines
200.7	Veins	38		qtz	Veinlets	10			0.1cm thick
200.76	Veins	38		qtz	SHTV	30			1-2cm thick, 4cm spacing, micro fractures
200.87	Veins	38		qtz	Veinlets	50			0.1mm thick
202.77	Veins	38		qtz	TVA	5			0.5-1.5cm thick, py mineralization, microfractures
203.08	Bedding	46				30			Silt stone interbed, think (1mm), variable spacing
205.08	Bedding	46				30			mt-phy/mt-ss interbedding
205.9	Bedding	46		py		40			preferentially hosted by py
205.97	Faults	38				20			minor fault within mt-phy
206.43	Fractures	81				8			clean fracture

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
208.57	Veins	38		qtz/py	FltVn	40			
219.23	Veins	38		qtz/cy	SHTV	70			15-20mm thick, vuggy
219.4	Veins	38		qtz/py	FltVn	35			3mm thick, irregular, py on boarders of vein, vuggy
220.52	Veins	38		qtz	SHTV	60			5-10mm thick, vuggy, micro fractures, py mineralization
233.76	Veins	38		qtz	SHTV	60			2-4mm thick, vuggy, micro fractures, py mineralization
236.5	Veins	38		qtz	SHTV	15			0.5-1cm thick wh sheeted qtz vn spaced 1-10cm apart
237	Faults	38		cy		10			wh cy coated fracture offsetting a white flt fill vn, py mineralization in offset vn where it is in contact with flt frac
240.05	Bedding	46				60			slitstone interbed within mt-phy
245.14	Fractures	81		qtz/cy		12			clean fracture, clay and anchrorite filling fracture
245.44	Veins	38		qtz	Veinlets	75			1mm thick, 10-20mm spacing, grey in colour
248.73	Veins	38		qtz	FltVn	12			3-6mm thick, white, partially vuggy, partially micro fractured
255.08	Veins	38		qtz	FltVN	12			8-10mm thick, partially vuggy with clay and anchrorite infilling, py mineralization along border, micro fracturing
255.11	Fractures	81		cy/py		60			fracture infilled with clay and anchrorite
255.55	Veins	38			SHTV	25			1.5-2.5cm thick, brecciated along borders of vein, vuggy, py mineralization, irregular
257.47	Bedding	46				20			slightly folded, think slitstone interbed
257.67	Foliation	83				30			close to perpendicular with bedding thus close to hinge
259.7	Bedding	46				55			thing mt-ss interbed, 0.4cm thick
260.1	Bedding	46							mt-ss interbedding ranging from 1mm-40mm thickness
262.68	Fractures	81			FltFrac	40			clean fracture, continous throughout core, shows evidence of displacement
262.74	Bedding	46				50			mt-ss/mt-phy interbedding
263.9	Veins	38		gg	FltVn	25			sharlp fault with gouge infill
267.15	Bedding	46				35			slightly folded
267.45	Veins	38		qtz/cy		50			irregular, brittle, 6cm thick, contains cy and mt-phy clasts, micro fractured, py mineralization
271.9	Fractures	81		qtz		70			clean, continuous throughout
272.4	Veins	38		qtz	FltVn	5			vuggy, py/asp mineralization
273.33	Veins	38		qtz	SHTV	35			0.5cm thick, partially vuggy
274.17	Contact			gg		50			brittle contact, irregular, py mineralization
276.82	Fractures	81		py/asp		70			irregular, prefferentially filled with py/asp
277.18	Veins	38		py/asp	FltVn	35			greyish, lots of asp/py, vuggy, irregular 1-2.5cm thick containing microfractures
277.36	Fractures	81		qtz/py/asp		50			irregular, up to 0.5mm thick, prefferentially filled with qtz/py/asp
277.77	Veins	38		qtz/cy/ank	SHTV	55			0.5cm thick, brittle, very vuggy, tr py/asp, cy/ank infill
278.13	Contact					30			brittle/irregular contact between mt-ss and mt-phy. Increase in sulphides leading up to contact in both lithologies
279.69	Bedding	46				40			IBSP
281.15	Bedding	46				60			IBSP
281.45	Bedding	46				45			IBSP
281.5	Foliation	83				20			close to parrallel with bedding therfore steep part of limb
282.76	Veins	38		qtz/cy/ank	Veinlets	60			0.1cm thick, vuggy, cy/ank infill

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
283.11	Veins	38		qtz/cy/ank	Veinlets	15			
283.27	Veins	38							2.4-3cm thick, vuggy, tr asp/py, cy/ank infill, micro fractured
283.53	Veins	38		qtz/py/asp	veinlets fabric	50			grey, fabric extends over 30cm of core
284.26	Veins	38		qtz/py/asp	veinlets fabric	70			grey, fabric extends over 17cm of core
284.66	Veins	38		qtz	SHTV	20			0.5-1.0cm thick, 1.5-5cm spacing, microfractures
284.95	Veins	38		qtz	SHTV	30			5cm thick, micro fractured

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33101	6	9	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	8.400	0.360	0.003	60.200	0.490
33102	9	12	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	11.700	0.370	0.003	64.500	0.630
33103	12	15	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	7.700	0.330	0.002	48.000	0.380
33104	15	18	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	8.900	0.380	0.003	59.800	0.410
33105	18	21	2012	Expl Geochem	H-split	MT-Phy.fol	0.014	8.400	0.380	0.001	55.300	0.320
33106	21	24	2012	Expl Geochem	H-split	MT-Phy.fol	0.012	8.800	0.330	0.003	46.700	0.300
33107	24	27	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	12.200	0.280	0.002	54.700	0.250
33108	27	30	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	7.800	0.300	0.003	59.000	0.410
33109	30	33	2012	Expl Geochem	H-split	MT-Phy.fol	0.007	8.900	0.230	0.002	55.500	0.410
33110	33	36	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	13.700	0.290	0.004	55.700	0.350
33111	36	39	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	16.300	0.310	0.003	56.800	0.380
33112	39	42	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	18.100	0.290	0.003	58.300	0.230
33113	42	45	2012	Expl Geochem	H-split	MT-Phy.gg	0.003	12.100	0.390	0.003	63.100	0.390
33114	45	48	2012	Expl Geochem	H-split	MT-Phy.gg	0.005	8.200	0.370	0.003	57.500	0.400
33115	48	51	2012	Expl Geochem	H-split	MT-Phy.gg	0.003	9.100	0.310	0.003	59.100	0.430
33116	51	54	2012	Expl Geochem	H-split	MT-Phy.gg	0.003	8.500	0.320	0.003	58.200	0.420
33117	54	57	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	9.200	0.690	0.004	56.300	0.360
33118	57	60	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	8.100	0.310	0.003	51.700	0.370
33119	60	62	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	10.300	0.290	0.006	66.800	0.310
33120	62	64	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	11.300	0.270	0.004	60.700	0.440
33121	64	66	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	18.100	0.360	0.004	98.700	0.640
33122	66	67.2	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	28.100	0.430	0.002	65.300	0.900
33123	67.2	69	2012	Expl Geochem	H-split	MT-SS.mgr	0.078	88.100	0.190	0.001	21.300	0.460
33124	69	71	2012	Expl Geochem	H-split	MT-CO.pbl	0.023	218.300	1.130	0.019	20.200	0.460
33125	71	72.5	2012	Expl Geochem	H-split	MT-CO.pbl	0.064	2167.200	2.260	0.032	25.200	0.380
33126	72.5	73.5	2012	Expl Geochem	H-split	QZVN.bx	0.024	3737.700	0.250	0.002	10.200	0.350
33127	73.5	75	2012	Expl Geochem	H-split	MT-CO.sil	0.013	73.000	0.230	0.001	35.800	0.480

Project: NTR3A **Prospect:** Main Zone **Hole ID:** 3A-12-036 **Grant No.:** YC72728

Plunge: 60 **Azimuth:** 270 **EOH:** 285

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33128	75	77	2012	Expl Geochem	H-split	MT-SS.cgr	0.003	25.800	0.160	0.002	35.500	0.420
33129	77	79	2012	Expl Geochem	H-split	MT-CO.pbl	0.021	20.100	0.100	0.001	9.900	0.350
33130	79	81	2012	Expl Geochem	H-split	MT-SS.mgr	0.003	7.400	0.090	0.001	18.400	0.430
33131	81	83	2012	Expl Geochem	H-split	MT-SS.cgr	0.008	10.100	0.120	0.001	22.800	0.310
33132	83	85	2012	Expl Geochem	H-split	MT-SS.cgr	0.012	21.900	0.250	0.001	15.700	0.310
33133	85	87	2012	Expl Geochem	H-split	MT-SS.cgr	0.269	14.500	0.120	0.001	15.800	0.340
33134	87	88.83	2012	Expl Geochem	H-split	MT-SS.cgr	0.003	12.100	0.120	0.001	14.000	0.470
33135	88.83	91	2012	Expl Geochem	H-split	MT-CO.pbl	0.047	133.400	0.360	0.001	14.200	0.570
33136	91	93	2012	Expl Geochem	H-split	MT-CO.pbl	0.097	99.100	0.250	0.002	14.400	0.460
33138	91	93	2012	DUP	Q-Split	MT-CO.pbl	0.024	96.000	0.320	0.004	17.400	0.390
33137	91	93	2012	STND	CDN-GS-8B	MT-CO.pbl	7.636	968.000	0.710	0.001	37.300	11.060
33139	93	95	2012	Expl Geochem	H-split	MT-CO.ser	0.213	70.800	0.170	0.003	13.700	0.510
33140	95	97	2012	Expl Geochem	H-split	MT-CO.pbl	0.009	36.000	0.190	0.002	13.800	0.450
33141	97	99	2012	Expl Geochem	H-split	MT-CO.pbl	0.355	216.100	0.290	0.007	18.400	0.750
33142	99	101	2012	Expl Geochem	H-split	MT-CO.pbl	0.140	49.300	0.120	0.001	13.400	0.540
33143	101	103	2012	Expl Geochem	H-split	MT-CO.sil	0.657	184.600	0.200	0.002	13.300	0.520
33144	103	105	2012	Expl Geochem	H-split	MT-CO.ser	0.088	99.000	0.010	0.002	15.400	0.580
33145	105	107.2	2012	Expl Geochem	H-split	MT-CO.pbl	0.025	208.800	0.005	0.002	13.300	0.480
33146	107.2	109.2	2012	Expl Geochem	H-split	MT-CO.ser	0.003	13.300	0.005	0.001	23.900	0.560
33147	109.2	111	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.013	36.700	0.005	0.003	46.600	0.690
33148	111	113	2012	Expl Geochem	H-split	MT-Phy.fol	0.007	48.500	0.160	0.006	60.500	1.290
33149	113	115	2012	Expl Geochem	H-split	MT-Phy.fol	0.013	36.000	0.005	0.004	53.100	0.850
33150	115	117	2012	Expl Geochem	H-split	MT-SLT.fgr	0.038	26.000	0.005	0.002	41.500	0.590
33151	117	119	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.014	11.900	0.005	0.007	28.100	0.700
33152	119	121.35	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.023	24.100	0.005	0.002	48.900	0.760
33153	121.35	123	2012	Expl Geochem	H-split	MT-Phy.fol	0.030	36.100	0.005	0.003	55.700	0.780
33154	123	125	2012	Expl Geochem	H-split	MT-Phy.fol	0.008	34.100	0.005	0.003	58.500	0.810
33155	125	127.5	2012	Expl Geochem	H-split	MT-Phy.gg	0.007	25.700	0.005	0.003	47.400	0.800
33156	127.5	129	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	34.500	0.005	0.003	54.500	0.830
33157	129	131	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	24.200	0.005	0.002	53.900	0.660
33158	131	133	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	19.000	0.005	0.002	53.600	0.630
33159	133	135	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	28.100	0.005	0.003	53.000	0.640
33160	135	137	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	22.400	0.005	0.003	52.800	0.650
33161	137	139	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	21.400	0.005	0.003	53.500	0.690
33162	139	141	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	19.100	0.005	0.003	56.200	0.700
33163	141	143	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	24.700	0.005	0.004	60.300	0.750
33164	143	145	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	14.600	0.005	0.003	54.000	0.490

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project: NTR3A **Prospect:** Main Zone **Hole ID:** 3A-12-036 **Grant No.:** YC72728

Plunge: 60 **Azimuth:** 270 **EOH:** 285

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33165	145	147	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	22.400	0.005	0.002	54.300	0.620
33166	147	149	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.007	32.500	0.005	0.004	53.400	0.830
33167	149	151.12	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.008	38.700	0.020	0.003	52.300	0.950
33168	151.12	152.45	2012	Expl Geochem	H-split	MT-CO.pbl	0.013	39.000	0.005	0.002	55.900	0.670
33169	152.45	154	2012	Expl Geochem	H-split	MT-CO.vn	0.038	99.200	0.200	0.005	17.800	0.610
33170	154	155	2012	Expl Geochem	H-split	MT-CO.pbl	0.025	460.800	0.130	0.004	24.800	2.490
33171	155	157	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	72.100	0.005	0.002	16.500	0.440
33172	157	159	2012	Expl Geochem	H-split	MT-SS.cgr	0.419	284.600	0.005	0.002	14.500	0.440
33173	159	161	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	24.900	0.005	0.002	9.500	0.340
33176	161	163	2012	Blank	LWS_2011	MT-CO.pbl	0.003	0.300	0.005	0.001	6.900	0.080
33174	161	163	2012	Expl Geochem	H-split	MT-CO.pbl	0.178	662.000	0.005	0.002	14.900	0.420
33175	161	163	2012	DUP	Q-Split	MT-CO.pbl	0.055	608.000	0.005	0.002	18.700	0.410
33177	163	165	2012	Expl Geochem	H-split	MT-CO.pbl	0.279	2719.800	0.005	0.001	14.600	0.430
33178	165	166	2012	Expl Geochem	H-split	QZVN.frac	0.240	4113.500	0.040	0.000	5.600	0.560
33179	166	167	2012	Expl Geochem	H-split	MT-Phy.gg	7.560	4448.400	0.780	0.005	19.700	0.680
33180	167	168	2012	Expl Geochem	H-split	QZVN.frac	2.650	4198.100	0.200	0.003	5.600	0.860
33181	168	169	2012	Expl Geochem	H-split	QZVN.bx	1.680	6890.400	0.005	0.004	6.100	0.950
33182	169	170	2012	Expl Geochem	H-split	QZVN.bx	0.680	5997.700	0.005	0.004	12.800	0.850
33183	170	171	2012	Expl Geochem	H-split	QZVN.bx	1.850	3430.100	0.430	0.005	16.600	0.860
33184	171	172	2012	Expl Geochem	H-split	QZVN.bx	2.160	2562.200	0.050	0.002	13.100	0.830
33185	172	174	2012	Expl Geochem	H-split	MT-CO.pbl	0.120	1043.100	0.005	0.002	16.800	0.580
33186	174	175.25	2012	Expl Geochem	H-split	MT-CO.pbl	0.100	1696.700	0.005	0.002	19.500	0.490
33187	175.25	176.2	2012	Expl Geochem	H-split	QZVN.bx	0.290	1278.700	0.130	0.002	22.000	1.080
33188	176.2	177.1	2012	Expl Geochem	H-split	QZVN.bx	0.390	1849.100	0.520	0.009	44.700	2.110
33189	177.1	179	2012	Expl Geochem	H-split	MT-SS.fgr	0.090	160.800	0.010	0.006	43.800	0.550
33190	179	180.6	2012	Expl Geochem	H-split	MT-SS.fgr	0.020	59.800	0.350	0.002	46.000	0.450
33191	180.6	181.8	2012	Expl Geochem	H-split	MT-CO.bx	0.310	891.500	0.005	0.002	13.500	1.410
33192	181.8	183	2012	Expl Geochem	H-split	MT-CO.stk	0.440	605.100	0.005	0.002	14.500	0.590
33193	183	184	2012	Expl Geochem	H-split	MT-CO.stk	0.090	2954.000	0.005	0.002	17.400	0.850
33194	184	185	2012	Expl Geochem	H-split	MT-CO.stk	0.210	2178.500	0.005	0.002	24.900	0.590
33195	185	186	2012	Expl Geochem	H-split	MT-CO.stk	0.150	651.500	0.090	0.002	46.500	0.590
33196	186	188.3	2012	Expl Geochem	H-split	MT-SS.mgr	0.040	65.800	0.005	0.002	53.700	0.460
33197	188.3	190.7	2012	Expl Geochem	H-split	MT-SS.fgr	0.030	79.200	0.005	0.002	37.500	0.360
33198	190.7	192.7	2012	Expl Geochem	H-split	MT-Phy.gf	0.090	247.100	0.005	0.002	59.800	0.510
33199	192.7	194.37	2012	Expl Geochem	H-split	MT-SS.stk	0.360	2597.600	0.280	0.016	50.900	0.570
33200	194.37	197.25	2012	Expl Geochem	H-split	MT-Phy.gg	2.120	5949.100	0.440	0.012	42.400	0.580
33201	197.25	198	2012	Expl Geochem	H-split	MT-IBSP.stk	5.180	5939.000	0.620	0.009	66.800	0.520

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project: NTR3A **Prospect:** Main Zone **Hole ID:** 3A-12-036 **Grant No.:** YC72728

Plunge: 60 **Azimuth:** 270 **EOH:** 285

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33202	198	199.65	2012	Expl Geochem	H-split	MT-SS.bx	2.180	4450.900	0.270	0.007	28.900	0.480
33203	199.65	201	2012	Expl Geochem	H-split	MT-SS.mgr	1.240	2847.400	0.180	0.009	26.200	0.460
33204	201	203	2012	Expl Geochem	H-split	MT-Phy.fol	0.430	1489.600	0.220	0.002	204.800	0.470
33205	203	205	2012	Expl Geochem	H-split	MT-IBSP.frac	0.070	150.100	0.005	0.001	38.800	0.570
33206	205	207	2012	Expl Geochem	H-split	MT-IBSP.frac	0.090	83.300	0.005	0.004	51.900	0.750
33207	207	208.3	2012	Expl Geochem	H-split	MT-IBSP.vn	0.130	275.000	0.005	0.003	48.400	0.510
33208	208.3	209.3	2012	Expl Geochem	H-split	QZVN.frac	3.680	9400.700	0.380	0.009	37.400	0.760
33209	209.3	210.3	2012	Expl Geochem	H-split	QZVN.frac	2.450	6260.300	0.005	0.004	16.900	0.620
33210	210.3	211.3	2012	Expl Geochem	H-split	QZVN.frac	0.620	3975.100	0.005	0.002	9.900	0.480
33211	211.3	212.35	2012	Expl Geochem	H-split	MT-SS.stk	3.880	6823.700	0.005	0.005	28.900	0.550
33214	212.35	213.35	2012	DUP	Q-Split	MT-Phy.stk	0.210	1718.800	0.050	0.001	68.500	0.610
33213	212.35	213.35	2012	STND	CDN-1P5f	MT-Phy.stk	1.480	9.900	0.710	0.001	73.400	9.520
33212	212.35	213.35	2012	Expl Geochem	H-split	MT-Phy.stk	0.310	1760.400	0.005	0.001	39.800	0.630
33215	213.35	214.35	2012	Expl Geochem	H-split	MT-IBSP.CSZ	10.860	7911.300	0.820	0.001	112.300	0.610
33216	214.35	215.15	2012	Expl Geochem	H-split	MT-Phy.CSZ	15.720	10000.000	1.600	0.020	50.200	0.880
33217	215.15	216.15	2012	Expl Geochem	H-split	MT-Phy.CSZ	2.740	4071.900	0.200	0.002	137.200	0.740
33218	216.15	217	2012	Expl Geochem	H-split	MT-Phy.CSZ	1.460	1380.000	0.140	0.002	122.800	0.670
33219	217	219	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.910	1311.500	0.050	0.004	63.500	1.500
33220	219	221	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.710	174.900	0.290	0.005	66.900	2.780
33221	221	223	2012	Expl Geochem	H-split	MT-Phy.CSZ	1.500	4294.000	0.240	0.006	53.900	2.470
33222	223	225	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.560	688.800	0.360	0.003	50.900	1.450
33223	225	226.35	2012	Expl Geochem	H-split	MT-Phy.gg	1.328	850.100	0.820	0.005	61.100	1.200
33224	226.35	228.35	2012	Expl Geochem	H-split	MT-Phy.CSZ	1.048	281.300	0.930	0.012	53.400	1.060
33225	228.35	229.35	2012	Expl Geochem	H-split	MT-Phy.stk	0.451	324.800	1.600	0.083	36.600	1.170
33226	229.35	230.7	2012	Expl Geochem	H-split	MT-Phy.stk	0.291	299.000	0.730	0.034	54.300	0.870
33227	230.7	231.75	2012	Expl Geochem	H-split	MT-Phy.fol	0.292	277.600	0.350	0.012	45.000	0.640
33228	231.75	234	2012	Expl Geochem	H-split	MT-CO.pbl	0.411	1014.200	0.005	0.008	16.700	0.720
33229	234	236	2012	Expl Geochem	H-split	MT-CO.pbl	0.166	391.100	0.005	0.003	18.200	0.530
33230	236	238.1	2012	Expl Geochem	H-split	MT-SS.cgr	0.200	260.800	0.450	0.006	39.900	0.500
33231	238.1	239.1	2012	Expl Geochem	H-split	MT-Phy.fol	0.009	43.300	0.050	0.002	59.000	0.530
33232	239.1	241.1	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	26.700	0.005	0.001	46.500	0.580
33233	241.1	243	2012	Expl Geochem	H-split	MT-CO.pbl	0.005	13.600	0.005	0.005	19.900	0.520
33234	243	245	2012	Expl Geochem	H-split	MT-CO.BFZ	0.003	17.100	0.020	0.004	16.900	0.520
33235	245	246.87	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	24.600	0.005	0.001	32.100	0.560
33236	246.87	249	2012	Expl Geochem	H-split	MT-CO.BFZ	0.003	17.600	0.150	0.002	19.000	0.550
33237	249	251.05	2012	Expl Geochem	H-split	MT-CO.pbl	0.030	191.800	0.005	0.006	41.600	0.840
33238	251.05	252	2012	Expl Geochem	H-split	MT-CO.stk	0.150	1382.000	1.840	0.124	26.100	0.570

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Main Zone	Hole ID:	3A-12-036	Grant No.:	YC72728
	Plunge:	Azimuth:	EOH:				
	60	270	285				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33239	252	254	2012	Expl Geochem	H-split	MT-CO.stk	0.220	782.200	0.090	0.012	22.900	0.600
33240	254	255	2012	Expl Geochem	H-split	MT-CO.stk	0.790	2201.400	0.170	0.010	37.600	0.540
33241	255	255.75	2012	Expl Geochem	H-split	MT-CO.stk	0.530	1125.800	0.160	0.013	43.300	0.890
33242	255.75	258	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.890	79.000	0.110	0.005	61.600	0.950
33243	258	260	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.050	29.200	0.005	0.004	54.400	0.620
33244	260	261	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	23.000	0.005	0.002	51.300	0.480
33245	261	263	2012	Expl Geochem	H-split	MT-Phy.stk	0.011	33.800	0.005	0.003	51.800	0.720
33246	263	264	2012	Expl Geochem	H-split	MT-Phy.fol	0.032	43.100	0.005	0.002	40.800	0.540
33247	264	265.2	2012	Expl Geochem	H-split	MT-SS.BFZ	0.040	182.900	0.005	0.004	18.400	0.520
33248	265.2	267	2012	Expl Geochem	H-split	MT-Phy.gg	0.500	1966.900	0.060	0.004	57.100	0.810
33249	267	270	2012	Expl Geochem	H-split	MT-Phy.BFZ	0.590	1925.200	0.620	0.013	83.900	1.570
33251	270	272	2012	DUP	H-split	MT-CO.stk	1.190	1178.700	1.000	0.004	27.600	2.480
33252	270	272	2012	Blank	LWS_2011	MT-CO.stk	0.050	2.200	0.005	0.000	6.100	0.180
33250	270	272	2012	Expl Geochem	H-split	MT-CO.stk	0.330	843.800	0.980	0.004	31.300	2.730
33253	272	274.1	2012	Expl Geochem	H-split	MT-CO.stk	0.040	1504.500	0.130	0.012	10.300	0.400
33254	274.1	275.75	2012	Expl Geochem	H-split	MT-CO.stk	0.690	10000.000	0.530	0.015	14.700	0.590
33255	275.75	278.12	2012	Expl Geochem	H-split	MT-CO.stk	0.270	5722.000	0.170	0.005	56.100	1.110
33256	278.12	280	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.190	1277.800	0.150	0.004	55.900	1.140
33257	280	282.55	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.660	912.000	0.110	0.004	48.900	0.880
33258	282.55	283.8	2012	Expl Geochem	H-split	MT-CO.pbl	0.007	27.600	0.005	0.001	12.500	0.600
33259	283.8	285	2012	Expl Geochem	H-split	MT-CO.pbl	0.009	33.400	0.005	0.003	16.000	0.530

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Main Zone **Hole ID:** 3A-12-037 **Logger:** BES **Grant No.:** YD07124

Location

Easting:	Northing:	Latitude:	Longitude:
533802.5	6843757.2		

Elevation: 1520 m **Grid Name:**

Datum:	UTM Zone:	Grid N:	Grid E:
NAD83	9		

Orientation

Plunge: 60
Azimuth: 270
EOH: 183.0 m
Core Size: HQ

Start Date: 11/07/2012
Finish Date: 13/07/2012
Status: Completed
Contractor: Driftwood

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
12	59.4	269.8	5721	Reflex	1
72	61.6	263.6	56592	Reflex	1
132	62.4	262.1	5639	Reflex	1
183	62.7	260	56496	Reflex	1

Objective:

The objective is to test for the southern extent of the mineralised fault that occurs on the east side of the ridge. This hole is a 50 m step-out from 3A-12-PB.

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	5		CASING		100.0%				co	1
5	114	Matrix supported QPC with silicified gy cgr sndst matrix. 10% 0.1-0.6cm (dom 0.6cm clast size) wh-or recessive cy/lim alt fspar pbl,25% 0.1-0.7cm wh-gy qtz pbl. 0.5cm spaced drk gy cy seams throughout QPC defining cleavage (SX). Strong lim alt along fracs/vns/smgr at top of interval, decreasing at depth (55.41m). X-cutting SHTV/TVA/Flt fill vns throughout. Local ser alt gives core a green colour. Minor phyl interbeds locally, often fault bounded. Rock is very broken with several BFZ and gouge zones. Moderate lost core in abundant broken zones. QPC grades into finer grn material locally with 0.1-0.3cm pbl. 58-75m QPC has chl (H<2, drk green) volcanic (?) clasts 2-10%, 0.2-0.4cm diameter. Lower contact with phyllite intensely gouged/crushed/desilicifed with the last 20cm intense crushing with talc alt and aspy mineralization.	MT-CO	pbl	92.0%	gy	qtz	25	br	2
5	114	Abundant white vuggy qtz vns with 0.1-2cm unmineralized vugs. Fractures and open vugs generally coated with limonite, especially at the top of the interval. TVA are common, also 0.1-2cm SHTV and up to 10cm flt fill veins. Suspect that many of the SHTV could be larger TVA, but can't see vein terminations. Veins generally unmineralized, but rarely have anhedral blebs of py, trace po with py at 64.95m (magnetic, bronze coloured sulphide).	QZVN	vug	5.0%	w			co	2
5	114	Vfgr, blk thinly bedded phyllite with 0.1-0.5cm gy slst beds (10% of phyllite intervals). Well fol, with graphite along fol where intensely deformed in flt zones. Phyllite intervals are short (10cm-75cm) and sparse, often faulted/broken/gouged.	MT-Phy	fol	3.0%	n			fr	3
114	122.56	Vfgr black phyllite. Thinly interbedded with 0.1-5cm beds. Locally deformed and irregular catclastic zones with crushed phyllite/qtz vn clasts. X-cutting white QV generally have cbt microfracs. Some talc vnlets x-cutting as well.. Most vns/frac at low angle to core axis. Upper contact with desilicified QPC is intensely deformed cataclastic zone. Lower contact with desilicifed QPC is gouged/crushed QPC material.	MT-Phy	fol	85.0%	n			fr	4
114	122.56	0.1-0.4cm fgr gy interbeds in blk phyllite unit with x-cutting qtz-cbt irreg/broken vnlets. Tends to host diss py locally when diss py present in unit.	MT-SLT	fgr	10.0%	gy			fr	4
114	122.56	0.1-3cm white, cbt/talc alt irregular qtz vns/vnlets, increasing intensity in cataclastic zones. Often have biege ank blebs and x-cutting cbt microfracs. Ank will effervesce with HCl when powdered.	QZVN	frac	5.0%	w			fr	4

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
122.56	139.8	white to very pale gry desilicified QPC interval with abndt x-cutting white qtz vn and diss py/asp mineralization. Desilicification give QPC a very vuggy, rough texture with abndt recessive fracs/vugs. Cgr matrix-supported with 10% recessive wh cy alt fspar 0.1-0.4cm (dom finer) pbl that are subrnd and some elongated, 20% subrnd wh qtz pbl dom 0.2cm diameter. Abndt x-cutting greasy, soft wh talc fracs. Most of interval is relatively unconsolidated and broken (large flt zone?). One minor phyllite interbed (134.6-135.85m) with gouged upper and lower contacts. Lower contact with major phyllite is also gouged/broken. QPC becomes more intensely crushed following phyllite interbed (below 135.85m).	MT-CO	pbl	75.0%	gy	qtz	20	br	3
122.56	139.8	Abndt x-cutting TVA/flt fill vns/vnlets forming stockwork texture throughout QPC interval. Vns are vuggy and fractured due to desilicification and tend to host coarse grained, euhed py/asp, locally gn/shp. Also talc alt along fracs x-cutting vns and powdery ank alt (biege/buff colour).	QZVN	vug	25.0%	w			br	3
139.8	183	Fairly competent phyllite interval with consistent bedding, 0.1-0.5cm gy slst interbeds. Locally deformed with wh x-cutting flt fill qtz vns and vnlets. Minor x-cutting wh cy and cbt fracs and vlets. Graphite along fol throughout. Some brittle fault zones and intermittent gouge. Upper contact with QPC is gouged/broken. Start grading into a drk gy sndst at bottom of interval.	MT-Phy	fol	94.0%	n			fr	1
139.8	183	0.1-0.4cm gy interbed in dom phyllite interval. Any diss py tends to be confined to slst beds. Bedding becomes locally irregular/crenulated in more intensely deformed areas.	MT-SLT	fgr	5.0%	gy			fr	1
139.8	183	x-cutting white SHTV, flt fill, tension vns and vnlets throughout. More common in deformed/flted zones. Locally have cbt/chl/ank alt. Tend to be deformed/angular/broken habit, but some SHTV are well formed, vuggy and bedding-parallel. Most of py mineralization in phyllite interval occurs in qtz vns or vn clasts.	QZVN	frac	1.0%	w			co	1

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
0	114	fspar grns in QPC alt to lim	LIM	1.5	smgr	o
0	114	wh cy coating x-cutting microfracs	cy	1.5	frac	w
0	114	fspar grns in QPC preferentially alt to wh cy, making fspar recessive	cy	1.5	smgr	w
0	36.7	pale green/white vitreous flake of ser diss in QPC matrix	ser	1	perv	g
0	36.7	minor silicification of QPC	SIL	1	perv	gy
0	30.5	abundant x-cutting fracs coated with orange limonite at top of QPC interval	LIM	3	frac	o
30.5	38	zone with less abndt lim alt fracs in QPC	LIM	1	frac	o
30.5	38	decrease in lim presence within cy alt fspar grns	LIM	1	smgr	o
36.45	36.7	local chl alt as green blebs in QV in small phyllite interbed	chl	1	vn	g
36.7	45.17	perv silicification of QPC with ser alt	SIL	2.5	perv	gy
36.7	45.17	perv ser alt of QPC matrix giving a pale green-gy colour	ser	1.5	perv	g
38	44.16	more abndt fracs corresponds to an increase in lim alt	LIM	2.5	frac	o
38	114	decrease in lim alt overall and fracs	LIM	1.5	frac	o
45.17	57.05	pervasive sericite alt giving core pale green colour	ser	2.5	perv	g
45.17	57.05	perv silicification of QPC along with ser alt	SIL	2.5	perv	gy
58	75	drk grn chl alt of 5-10% volcanic (?) lithic pbl in QPC	chl	1.5	smgr	g
66	75	intense pervasive ser alt throughout core giving it a white colour and recessive fracs/fol where abndt ser + cy	ser	3	perv	w
66	75	increase in fabric intensity, with cy seams spaced 0.3cm apart.	cy	3	fol	gy
85.08	90	increase in x-cutting microfracs and intensity of lim alt along fracs	LIM	3	frac	o

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
85.08	90	increase in selective lim alt of white, recessive, cy alt fspar pbl	LIM	2	smgr	o
92.3	95.31	intense lim alt along fracs and fabric (SX) in QPC corresponds to an increase in mineralization along vns/vugs/fracs	LIM	3.5	frac	o
103.8	113.8	pervasive desilicification of QPC with x-cutting QV resulting in abndt recessive vugs/fracs throughout. Desilicified material has abndt euhed asp.	DSIL	3.5	perv	w
103.8	113.8	abndt talc alt in desilicified interval occuring as x-cutting fracs	tlc	2.5	frac	w
113.8	114	intense soft white talc alteration, core almost completely composed of talc and asp with minor QPC blebs	tlc	4	frac	w
114	122.56	minor talc alt of deformed cataclastic QV as blebs in wh broken QV	tlc	1	vn	w
114	122.56	minor x-cutting wh cy microfracs in phyllite	cy	1	frac	w
114	122.56	biege/buf ank blebs in deformed cataclastic QV within phyllite, intensifies with increase in broken vns	ank	1	vn	bf
122.56	139.8	greasy, soft white talc fractures x-cutting QPC in desil section	tlc	3.5	frac	w
122.56	139.8	selective replacement of fspar grns in QPC with white cy	cy	2	smgr	w
122.56	139.8	beige/buff coloured ank lining/infilling vugs in x-cutting QV, effervesce with HCl when powdered	ank	1	vug	bf
122.56	139.8	pervasive desil of QPC giving QPC a very rough, granular, unconsolidated texture	DSIL	3.5	perv	w
139.8	183	biege coloured blebs of ank (effervesce w/ HCl when powdered) in deformed/broken white qtz vns	ank	1	vn	bf
139.8	183	cbt (intense rxn w/ HCl) microfracs x-cutting QPC and in QV	cbt	1	frac	w
139.8	183	some deformed qtz vns have chl bleb, likely infilling vugs	chl	1	vn	g

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
7.23	8	FZ	300.0%	BFZ	core very broken w/ abndt lim coated fracs/surfaces of broken pieces
12	12.16	FZ	300.0%	BFZ	broken zone with lim alt fracs
12.96	13.75	QZVN	300.0%	TVA	abndst x-cutting wh qtz vns, likely part of multiple TVA, core broken and lim alt
13.75	15.05	FZ	300.0%	BFZ	core broken/fragmented/crushed with abndt lim on broken surfaces/fracs
25.08	25.3	FZ	300.0%	gg	QPC-phyl section, intensely fragmented, dominantly cy gouge
27.7	30.18	QZVN	400.0%	stwk	abndt white, vuggy, lim alt 0.5-3cm SHTV, qtz vnlets and fracs x-cutting QPC forming stockwork texture
28.35	29.1	FZ	400.0%	CSZ	intensely gouged/crushed fault zone in phy interval
36.45	36.7	FZ	300.0%	BFZ	thin, broken/faulted lim/chl alt (vn) phyllite interval with minor cy gouge
38	38.8	FZ	400.0%	gg	interval with significant lost core, composed of gouged/crushed materail
40.77	44.86	FZ	300.0%	BFZ	QPC interval with minor phyllite, most of core is fragmented with 1-5cm pieces, intermitten gouge, few longer solid pieces of core within. Intense lim alt on fracs
46.61	47.57	FZ	200.0%	BFZ	phyllite section where core is broken into dom 5cm angular pieces, minor gouge/crushed rock pieces and some lost core
47.57	50.63	QZVN	300.0%	TVA	mulltiple TVA, different scales. Larger array with 0.5cm thick tension vns, 5cm spaced. Smaller array with entire shear zone 3cm wide, 0.2cm thick qtz tension vns spaced 1cm apart along the C-plane
55.41	55.45	FZ	200.0%	gg	thin gouge zone in QPC above TVA section
55.45	57.72	QZVN	200.0%	TVA	interval of QPC with abndt TVA with tension vns spaced 1-10cm, 0.3-1cm thick vns
59.25	59.8	FZ	400.0%	gg	completely crushed/gouged secion of QPC
60.15	61.6	FZ	300.0%	BFZ	fragmented phyllite section with pieces <5cm size, some clay gouge
67.2	67.7	FZ	400.0%	gg	intensely crushed/gouge QPC section, lim/ser alt
69.7	72	FZ	400.0%	gg	gouged/crushed zone in QPC, lim/ser alt
81	82.2	FZ	400.0%	gg	intensely broken/gouged zone, part of section turned to "sand" and significant lost core

From	To	Mineral	Intensity	Distribution	Comments
85.08	87	QZVN	300.0%	stwk	gy/wh, lim alt silicified zone with abndt x-cutting lim/cy fracs hosting aspy
89	90	FZ	400.0%	gg	intensely crushed/gouged zone in QPC with lim alt crushed piecs and significant lost core
92.3	95.31	FZ	300.0%	BFZ	Intensely frac'd zone (lim fracs) x-cutting QPC and qtz vns, core fairly competent, locally broken
96.7	98.95	FZ	300.0%	BFZ	broken/crushed section of core with some competent pieces. Mostly broken with 5cm pieces, areas with gouge and 1mm-1cm pieces. Poor recover.
102	103.2	FZ	400.0%	gg	interval dominantly gouge/crushed QPC, lim alt. Very poor recovery
103.8	114	FZ	400.0%	gg	intensely crushed/gouged/desilicified/cy alt zone of QPC. ASP min in QV, diss py
114	117.6	FZ	400.0%	CSZ	intensely deformed/crushed zones in phyllite with broken/crushed irregular QV and phyllite
117.73	118.67	FZ	400.0%	CSZ	deformed/broken/crushed phyllite/qtz vns with intermittent gouge
119.66	120	FZ	400.0%	gg	"toothpaste core," zone of cy gouge in phyllite, lost core
122.56	139.8	FZ	300.0%	BFZ	abndst crushed/broken/gouged intervals throughout QPC interval
122.56	139.8	QZVN	300.0%	stwk	abndt x-cutting TVA/SHTV/vnlets and talc fracs hosting py/asp/gn/sph
150.56	151.6	FZ	200.0%	BFZ	zone with intermittent 2cm flt gouge zones and and thick x-cutting ank/chl alt deformed qtz vns
155.95	156.77	FZ	300.0%	BFZ	zone of abndt crushed/broken phyllite, most pieces <10cm, some fragments 1-5cm.
159.3	159.67	FZ	400.0%	gg	completely gouged/crushed zone in phyllite, dom phyllite cy gouge
160.02	162	FZ	300.0%	BFZ	dom crushed/fragmented angular phyllite clasts in this zone, minor gouge locally
166.38	168	FZ	200.0%	BFZ	another zone with very broken core, many fragments 1-5cm and angular, some crushing
170.13	171	FZ	200.0%	BFZ	broken phylite zone with abndst vnlets in broken pieces, locally crushed/gouged, most pieces ~5cm in size
180.68	181.15	FZ	300.0%	BFZ	broken/crushed zone of phyllite, significant lost core
181.38	181.91	FZ	400.0%	gg	zone of gouged/crushed phyllite, significant lost core

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
5	114	trace fgr anhed py blebs in white vuggy flt fill vns	py	0.001	vn
5	12.96	trace fgr euhed py diss in QPC matrix	py	0.001	diss
12.96	15	1% diss recessive oxidized py cubes (py boxwork) in intensely vned section	py	0.01	diss
12.96	15	trace recessive oxidized euhedral py cubs (py bxwork) in vns	py	0.005	vn
15	75	trace diss fgr euhed py in QPC	py	0.001	diss
64.75	64.8	trace anhedral magnetic po as blebs with py in tensin vn at 64.75	po	0.001	vn
75	81	increase in fgr euhed py diss in QPC	py	0.01	diss
81	87	anhedral blebs of py coating sections of fracs along cy seam fabric (SX).	py	0.01	frac
81	87	mgr euhed asp diss in rock (could be vn assoc).	asp	0.005	diss
81	93	diss fgr euhed py in QPC matrix	py	0.01	diss
81	87	vfgr anhedral to fgr subhed asp along SX microfracs	asp	0.01	frac
93	105.64	trace anhed to subhed gn in lim coated flt fill QV vugs	gn	0.001	vug
93	105.64	fgr euhed py in lim coated vlt vn vugs in very fractured section of QPC	py	0.01	vug
93	105.64	decrease in concentration of fgr euhed py diss in QPC	py	0.005	diss
93	105.64	mgr euhed asp diss in QPC	asp	0.005	diss
93	105.64	trace gn as anhed to subhed blebs in deformed vnlets with sph/py	gn	0.001	vn

From:	To:	Comments	Mineral	Percent	Distribution
93	105.64	trace sph as anhed to subhed blebs in deformed vnlets with gn/py	sph	0.001	vn
105.64	113.8	fgr euhed py in white desilicified vuggy QV	py	0.01	diss
105.64	113.8	cgr euhed py in white qtz vns, increase in concentration corresponds to desilicified/talc/cy alt interval	asp	0.03	vn
113.8	114	abndt cgr euhed py in intensely talc alt zone, occuring in talc vns, at lower contac of QPC with phyllite	asp	0.07	vn
114	122.56	graphite coating fol in phyllite, more intense where increased deformation	gf	0.01	fol
114	122.56	trace fgr euhed py in broken qtz vns	py	0.001	vn
114	122.56	trace f-mgr diss py in silstone interbeds	py	0.001	diss
122.56	139.8	mgr euhed py blebs in x-cutting white QV, likely infilling vugs	py	0.01	vn
122.56	139.8	trace blebs of subhed brown, vitreous to earthy sph in vns with gn and py	sph	0.001	vn
122.56	139.8	trace blebs of subhed galena in QV with sph and py	gn	0.001	vn
122.56	139.8	fgr anhed asp coating micrifracs x-cutting vns and QPC	asp	0.001	frac
122.56	139.8	cgr euhed asp in x-cutting QV, likely infilling vugs	asp	0.005	vn
122.56	139.8	mgr to cgr euhed asp diss in QPC	asp	0.01	diss
122.56	139.8	mgr euhed py crystals diss in QPC	py	0.01	diss
122.56	139.8	trace fgr anhed py coating x-cutting microfracs	py	0.001	frac
139.8	183	fgr subhedral py diss in coarser grn beds of phyllite (tend to be diss along slst interbeds)	py	0.005	diss
139.8	183	subhedral to euhedral fgr py along white deformed/broken qtz vns in phyllite	py	0.01	vn

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
5.63	Veins	38		qtz	SHTV	55	0		SX parallel qtz vnlet, 10cm spacing
5.96	Veins	38		qtz	SHTV	55	0		qtz vnlet, 0.2cm wide, 10cm spacing
7.22	Cleavage	17	Sx	LIM		55			lim coated fabric
8.36	Fractures	17		LIM		40			x-cutting microfracs
9.19	Cleavage	17	Sx	LIM		65			drk cy seams, fabric
9.44	Veins	38		qtz	SHTV	60			qtz vnlet, 0.2cm, Sx parallel
9.5	Veins	38		LIM	FLT	20			2CM qv, LIM selvedge
9.9	Fractures	81		LIM		40			x-cutting microfracs
9.95	Veins	38		qtz	SHTV	70			0.2cm vuggy vnlet
11.97	Veins	38		qtz	SHTV	80	12		0.5cm qtz vnlet
12.56	Veins	38		LIM	SHTV	65			0.7cm lim alt fracs, wavy 7cm spacing
12.91	Veins	38		LIM	SHTV	55			1cm QV x-cut by lim fracs, cy margin
13.58	Shear	32		qtz	TVA	0			C-plane vn in TVA shear zone
13.58	Shear	32		qtz	TVA	0			white sigmoidal tension vns
13.58	Shear	32			TVA	0			shear zone boundary of TVA
15.2	Fractures	81		LIM		20			frac x-cutting SX and vns
15.31	Veins	38		LIM	SHTV	40			0.4cm QV, lim selvedge
15.71	Veins	38		qtz	SHTV	50	0		0.5cm wh vuggy QV
16.87	Veins	38		qtz	SHTV	60	242		0.2cm wh vuggy qtz vnlet, 5cm spacing

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
17.17	Veins	38		qtz	SHTV	55	60		vnlet
17.34	Fractures	81				35	240		vn frac perpendicular to 3cm qtz vn
17.49	Veins	38		qtz	FLT	20	246		3cm wh vuggy flt vn
17.95	Cleavage	17	Sx	cy		35	70		cy seam fabric, 0.5cm spacing
18.07	Veins	38		qtz	FLT	50	260		1.5cm QV, lim fracs
18.26	Veins	38		LIM	FLT	45	228		5cm wh vuggy/lim fracs and selvedge
18.39	Bedding	46				60	70		2.5cm sndst interbed
18.39	Fractures	81		cy		45			bedding parallel frac
18.39	Veins	38		LIM	FLT	55			2cm wh vuggy vn, lim selvedge
18.39	Veins	38		qtz	FLT	40			0.2cm qtz vnlet
19.28	Bedding	46		LIM		30			phyl interbed in QPC
21.05	Veins	38		LIM	SHTV	65	8		0.2cm vuggy qtz vnlet, 30cm spacing, lim vugs
21.34	Veins	38		qtz	SHTV	80	8		0.2cm vuggy qtz vnlet, 30cm spacing, lim
21.39	Veins	38		cy	SHTV	70	20		vnlet, 0.1cm, 4cm spacing
22.87	Veins	38		qtz	SHTV	65			0.2cm wh qtz vnlet, 5cm spacing
23.1	Fractures	81		LIM		60			microfracs x-cutting SX
23.4	Fractures	81				50			
23.82	Bedding	46				45			
25.02	Veins	38		qtz	Veinlets	50			
25.02	Veins	38		qtz	Veinlets	55			
25.89	Foliation	17	Sx			65	0		
26.29	Faults	38				20			possible a shear zone
26.54	Bedding	46				50			
28.4	Contact		So	cy	Gouge	60	70		
29.7	Veins	38		qtz	SHTV	55			0.5-3cm thick
30.14	Veins	38		qtz	SHTV	55			0.5cm thick
30.56	Foliation	17	Sx			60	90		
30.56	Fractures	81		cy		50	260		
31.06	Foliation	17	Sx			40	318		
31.16	Veins	38		qtz	SHTV		116		0.5cm thick, vuggy vnlet
33.79	Veins	38			FLT	50	38		
33.95	Veins	38		qtz	SHTV	55	82		
34.5	Veins	38		qtz	Veinlets	50	58		
37.5	Veins	38		qtz	SHTV	50			1cm sheeted qtz vein set
37.76	Foliation	17	Sx	cy		55			
37.76	Veins	38		qtz	TVA	70			
45.09	Bedding	46	So			60	94		phyllite interbed
47.7	Veins	38		qtz	TVA	35	188		0.5cm white tension vn
47.85	Veins	38		qtz	SHTV	35	198		0.5cm white QV

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
48.25	Fractures	81		LIM	Veinlets	15			
48.5	Veins	38		qtz	SHTV	70			0.2cm sheeted vnlet set
48.57	Shear	32		qtz		25			shear zone boundary
48.57	Veins	38		qtz	SHTV	75			0.5cm sheeted vnlet set
48.57	Veins	38		qtz	TVA	25			C-plane white qtz vn of TVA shear zone
48.57	Veins	38		qtz	TVA	45			sigmoidal tension vns in TVA shear zone
49.66	Fractures	81		cy		40			x-cutting cy microfracs
50.88	Veins	38		qtz	SHTV	45	52		0.1cm shetted vnlet
50.95	Foliation	17	Sx	cy		50	60		
51.1	Veins	38		qtz	SHTV	50	72		0.6cm sheeted vn set
51.34	Veins	38		qtz	SHTV	55	80		0.2cm sheeted vn set
51.44	Foliation	17	Sx	cy		50	82		
53.5	Veins	38		qtz	SHTV	45	104		0.4cm sheeted vn set
53.65	Fractures	81		qtz	FLT	10			flt fill qtz vn
54.44	Foliation	17	Sx	cy		20	100		
54.6	Veins	38		qtz	FLT	15	70		0.5cm flt fill vn
54.69	Veins	38		qtz	FLT	15	100		0.9cm flt fill vn
55.05	Foliation	17	Sx	cy		50	54		fabric in QPC spaced 0.5cm
55.6	Veins	38		qtz	TVA	45			0.5cm tension vnlet
55.6	Veins	38		qtz	TVA	20			0.3cm tension vnlet
56.83	Bedding	46				70			phyllite interbed
56.83	Bedding	46				75			phyllite interbed
62	Fractures	81		LIM		50	90		
62.5	Veins	38		qtz	SHTV	30	88		0.1cm qtz vnlet
62.7	Veins	38		qtz	SHTV	45	87		0.5cm sheeted QV
62.77	Foliation	17	Sx			50	82		
62.83	Veins	38		qtz	SHTV	35	84		1cm qtz vein
64.97	Veins	38		qtz	TVA	50			0.5cm tension vein
65.48	Veins	38		qtz	SHTV	55			0.6cm sheeted vn set
65.57	Foliation	17	Sx	cy		50			
68.5	Fractures	81		LIM		40			orange lim coated microfracs
68.5	Fractures	81		LIM		20			orange lim coated microfracs
73.98	Veins	38		qtz	TVA	35			0.4cm tension vein
74.17	Veins	38		qtz	FLT	15			0.5cm flt fill vn
74.44	Veins	38		qtz	SHTV	40			0.4cm sheeted vn set
74.84	Veins	38		qtz	FLT	60			1.3cm flt fill vn
75.12	Veins	38		qtz	SHTV	35			0.5cm sheeted vn
76.77	Veins	38		qtz	FLT	15			0.2cm flt fill vn
76.85	Foliation	17	Sx	cy		35			

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
77.77	Foliation	17	Sx	cy		40	118		
77.81	Veins	38		qtz	SHTV	55	136		1cm sheeted vn
77.88	Veins	38		qtz	SHTV	55	107		0.5cm sheeted vn
78.37	Veins	38		qtz	SHTV	25			0.4cm thick
78.49	Veins	38		qtz	SHTV	50			0.5cm sheeted vn
79.72	Veins	38		qtz	SHTV	35			0.4cm sheeted vn
79.79	Foliation	17	Sx	cy		40			
80.09	Bedding	46	So			30			phyllite interbed
80.14	Contact			cy	Gouge	70			
82.05	Fractures	81		py		45			py occuring along x-cutting microfrac
82.6	Veins	38		qtz	FLT	10			0.3cm flt fill vn
83.77	Veins	38		qtz	SHTV	30			0.3cm vnlet
84.15	Veins	38		qtz	SHTV	35			0.5cm qtz vn hosting asp/py
84.46	Bedding	46	So			50			phyllite interbed
84.85	Veins	38		qtz	SHTV	40			0.5cm sheeted vn
84.93	Fractures	81		asp		45			microfrac hosting asp
87.26	Veins	38		qtz	SHTV	25			0.4cm sheeted vn
87.64	Fractures	81		LIM		50			lim coated microfrac
90.1	Veins	38		qtz	FLT	5			0.1cm flt fill vnlet
90.63	Fractures	81		LIM		85			
91.16	Foliation	17	Sx	cy		10			
91.16	Veins	38		qtz	FLT	15			0.3cm flt fill vnl
91.98	Foliation	17	Sx	cy		20			cy min along recessive/vuggy seams defining fabric
93.25	Veins	38		qtz	FLT	10			0.7cm flt vn
93.8	Fractures	81		LIM		10			
93.8	Veins	38		qtz	SHTV	20			0.3cm thick
93.8	Veins	38		qtz	SHTV	20			0.4cm thick
94	Veins	38		qtz	FLT	40			1.5cm flt fill vn
94.3	Fractures	81				15			asp min along microfracs
94.4	Foliation	17	Sx	cy		25			
95.9	Veins	38		qtz	TVA	10			0.2cm tension vn hosting py min in vugs
95.9	Veins	38		qtz	TVA	15			0.5cm tension vn hosting py min
96.3	Veins	38		qtz	SHTV	45			1cm sheeted vn
96.55	Veins	38		qtz	FLT	25			1.9cm flt fill vn
96.55	Veins	38		qtz	FLT	15			1.8cm flt fill vn
97.01	Foliation	17	Sx	cy		20			
99.1	Veins	38		qtz	FLT	15			1.5cm flt fill vn
99.1	Fractures	81		py		30			sph/sn/py min along frac where it intersects qtz vn
99.1	Foliation	17	Sx	cy		5			

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
104.1	Veins	38		qtz	FLT	45			5cm flt fill vn
104.3	Veins	38		qtz	FLT	45			0.7cm flt fill vn
104.44	Veins	38		qtz	SHTV	30			0.7cm sheeted vn
104.57	Veins	38		qtz	SHTV	40			0.5cm sheeted vn
105.76	Veins	38		LIM	FLT	65			flt frac with lim coating
105.76	Veins	38		qtz	FLT	40			2cm flt fill vn hosting py
106.2	Veins	38		qtz	FLT	25			
110.69	Veins	38		qtz	TVA	10			0.5cm thick C-plane vein in tension vein array within shear zone
110.69	Veins	38		qtz	TVA	65			0.5cm thick tension vns in shear zone
111.33	Veins	38		qtz	TVA	50			0.9cm wide tension vn
111.33	Veins	38		qtz	FLT	30			0.4cm flt fill vn
111.33	Fractures	81			FLT	0			flt fracture
111.72	Veins	38		qtz	FLT	40			5cm wide flt fill vn
112.25	Fractures	38		qtz		10			x-cutting qtz microfrac
113.03	Veins	38		qtz	TVA	40			0.6cm tension vn
113.65	Veins	38		tlc	Veinlets	20			0.1cm talc coated (greasy, wh, soft) vnlet
115.6	Veins	38		qtz	SHTV	75			0.3cm qtz vnlet
115.73	Bedding	46	So			60			thin phyllite interbed
115.94	Bedding	46	So			70			phyllite interbed
116.23	Veins	38		qtz	TVA	20			0.5cm tension vn
117.35	Bedding	46				50			0.1cm siltstone interbed in phyllite
117.59	Foliation	4	S1	gph		45			pervasive graphite coated fol in phyllite
122.56	Contact			tlc		70			gouged, talc lined contact between phyllite above and desil QPC below
130.33	Fractures	81		cy		50			x-cutting microfrac, minerized with fgr anhed py/asp where intersects wh qtz vn
131.2	Veins	38		qtz	FLT	35			2cm white qtz flt fill vn with cgr asp/py infilling vugs
133.65	Fractures	81		tlc		35			wh, greasey, soft talc frac
134.25	Veins	38		qtz	FLT	30			0.2-0.4cm wh flt vn hosting subhed py/sph
134.4	Veins	38		qtz	Veinlets	35			vuggy wh qtz vnlet hosting py
135.47	Fractures	81		cy		20			wh cy microfrac with fgr anhed asp
136.95	Fractures	81		tlc		15			wh, soft greasy talc fracture x-cutting QPC
138.41	Veins	38		qtz	FLT	5			vuggy wh flt vn with ank/py infilling vugs
139.6	Fractures	81		tlc		10			wh soft talc fracture in QPC
140.82	Bedding	46				80			silstone interbed
140.82	Foliation	4		gph		45			graphite lined fol in phyllite
143.4	Veins	38		qtz	Veinlets	10	170		qtz flt veinlet in phyllite
143.55	Veins	38		qtz	Veinlets	40	222		0.1cm vuggy qtz-cbt vnlets, sheeted, 1cm spacing
143.55	Bedding	46				70	50		slst interbed in phyllite
144.19	Bedding	46				75	10		slts interbed in phyllite
146.25	Bedding	46				60	80		silst interbed in phyllite offset by microflt

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
146.25	Faults	28				0	53		normal flt, 70/150 RHR. 0.5cm offset on slst interbed in phyl
146.85	Bedding	46				65	75		0.3cm slst interbed in phyl
147.66	Bedding	46				35	30		crenulated 1mm slst/phy interbeds
147.95	Bedding	46				45	355		slst interbed in phyllite
149.35	Foliation	4				50	100		graphite coated fol in phyllite
149.35	Bedding	46				10	320		1cm slst interbed in phyl
149.6	Veins	38		qtz	SHTV	25	295		1.5cm SHTV in phyllite spaced 10cm
149.72	Veins	38		qtz	SHTV	25	324		2.5cm white ank alt SHTV in phyllite spaced 10cm
150.3	Veins	38		cbt	Veinlets	5	80		calcite lined white microfrac x-cutting phyllite bedding
150.34	Bedding	46				35	318		0.2cm slst interbed in phyllite
156.87	Veins	38		qtz	Veinlets	25			0.2cm vuggy qtz vnlet hosting py
157.5	Veins	38		qtz	Veinlets	10			0.2cm white vuggy qtz vnlet hosting py
159.15	Bedding	46				45			0.4cm slst interbed in phyllite
162.45	Veins	38		qtz	FLT	55			5cm white, deformed qtz flt fill vn , wk chl alt in phyllite
163.38	Bedding	46				50			0.5cm slst interbed in phyllite
163.4	Veins	38		qtz	Veinlets	50			bedding parallel 0.2cm qtz vnlet in phyllite
169.23	Veins	38		qtz	SHTV	40			0.5cm deformed irregular qtz vn with wk chl/ank alt, 10cm spacing on SHTV set
169.43	Veins	38		qtz	SHTV	45			0.2cm white vuggy deformed (almost boudinaged) SHTV, 1cm spacing
169.63	Bedding	46				80			0.2cm slst bed in phyllite, bedding has flattened out significantly
173.33	Bedding	46				40			1.5cm slst bed in phyllite
173.33	Foliation	4	S1	gph		10			graphited coating foliation in phyllite
175.25	Bedding	46				30			0.5cm slst interbed in phyllite
175.25	Veins	38		qtz	FLT	2			0.5cm irregular, vuggy qtz vn with py in vugs
175.35	Veins	38		cy	Veinlets	30			<1mm thick white cy vnlets, sheeted, 0.8cm spacing
179.38	Veins	38		qtz	FLT	45			1cm qtz vn (almost bx) with phyllite clasts, hosting py
179.44	Bedding	46				50			0.2cm slst interbed in phyllite
181.3	Veins	38		qtz	SHTV	55			0.3cm ank alt qtz vn in sndst interbed, 6cm spacing
182.28	Cleavage	17				55			fabric in fgr sndst bed
182.54	Veins	38		qtz	Veinlets	50			0.1cm wh cy alt qtz veinlet in fgr sndst bed, almost fol parallel

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33260	5	7	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	80.600	0.005	0.002	13.100	0.420
33261	7	9	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	66.400	0.005	0.001	13.200	0.380
33262	9	11	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	55.800	0.005	0.001	14.800	0.360
33263	11	13	2012	Expl Geochem	H-split	MT-CO.pbl	0.006	120.600	0.005	0.001	15.100	0.410
33264	13	15	2012	Expl Geochem	H-split	MT-CO.pbl	0.005	143.800	0.005	0.006	14.600	0.350
33265	15	17	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	90.000	0.005	0.002	14.700	0.400
33266	17	19	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	60.100	0.005	0.002	11.200	0.550
33267	19	21	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	18.900	0.005	0.002	29.600	0.440
33268	21	23	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	16.300	0.005	0.001	10.600	0.310
33269	23	25	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	12.500	0.005	0.002	20.800	0.390
33270	25	27	2012	Expl Geochem	H-split	MT-CO.pbl	0.023	44.100	0.005	0.003	17.800	0.380
33271	27	29	2012	Expl Geochem	H-split	MT-CO.pbl	0.057	121.400	1.060	0.054	34.600	0.420
33272	29	31	2012	Expl Geochem	H-split	MT-CO.pbl	0.045	95.400	0.005	0.006	20.000	0.390
33273	31	33	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	20.900	0.005	0.002	7.700	0.390
33274	33	35	2012	Expl Geochem	H-split	MT-CO.pbl	0.006	8.600	0.005	0.003	9.400	0.340
33275	35	37	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	8.500	0.005	0.002	13.100	0.420
33276	37	39	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	12.700	0.005	0.002	11.400	0.350
33277	39	41	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	30.200	0.060	0.002	13.700	0.430
33278	41	45	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	52.300	0.050	0.002	28.400	0.410
33279	45	47	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	20.100	0.005	0.002	20.800	0.390
33280	47	49	2012	Expl Geochem	H-split	MT-CO.pbl	0.038	102.900	0.370	0.002	23.700	0.310
33281	49	51	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	19.600	0.050	0.002	12.200	0.470
33282	51	53	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	32.700	0.290	0.002	26.300	0.470
33283	53	55	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	7.200	0.060	0.002	9.100	0.410
33284	55	57	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	6.600	0.010	0.002	21.600	0.450
33285	57	59	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	11.600	0.005	0.002	40.300	0.470
33286	59	61	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	7.700	0.005	0.002	24.800	0.470
33287	61	63	2012	Expl Geochem	H-split	MT-CO.pbl	0.006	6.500	0.005	0.002	23.200	0.450
33288	63	65	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	16.600	0.280	0.002	14.100	0.470
33289	63	65	2012	STND	CDN-GS-8B	MT-CO.pbl	7.696	963.600	0.670	0.001	39.800	10.680
33290	63	65	2012	DUP	Q-Split	MT-CO.pbl	0.010	20.200	0.190	0.002	15.400	0.470
33291	65	67.2	2012	Expl Geochem	H-split	MT-CO.pbl	0.008	26.200	0.370	0.002	19.800	0.540
33292	67.2	69	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	12.200	0.650	0.002	10.100	0.470
33293	69	72	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.003	20.700	0.110	0.002	24.200	0.420
33294	72	74	2012	Expl Geochem	H-split	MT-CO.pbl	0.147	42.600	0.005	0.001	9.800	0.520
33295	74	76	2012	Expl Geochem	H-split	MT-CO.pbl	0.016	20.400	0.005	0.001	13.200	0.420
33296	76	78	2012	Expl Geochem	H-split	MT-CO.pbl	0.051	35.700	0.005	0.001	14.400	0.430

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Main Zone	Hole ID:	3A-12-037	Grant No.:	YD07124
	Plunge:	Azimuth:	EOH:				
	60	270	183				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33297	78	80	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	45.300	0.005	0.002	10.500	0.510
33298	80	82.2	2012	Expl Geochem	H-split	MT-CO.pbl	0.007	28.700	0.005	0.001	29.200	0.780
33299	82.2	83	2012	Expl Geochem	H-split	MT-CO.pbl	0.036	94.900	0.005	0.002	28.800	0.440
33300	83	84	2012	Expl Geochem	H-split	MT-CO.pbl	0.150	1261.600	0.005	0.001	14.400	0.350
33301	84	85	2012	Expl Geochem	H-split	MT-CO.pbl	0.210	2285.500	0.005	0.002	21.300	0.360
33302	85	87	2012	Expl Geochem	H-split	MT-CO.stk	0.390	6831.900	0.005	0.002	5.800	0.480
33303	87	90	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.010	83.800	0.005	0.001	14.600	0.350
33304	90	92	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	21.900	0.100	0.002	34.500	0.460
33305	92	93	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	141.300	0.410	0.029	25.500	0.480
33306	93	94	2012	Expl Geochem	H-split	MT-CO.stk	0.020	186.200	0.870	0.049	37.500	0.500
33307	94	95	2012	Expl Geochem	H-split	MT-CO.stk	0.040	170.700	1.040	0.090	21.000	0.440
33308	95	96	2012	Expl Geochem	H-split	MT-CO.stk	0.050	45.900	0.350	0.018	21.800	0.370
33309	96	99	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.010	60.500	0.180	0.010	21.400	0.420
33310	99	102	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.020	324.100	0.190	0.015	19.500	0.480
33311	102	105	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.560	783.600	0.040	0.003	19.300	0.470
33312	105	108	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.080	2457.300	0.060	0.002	17.600	0.590
33313	108	109	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.190	3436.900	0.020	0.001	10.100	0.450
33314	109	110	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.210	2700.700	0.005	0.001	14.700	0.420
33315	110	111	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.060	1343.400	0.005	0.001	11.300	0.520
33316	111	112	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.050	228.600	0.140	0.001	10.400	0.410
33317	112	113	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.050	36.400	0.005	0.001	11.000	0.370
33318	113	114	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.220	8256.500	0.005	0.001	13.800	0.500
33319	114	116	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.120	576.400	0.200	0.002	60.400	0.580
33320	116	118	2012	Expl Geochem	H-split	MT-Phy.CSZ	0.010	54.800	0.100	0.003	55.100	0.460
33321	118	120	2012	Expl Geochem	H-split	MT-PHY.fol	0.050	32.100	0.140	0.003	52.000	0.420
33322	120	122.56	2012	Expl Geochem	H-split	MT-Phy.fol	0.010	38.200	0.100	0.003	45.400	0.450
33323	122.56	124	2012	Expl Geochem	H-split	MT-CO.gg	0.020	172.000	0.005	0.003	17.500	0.420
33324	124	125	2012	Expl Geochem	H-split	MT-CO.gg	0.170	389.300	4.120	0.240	11.900	0.470
33325	125	126	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	51.200	0.150	0.015	8.200	0.460
33328	126	127	2012	Blank	LWS_2011	MT-CO.pbl	0.003	0.300	0.130	0.000	7.800	0.340
33326	126	127	2012	Expl Geochem	H-split	MT-CO.pbl	0.040	630.600	0.200	0.023	6.500	0.560
33327	126	127	2012	DUP	Q-Split	MT-CO.pbl	0.088	1087.500	0.500	0.039	7.500	0.410
33329	127	128	2012	Expl Geochem	H-split	MT-CO.pbl	0.080	280.100	0.940	0.051	17.500	0.890
33330	128	129	2012	Expl Geochem	H-split	MT-CO.pbl	0.330	1632.300	0.070	0.006	13.400	0.470
33331	129	130	2012	Expl Geochem	H-split	MT-CO.pbl	0.670	259.900	0.990	0.002	12.000	0.550
33332	130	131	2012	Expl Geochem	H-split	MT-CO.pbl	0.130	1377.800	0.190	0.015	6.400	0.510
33333	131	132	2012	Expl Geochem	H-split	MT-CO.pbl	0.100	1281.000	0.340	0.031	10.300	0.430

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Main Zone	Hole ID:	3A-12-037	Grant No.:	YD07124
	Plunge:	Azimuth:	EOH:				
	60	270	183				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33334	132	133	2012	Expl Geochem	H-split	MT-CO.pbl	0.460	3759.700	0.650	0.014	13.100	0.470
33335	133	134.6	2012	Expl Geochem	H-split	MT-CO.pbl	0.310	4154.000	0.250	0.016	12.200	0.390
33336	134.6	135.85	2012	Expl Geochem	H-split	MT-Phy.fol	0.090	313.200	0.080	0.002	40.700	0.440
33337	135.85	138	2012	Expl Geochem	H-split	MT-CO.pbl	0.016	48.300	3.920	0.002	18.300	0.300
33338	138	139.8	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.003	11.100	0.050	0.002	14.600	0.380
33339	139.8	142	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	3.300	0.005	0.001	45.100	0.500
33340	142	144	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	9.900	0.070	0.001	41.500	0.540
33341	144	146	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	31.000	0.030	0.005	55.100	1.690
33342	146	148	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	30.700	0.110	0.005	60.300	1.810
33343	148	150	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	24.800	0.005	0.005	51.300	2.190
33344	150	152	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	27.300	0.040	0.004	43.500	1.160
33345	152	154	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	27.300	0.005	0.004	45.800	1.100
33346	154	156	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	21.400	0.070	0.004	52.300	1.180
33347	156	158	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	15.200	0.140	0.002	50.600	0.850
33348	158	160	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	20.400	0.150	0.003	49.600	0.780
33349	160	162	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	17.700	0.030	0.002	35.000	0.700
33350	162	164	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	25.800	0.090	0.004	52.900	1.220
33351	164	166	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	9.100	0.005	0.001	37.500	0.720
33352	166	168	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	20.200	0.005	0.003	39.300	0.960
33353	168	170.13	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	13.700	0.005	0.002	38.500	0.970
33354	170.13	172	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	22.100	0.050	0.002	59.600	0.750
33355	172	174	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	29.300	0.090	0.003	57.200	1.120
33356	174	176	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	20.400	0.340	0.003	46.700	0.880
33357	176	178	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	15.600	0.070	0.002	49.800	0.890
33358	178	180	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	28.100	0.070	0.003	49.600	1.260
33359	180	181.38	2012	Expl Geochem	H-split	MT-SS.fgr	0.003	0.100	0.005	0.000	15.200	0.350
33360	181.38	183	2012	Expl Geochem	H-split	MT-SS.fgr	0.003	4.100	0.010	0.001	35.500	0.710

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Main Zone **Hole ID:** 3A-12-038 **Logger:** LLM **Grant No.:** YD07124

Location

Easting:	Northing:	Latitude:	Longitude:
533811.4	6843870.4		

Elevation: 1526 m **Grid Name:** NA

Datum:	UTM Zone:	Grid N:	Grid E:
NAD83	9		

Orientation

Plunge: 60
Azimuth: 270
EOH: 192.0 m
Core Size: HQ

Start Date: 19/07/2012
Finish Date: 21/07/2012
Status: Completed
Contractor: Driftwood

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
12	61.9	272.4	5721	Reflex	1
63	61.8	267.7	57042	Reflex	1
120	63.2	266.5	57153	Reflex	1
171	64	269.7	57300	Reflex	1
192	64.3	268.1	57182	Reflex	1

Objective:

The objective of this hole is to test the down-dip extent of mineralisation discovered in 2011. The hole steps approximately 75m east and 25m north from 3A-11-020/020A to target the potential for high-grade mineralisation below the modeled high-grade shoot.

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	3		CASING		100.0%					
3	5	Weakly oxidized, broken core, small percentage of quartz veinlets	MT-Phy	fol	100.0%	n			co	0
5	6.25	Weakly oxidized, contains quartz sheet-like veinlets	MT-SLT	fgr	100.0%	gy			co	0
6.25	8.2	Weakly oxidized, gouge locally, contains tension veinlets	MT-Phy	fol	100.0%	n			co	2
8.2	11.2	Poorly sorted, moderately oxidized, contains sheet-like veins around 1 cm wide	MT-CO	pbl	100.0%	gy	qtz	60	co	0
11.2	11.6	Shows weak shearing zone, weakly oxidized with some siltstone layering	MT-Phy	fol	100.0%	n			co	2
11.6	13	Contains sheet-like quartz veining, from 1 to 7 cm wide	MT-SS	fgr	100.0%	gy			co	0
13	13.7	Very broken core, fault zone.	MT-Phy	fol	100.0%	n			co	2
13.7	17.65	Moderately oxidized, quartz SHVN	MT-CO	pbl	100.0%	gy	qtz	50	co	2
17.65	18.4	Small portion of siltstone intebedding, weak shear zone at the lower contact	MT-Phy	fol	100.0%	n			co	1
18.4	28	Moderately oxidized, broken core, general clay alteration	MT-CO	pbl	100.0%	gy	qtz	70	co	2
28	33	Locally Quartz SHVN, weak oxidation, partially broken core	MT-SS	fgr	100.0%	gy			br	2
33	36	Fault zone? Broken core, gouge locally, weakly oxidized	MT-CO	pbl	100.0%	gy	qtz	50	br	2
36	38	Mod-strongly oxidized, contains very low percentage of sheet-like veins	MT-SS	fgr	100.0%	gy			co	0
38	41	Moderately sorted, strongly oxidized, argillic alteration	MT-CO	pbl	100.0%	gy	qtz	60	co	0
41	41.92	Moderately oxidized, scarce sheet-like veinings	MT-SS	fgr	100.0%	gy			co	0
41.92	44.4	Moderately oxidized, contains 1 to 2 cm wide sheet-like veining	MT-CO	pbl	100.0%	gy	qtz	60	co	0
44.4	45.4	Moderately oxidized, scarce sheet-like veining about 1 to 3 cms wide	MT-SS	fgr	100.0%	gy			co	0
45.4	47.6	Moderately sorted, weakly oxidized, some quartz veins have vuggy texture	MT-CO	pbl	100.0%	gy	qtz	60	co	0
47.6	54.75	Grayish fine grained, whitish quartz SHVN locally 7cm thick, Staining Fe oxidized.	MT-SS	fgr	100.0%	gy			co	1
54.75	66.42	Phyllite clasts, quartz SHVN, limonite alteration, MT-SS interbed	MT-CO	pbl	95.0%	gy	qtz	80	co	2
66.42	67.22	Partially oxidized, siltstone interbed, faulted lower contact w/MT-CO	MT-Phy	frg	70.0%	n			co	1
67.22	70.29	Quartz SHVN partially 5cm thick, oxidizad along fractures	MT-CO	pbl	100.0%	gy	qtz	95	co	2
70.29	91.15	Silstone interbed, quartz SHVN, mineralization in fractures, gradual lower contact w/MT-SS	MT-Phy	fol	90.0%	n			co	2
91.15	92.1	Grayish, fine grained, at 91.70m whitish QZVN aprox. 45cm thick, sharped lower contact w/MT-Phy	MT-SS	fgr	100.0%	gy			co	1

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
92.1	92.45	Disseminated mineralization, fault zone, gradual lower contact w/MT-SS	MT-Phy	fol	100.0%	n			co	2
92.45	93.58	Fine grained, grayish, whitish quartz SHVN, partially 4cm thick, sharped lower contact w/MT-Phy	MT-SS	fgr	100.0%	gy			co	1
93.58	108.83	Quartz SHVN, broken core, unoxidized to weakly oxidized, faulted lower contact w/MT-SS	MT-Phy	fol	100.0%	n			fr	3
108.83	110.4	Very broken core, strong argillic alteration, fault zone	MT-SS	fgr	100.0%	gy			co	3
110.4	115.9	Massive QZVN, hosting asp, moderated oxidized, chloritic alteration, sharped lower contact w/MT-Phy	QZVN	qz	100.0%	w			co	2
115.9	119.35	Weakly sheared interval, weak chlorithic alteration	MT-Phy	fol	85.0%	n			co	2
115.9	119.35	Massive, white, adularia alteration?	QZVN	qz	15.0%	w			co	1
119.35	141.2	Contains sheet and stockwork-like veins, very fined grained matrix, VG from 135.00 to 141.00m	MT-SS	fgr	80.0%	gy			co	0
119.35	141.2	Possible adularia alteration, 1 to 18 cms in width	QZVN	qz	20.0%	w			co	0
141.2	144.8	Fault zone, gouge, strongly argillic altered	MT-Phy	fol	100.0%	n			br	3
144.8	165.35	Interbedding sequences (turbiditic), 0.4 mm to 1.30m layers	MT-SS	fgr	80.0%	gy			co	0
144.8	165.35	Contains some weak sheared zones, TVA (Quartz)	MT-Phy	fol	20.0%	n			co	2
165.35	192	Contains interbedding layers of siltstone and sandstone, weakly sheared locally	MT-Phy	fol	100.0%	n			co	2

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
0	6.25		cy	1	frac	m
7	8.2		chl	1	frac	g
8.2	11.2		LIM	2	frac	o
11.2	11.6		chl	1	fol	g
11.2	17.65		cy	1	frac	m
17.65	18.4		chl	1	frac	g
18.4	47		cy	1	frac	m
54.75	56.3	Alteration on feldspard grains.	ARG	1	diss	o
57.79	66.42	Alteration on feldspard garins.	POT	1	diss	g
69	70.29	Sorted feldspard pebbles showing the alteration	ARG	2	smgr	w
70.29	103.9		gph	1	diss	n
103.9	108.83		ARG	3	gouge	gy
108.83	110.2		ARG	3	gouge	bf
110.2	115.9		SCOR	1	frac	g
115.9	119.35		chl	1	frac	g
119.35	141.2		SIL	2.5	vn	w
141.2	144.8	Fault zone	ARG	2	gouge	gy
144.8	165.35		SIL	2	vn	w
165.35	192		gph	2	frac	n

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
6.25	8.2	FZ	200.0%	DBSZ	
13	13.7	FZ	300.0%	BFZ	
20.65	20.8	FZ	200.0%	BFZ	
28.05	29	FZ	300.0%	BFZ	
34	35.95	FZ	300.0%	BFZ	
38.69	38.74	FZ	200.0%	BFZ	
66.42	66.94	FZ	200.0%	CSZ	
70.29	70.89	FZ	200.0%	DSZ	
72.1	72.3	FZ	200.0%	BFZ	
75.7	75.9	SZ	200.0%	DSZ	
79.85	80.05	FZ	200.0%	BFZ	
81.5	81.95	FZ	200.0%	BFZ	
82.2	82.3	FZ	200.0%	gg	
84.35	87.3	FZ	200.0%	BFZ	
90	90.66	FZ	200.0%	BFZ	
92.15	92.55	SZ	200.0%	BFZ	Gouge locally
93.85	94.45	SZ	100.0%	DSZ	
96.47	98	FZ	200.0%	BFZ	Gouge locally
98.6	99.05	FZ	200.0%	BFZ	Gouge locally
99.05	100.22	BRC	200.0%	CSZ	
101.5	101.7	FZ	200.0%	gg	
103.9	110.4	FZ	300.0%	gg	
110.4	115.9	QZVN	300.0%	SHTV	Mineralized w/asp, py
115.9	119.35	SZ	100.0%	DSZ	TVA
118.72	118.92	QZVN	300.0%	SHTV	Mineralized w/asp, py
119.7	120.4	QZVN	300.0%	SHTV	Mineralized w/asp, py
141.2	144.8	FZ	300.0%	gg	
148.7	149.1	FZ	200.0%	BFZ	
165.9	166.3	FZ	200.0%	BFZ	
174	174.87	FZ	200.0%	BFZ	Locally gouge
180.87	180.97	FZ	300.0%	gg	
181.6	182	SZ	200.0%	DSZ	
185	185.3	SZ	200.0%	DSZ	

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
0	3	Casing			
15	18	Small cubic Py crystal	py	0.0001	diss
27	30	Cubic	py	0.0001	diss
30	33		asp	0.0001	diss
42	45	Cubic	py	0.0001	diss
51	54	Cubic	py	0.0002	diss
54	57	oxidized	py	0.0005	diss
54	57		asp	0.0002	diss
57	60		asp	0.0002	diss
57	60		py	0.0005	diss
60	63		py	0.0007	diss
60	63		asp	0.0002	diss
63	66		asp	0.0003	diss
63	66		py	0.0002	diss
66	69		py	0.005	diss
66	69		asp	0.0002	diss
69	72		py	0.01	diss
72	75		py	0.02	frac
75	78		py	0.01	vn
78	81		py	0.005	vn
81	84		py	0.003	vn
87	90		py	0.002	vn
90	93		asp	0.0002	diss
90	93		py	0.005	vn
93	96		py	0.005	vn
99	102		py	0.005	vn
102	105		py	0.005	vn
105	108	Fault zone	py	0.003	diss
108	111		asp	0.005	frac
108	111	Fault zone	py	0.03	diss
111	114		asp	0.0005	vn
114	117		py	0.01	diss
114	117		asp	0.002	diss
117	120	adularia alteration on veins, vuggy texture	py	0.005	diss
120	123	vuggy	asp/py	0.01	vn
123	126		py	0.01	diss
123	126		asp	0.005	diss
126	129		py	0.01	diss
129	132		py	0.00005	diss

From:	To:	Comments	Mineral	Percent	Distribution
132	135		py	0.005	diss
135	138		py	0.005	diss
135	138	Visible gold, flake shape on both sandstone fracture and white qtz veing	Au	0.002	diss
135	138		asp	0.02	diss
138	141		asp	0.02	diss
138	141	cubic	py	0.01	diss
138	141	Visible gold, flake on white quartz vein	Au	0.001	diss
141	144		py	0.0001	diss
144	147		asp	0.0001	diss
144	147		py	0.005	frac
147	150	Locally massive mineralization	py	0.01	vn
147	150		asp	0.001	diss
150	153	Py along bedding	py	0.005	vn
153	156		py	0.001	diss
156	159		py	0.0005	diss
159	162	Py along bedding	py	0.001	frac
162	165		py	0.0001	diss
165	168		py	0.0001	diss
168	171		py	0.01	frac
171	174	Locally strong mieralization in shear zone	py	0.01	frac
174	177	Py along bedding	py	0.005	frac
177	180	Locally mod. Mineralization in shear zone	py	0.005	diss
180	183		py	0.01	frac
183	186		py	0.015	vn
186	189		py	0.003	diss
189	192	EOH	py	0.0002	Diss

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
3.5	Foliation	4	S1		FOL	25			
5.5	Veins	38		qtz	Veinlets	70			
5.95	Fractures	16	Sx			50	48		
6.25	Contact				FOL	65			Sharp
6.55	Veins	38		qtz	Veinlets	55			
8.9	Fractures	38				55	216		
10.2	Fractures					55			
11.2	Contact					35			Sharp/ phyllite
11.6	Contact					35			Sharp/ phyllite
11.9	Veins			qtz	Veinlets	50	100		
12.3	Fractures					45	258		
15.47	Veins			qtz	Veinlets	40	320		
17.2	Veins			qtz	Veinlets	55	150		
17.65	Contact					45	70		Sharp/ phyllite
18.24	Veins			qtz	Veinlets	60	80		
21	Fractures					40			
21.85	Fractures					70			
24.4	Veins			qtz	Veinlets	35			
27.5	Veins			qtz	Veinlets	50	130		
29.2	Veins			qtz	Veinlets	35	140		
30.8	Veins			qtz	SHTV	70			
35.5	Faults				Gouge	70			
41	Contact					60			
41.75	Bedding					70	134		
42.5	Veins			qtz	SHTV	45	137		
44.15	Veins			qtz	SHTV	70			
46.75	Veins			qtz	SHTV	55			
47.5	Veins			qtz	Veinlets	45			
48.4	Fractures					30			Limonite infilling fracture
50.4	Veins			qtz	SHTV	40			2cm wide
52.05	Veins			qtz	SHTV	60	120		7cm wide, vuggy texture
52.45	Fractures					60	180		
52.75	Fractures					60	206		
53.4	Fractures					60	230		
54.4	Fractures					50			
55.2	Veins			qtz	Veinlets	50			
56.9	Fractures					20	206		
57.75	Veins			qtz	SHTV	35	66		2cm wide
59.9	Fractures					40	350		

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
60.2	Veins			qtz	SHTV	45	170		
62.4	Veins			qtz	SHTV	30			
64.4	Fractures					20			
65.8	Fractures					40	290		
67	Bedding		So			75			Siltstone interbedding w/phyllite
71.3	Bedding		So			50	68		Siltstone interbedding w/phyllite
72.15	Faults					50	310		Gouge
73.16	Veins			qtz	SHTV	40			2cm wide
75.31	Foliation		S1			45			
77.45	Veins			qtz	SHTV	65			
79.58	Bedding		So			35			Siltstone interbedding w/phyllite
82.05	Veins			qtz	SHTV	60			
83	Foliation		S1			45			
83.9	Veins			qtz	SHTV	60			
88.2	Veins			qtz	SHTV	35			
92.12	Veins			qtz	SHTV	30			25cm wide
92.3	Foliation		S1			45	58		
92.9	Fractures					55	234		
93.45	Veins			qtz	SHTV	45	110		3cm wide
94.63	Foliation		S1			40			
95.9	Foliation		S1			40			
98.3	Foliation		S1			55			
99.85	Veins			qtz	Veinlets	55			
101.75	Faults					55	40		gouge
102.3	Foliation		S1			70	54		
103.6	Veins			qtz	Veinlets	20	166		
105.38	Veins			qtz	SHTV	65			
110.15	Fractures					70			
111	Fractures					80			
113	Fractures					60			
113.9	Faults					55			Infilling with asp
114	Bedding		So			45	50		
114.1	Fractures					50	220		
114.23	Fractures					50	344		
115.1	Veins			qtz	Veinlets	60			
115.5	Fractures					40	220		
115.9	Contact					70	80		MT-SS/MT-Phy
116.48	Fold axes					15	316		Dome and basin pattern, hinge line N140
116.85	Veins			qtz	Veinlets	65	80		

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
117.42	Faults	28				50	342		
117.9	Veins			qtz	SHTV	60	40		
118.5	Bedding		So			90	80		
119.35	Contact					40	100		MT-Phy/MT-SS
119.7	Fractures					35	280		
120.1	Fractures					40	90		
120.62	Bedding		So			65			
121.56	Fractures					40			
122.8	Veins			qtz	SHTV	40	96		
123.25	Fractures					40	258		
124.5	Bedding					50			
126.17	Veins			qtz	SHTV	55			Adularia alteration
127.9	Veins			qtz	SHTV	65			
128.55	Fractures					60	40		
128.9	Fractures					65	204		
129.36	Veins			qtz	SHTV	70			
131.95	Veins			qtz	SHTV	75	230		
132.08	Veins			qtz	SHTV	24	65		
134	Veins			qtz	SHTV	35	260		
134.5	Veins			qtz	SHTV	30	270		
135.35	Veins			qtz	STWK	70	100		
136.06	Veins			qtz	SHTV	60			
136.32	Veins			qtz	STWK	50			
136.65	Veins			qtz	Veinlets	70	248		
137.24	Veins			qtz	SHTV	90	350		
137.8	Veins			qtz	Veinlets	55	208		
138.32	Faults	78				30	308		
138.96	Veins			qtz	STWK	55	44		
140.9	Fractures					40			
144.8	Contact					50			Faulted contact MT-Phy/MT-SS
149.9	Bedding		So			60			
150.87	Foliation		S1			65			
153.57	Bedding		So			65	354		
154.2	Bedding		So			70	0		
156.36	Veins			qtz	SHTV	60	210		
157.95	Veins			qtz	STWK	60			
159.7	Bedding					55			
162	Foliation		S1			80	0		
163.2	Veins			qtz	SHTV	70			

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
167	Foliation		S1			70			
169.64	Fold axes					10			Dome and basin pattern
171.6	Foliation		S1			70			
173.9	Foliation		S1			70			
176.5	Foliation		S1			70	20		
179.85	Foliation		S1			70	234		
182.45	Foliation		S1			80	260		
183.05	Foliation		S1			90	250		
184.05	Foliation		S1			75			
185.95	Foliation		S1			90	44		
188.95	Foliation		S1			80	44		
189.42	Foliation		S1			75	60		
190.9	Veins			qtz	Veinlets	65	60		
191.95	Foliation		S1			75	28		

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33361	3	5	2012	Expl Geochem	H-split	MT-Phy	0.003	26.900	0.240	0.002	58.100	0.390
33362	5	6.25	2012	Expl Geochem	H-split	MT-SLT	0.003	25.100	0.220	0.002	31.200	0.490
33363	6.25	8.2	2012	Expl Geochem	H-split	MT-Phy	0.023	75.700	0.260	0.006	138.900	0.930
33364	8.2	9.7	2012	Expl Geochem	H-split	MT-CO.pbl	0.188	316.100	0.650	0.009	85.200	0.480
33365	8.2	9.7	2012	STND	CDN-1P5f	MT-CO.pbl	1.369	14.000	0.300	0.001	45.200	9.700
33366	8.2	9.7	2012	DUP	Q-Split	MT-CO.pbl	0.133	393.400	1.000	0.004	43.900	0.520
33367	9.7	11.2	2012	Expl Geochem	H-split	MT-CO.pbl	0.328	618.700	0.250	0.001	14.300	0.560
33368	11.2	11.6	2012	Expl Geochem	H-split	MT-Phy	0.016	176.600	0.120	0.002	51.300	0.650
33369	11.6	13	2012	Expl Geochem	H-split	MT-SS.fgr	0.005	103.200	0.320	0.002	21.100	0.440
33370	13	13.7	2012	Expl Geochem	H-split	MT-Phy.FZ	6.793	729.400	0.380	0.003	35.100	0.650
33371	13.7	15	2012	Expl Geochem	H-split	MT-CO.pbl	0.073	351.100	0.180	0.002	10.800	0.480
33372	15	16.5	2012	Expl Geochem	H-split	MT-CO.pbl	0.040	207.600	0.180	0.001	19.700	0.510
33373	16.5	17.65	2012	Expl Geochem	H-split	MT-CO.pbl	0.011	99.000	0.080	0.001	17.300	0.420
33374	17.65	18.4	2012	Expl Geochem	H-split	MT-CO.pbl	0.249	177.200	0.220	0.002	59.800	0.550
33375	18.4	20.4	2012	Expl Geochem	H-split	MT-CO.pbl	0.011	337.700	0.150	0.002	16.400	0.400
33376	20.4	22.4	2012	Expl Geochem	H-split	MT-CO.pbl	0.027	234.900	0.520	0.004	10.800	0.410
33377	22.4	24.4	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	70.100	0.060	0.002	8.000	0.450
33378	24.4	26.4	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	74.200	0.100	0.001	9.400	0.500
33379	26.4	28	2012	Expl Geochem	H-split	MT-CO.pbl	0.051	80.000	0.170	0.001	6.800	0.410
33380	28	29.5	2012	Expl Geochem	H-split	MT-SS.fgr	0.003	84.800	0.150	0.001	6.600	0.350
33381	29.5	31	2012	Expl Geochem	H-split	MT-SS.fgr	0.003	78.700	0.030	0.002	7.000	0.340

Project: NTR3A **Prospect:** Main Zone **Hole ID:** 3A-12-038 **Grant No.:** YD07124

Plunge: 60 **Azimuth:** 270 **EOH:** 192

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33382	31	33	2012	Expl Geochem	H-split	MT-SS.fgr	0.076	115.300	0.340	0.001	7.700	0.390
33383	33	34.5	2012	Expl Geochem	H-split	MT-CO.pbl.FZ	0.040	61.500	0.170	0.001	7.300	0.370
33384	34.5	36	2012	Expl Geochem	H-split	MT-CO.pbl.FZ	0.079	153.700	0.320	0.001	15.100	0.420
33385	36	38	2012	Expl Geochem	H-split	MT-SS.fgr	0.003	44.700	0.005	0.001	8.500	0.320
33386	38	39.5	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	145.600	0.060	0.001	5.600	0.480
33387	39.5	41	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	139.300	0.050	0.001	3.600	0.580
33388	41	41.92	2012	Expl Geochem	H-split	MT-SS.fgr	0.014	133.700	0.600	0.001	6.800	0.360
33389	41.92	43.32	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	36.000	0.005	0.001	6.700	0.370
33390	43.32	44.4	2012	Expl Geochem	H-split	MT-CO.pbl	0.017	68.300	0.005	0.001	4.600	0.350
33391	44.4	45.4	2012	Expl Geochem	H-split	MT-SS.fgr	0.158	205.900	0.550	0.001	4.900	0.360
33392	45.4	46.5	2012	Expl Geochem	H-split	MT-CO.pbl	0.090	121.200	0.005	0.001	4.500	0.440
33393	46.5	47.6	2012	Expl Geochem	H-split	MT-CO.pbl	0.006	63.100	0.010	0.001	4.700	0.440
33394	47.6	49.3	2012	Expl Geochem	H-split	MT-SS.fgr	0.083	138.800	0.260	0.001	7.400	0.360
33395	49.3	51.3	2012	Expl Geochem	H-split	MT-SS	0.052	176.900	0.130	0.001	7.600	0.390
33396	51.3	53.3	2012	Expl Geochem	H-split	MT-SS.fgr	0.370	134.900	0.080	0.001	8.800	0.370
33397	53.3	54.75	2012	Expl Geochem	H-split	MT-SS.fgr	0.550	573.700	0.130	0.002	9.200	0.420
33398	54.75	56.75	2012	Expl Geochem	H-split	MT-CO.pbl	0.310	354.600	0.110	0.001	8.200	0.440
33399	56.75	58.75	2012	Expl Geochem	H-split	MT-CO.pbl	1.690	380.800	0.320	0.002	7.800	0.430
33400	58.75	60.75	2012	Expl Geochem	H-split	MT-CO.pbl	0.190	210.300	0.140	0.002	10.000	0.390
33401	58.75	60.75	2012	Blank	LWS_2011	MT-CO.pbl	0.003	1.000	0.200	0.000	3.700	0.440
33402	58.75	60.75	2012	DUP	Q-Split	MT-CO.pbl	0.057	200.300	0.240	0.001	8.100	0.420
33403	60.75	62.75	2012	Expl Geochem	H-split	MT-CO.pbl	0.600	688.400	0.090	0.001	7.600	0.390
33404	62.75	64.75	2012	Expl Geochem	H-split	MT-CO.pbl	0.310	481.100	0.110	0.001	8.000	0.390
33405	64.75	66.42	2012	Expl Geochem	H-split	MT-CO.pbl	0.350	387.300	0.080	0.001	8.900	0.400
33406	66.42	67.22	2012	Expl Geochem	H-split	MT-Phy	0.020	84.600	0.250	0.000	51.000	0.490
33407	67.22	69	2012	Expl Geochem	H-split	MT-CO.pbl	0.150	335.200	0.170	0.001	21.300	0.410
33408	69	70.29	2012	Expl Geochem	H-split	MT-CO.pbl	0.240	1272.800	0.220	0.006	13.500	0.560
33409	70.29	72.29	2012	Expl Geochem	H-split	MT-Phy	0.067	87.300	0.240	0.001	51.900	0.800
33410	72.29	74.29	2012	Expl Geochem	H-split	MT-Phy	0.054	75.100	0.340	0.002	64.700	0.930
33411	74.29	76.29	2012	Expl Geochem	H-split	MT-Phy	0.038	75.900	0.250	0.004	55.400	0.630
33412	76.29	78.29	2012	Expl Geochem	H-split	MT-Phy.fol	0.029	45.200	0.180	0.001	51.000	0.630
33413	78.29	80.29	2012	Expl Geochem	H-split	MT-phy	0.011	43.500	0.130	0.002	51.000	0.620
33414	80.29	82.29	2012	Expl Geochem	H-split	MT-Phy	0.007	37.000	0.110	0.003	55.100	0.810
33415	82.29	84.29	2012	Expl Geochem	H-split	MT-Phy	0.006	39.600	0.140	0.003	55.500	0.580
33416	84.29	86.29	2012	Expl Geochem	H-split	MT-Phy	0.006	37.600	0.110	0.003	63.300	0.560
33417	86.29	88.29	2012	Expl Geochem	H-split	MT-Phy	0.003	29.500	0.140	0.002	52.000	0.430
33418	88.29	90.29	2012	Expl Geochem	H-split	MT-Phy	0.006	37.700	0.200	0.002	58.600	0.830

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Main Zone	Hole ID:	3A-12-038	Grant No.:	YD07124
	Plunge:	Azimuth:	EOH:				
	60	270	192				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33419	90.29	91.15	2012	Expl Geochem	H-split	MT-Phy	0.003	37.700	0.190	0.002	67.900	0.670
33420	91.15	92.1	2012	Expl Geochem	H-split	MT-SS.fgr	0.003	3.900	0.030	0.000	10.200	0.420
33421	92.1	93.58	2012	Expl Geochem	H-split	MT-SS.fgr	0.003	16.300	0.050	0.001	32.500	0.520
33422	93.58	95.58	2012	Expl Geochem	H-split	MT-Phy	0.003	37.600	0.150	0.003	60.300	1.030
33423	95.58	97.58	2012	Expl Geochem	H-split	MT-Phy	0.003	32.700	0.110	0.001	52.200	0.700
33424	97.58	99.58	2012	Expl Geochem	H-split	MT-Phy	0.007	26.900	0.060	0.001	47.300	0.670
33425	99.58	101.58	2012	Expl Geochem	H-split	MT-Phy	0.003	28.600	0.070	0.001	52.400	0.540
33426	101.58	102.78	2012	Expl Geochem	H-split	MT-Phy	0.003	29.900	0.120	0.001	52.600	0.510
33427	102.78	103.9	2012	Expl Geochem	H-split	MT-Phy	0.008	46.000	0.180	0.002	58.000	0.620
33428	103.9	105.5	2012	Expl Geochem	H-split	MT-Phy	0.036	101.900	0.005	0.003	49.200	0.640
33429	105.5	107.5	2012	Expl Geochem	H-split	MT-Phy.FZ	0.028	119.600	0.100	0.003	51.300	0.690
33430	107.5	108.83	2012	Expl Geochem	H-split	MT-Phy.FZ	1.550	447.900	7.600	0.097	68.000	0.920
33431	108.83	110.4	2012	Expl Geochem	H-split	MT-SS.fgr.FZ	0.260	629.900	0.400	0.007	17.400	0.430
33432	110.4	112.4	2012	Expl Geochem	H-split	QZVN	2.540	1868.600	0.005	0.007	7.900	0.770
33433	112.4	114	2012	Expl Geochem	H-split	QZVN	0.230	2674.200	0.005	0.006	13.800	0.480
33434	114	115.9	2012	Expl Geochem	H-split	QZVN	0.180	916.400	0.005	0.004	21.100	0.570
33435	115.9	117.2	2012	Expl Geochem	H-split	MT-Phy	0.010	122.800	0.005	0.003	82.600	0.530
33436	117.2	118.35	2012	Expl Geochem	H-split	MT-Phy	0.020	82.300	0.005	0.002	49.200	0.590
33437	118.35	119.35	2012	Expl Geochem	H-split	MT-Phy	0.410	870.900	0.005	0.005	32.700	0.490
33438	119.35	120.4	2012	Expl Geochem	H-split	MT-SS	0.020	180.000	0.005	0.002	9.000	0.530
33439	120.4	121.4	2012	Expl Geochem	H-split	MT-SS	0.030	477.300	0.005	0.004	7.900	0.450
33442	121.4	122.4	2012	DUP	Q-Split	MT-SS	0.042	578.600	0.005	0.020	10.200	0.520
33441	121.4	122.4	2012	STND	CDN-1P5f	MT-SS	1.405	19.600	0.200	0.001	51.700	9.730
33440	121.4	122.4	2012	Expl Geochem	H-split	MT-SS	0.050	752.600	0.200	0.021	11.500	0.620
33443	122.4	123.4	2012	Expl Geochem	H-split	MT-SS	0.160	4077.500	0.100	0.026	13.000	0.720
33444	123.4	124.4	2012	Expl Geochem	H-split	MT-SS	0.250	1433.900	0.400	0.011	18.200	0.470
33445	124.4	125.4	2012	Expl Geochem	H-split	MT-SS	0.020	81.300	0.100	0.016	17.300	0.610
33446	125.4	126.4	2012	Expl Geochem	H-split	MT-SS	0.020	161.300	0.005	0.011	15.500	0.670
33447	126.4	127.4	2012	Expl Geochem	H-split	MT-SS	0.010	227.300	0.005	0.001	25.500	0.540
33448	127.4	128.4	2012	Expl Geochem	H-split	MT-SS	0.110	355.200	0.005	0.001	12.900	0.510
33449	128.4	129.4	2012	Expl Geochem	H-split	MT-SS	0.060	272.100	0.005	0.002	12.200	0.500
33450	129.4	130.4	2012	Expl Geochem	H-split	MT-SS	0.060	913.500	0.500	0.018	9.800	0.460
33451	130.4	131.4	2012	Expl Geochem	H-split	MT-SS	0.010	57.900	0.005	0.001	5.800	0.470
33452	131.4	132.4	2012	Expl Geochem	H-split	MT-SS	0.120	928.000	0.200	0.010	8.600	0.450
33453	132.4	133.4	2012	Expl Geochem	H-split	MT-SS	0.020	285.900	0.005	0.001	5.700	0.450
33454	133.4	134.4	2012	Expl Geochem	H-split	MT-SS	0.020	704.500	0.005	0.001	5.800	0.470
33455	134.4	135.4	2012	Expl Geochem	H-split	MT-SS	0.050	1338.800	0.005	0.001	13.500	0.520

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Main Zone	Hole ID:	3A-12-038	Grant No.:	YD07124
	Plunge:	Azimuth:	EOH:				
	60	270	192				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33456	135.4	136.4	2012	Expl Geochem	H-split	MT-SS.VG	8.300	7548.100	0.005	0.001	11.400	0.570
33457	136.4	137.4	2012	Expl Geochem	H-split	MT-SS	0.730	4468.700	0.005	0.001	12.600	0.510
33458	137.4	138.4	2012	Expl Geochem	H-split	MT-SS	0.200	1750.900	0.005	0.001	9.400	0.410
33459	137.4	138.4	2012	Blank	LWS_2011	MT-SS	0.003	4.100	0.005	0.000	3.500	0.080
33460	138.4	139.4	2012	Expl Geochem	H-split	MT-SS.VG	1.720	703.400	0.005	0.002	23.700	0.420
33461	139.4	140.4	2012	Expl Geochem	H-split	MT-SS	2.780	1962.000	0.005	0.001	17.200	0.640
33462	140.4	141.2	2012	Expl Geochem	H-split	MT-SS	20.410	1609.600	0.900	0.006	5.900	0.490
33463	141.2	144	2012	Expl Geochem	H-split	MT-Phy.FZ	0.420	669.500	0.005	0.002	58.500	0.570
33464	144	144.8	2012	Expl Geochem	H-split	Mt-Phy.FZ	0.230	546.700	0.005	0.003	59.900	0.840
33465	144.8	146.8	2012	Expl Geochem	H-split	MT-SS	0.180	929.100	0.005	0.007	11.600	0.460
33466	146.8	148.8	2012	Expl Geochem	H-split	MT-SS	0.030	1243.400	0.005	0.006	9.600	0.500
33467	148.8	150.8	2012	Expl Geochem	H-split	MT-SS	0.075	62.900	0.005	0.002	25.800	0.540
33468	150.8	152.8	2012	Expl Geochem	H-split	MT-SS	0.011	31.400	0.200	0.003	40.300	0.700
33469	152.8	154.8	2012	Expl Geochem	H-split	MT-SS	0.007	28.600	0.400	0.003	46.600	0.480
33470	154.8	156.8	2012	Expl Geochem	H-split	MT-SS	0.003	11.900	0.005	0.002	27.600	0.530
33471	156.8	158.8	2012	Expl Geochem	H-split	MT-SS	0.003	9.200	0.100	0.001	16.000	0.460
33472	158.8	160.8	2012	Expl Geochem	H-split	MT-SS	0.003	8.600	0.005	0.003	51.300	0.530
33473	160.8	162.8	2012	Expl Geochem	H-split	MT-SS	0.003	11.000	0.005	0.003	52.000	0.460
33474	162.8	164	2012	Expl Geochem	H-split	MT-SS	0.003	6.500	0.005	0.001	14.200	0.430
33475	164	165.35	2012	Expl Geochem	H-split	MT-SS	0.003	14.800	0.100	0.001	45.200	0.470
33476	165.35	167.35	2012	Expl Geochem	H-split	MT-Phy	0.003	15.100	0.005	0.001	43.700	0.530
33477	167.35	169.35	2012	Expl Geochem	H-split	MT-phy	0.015	30.700	0.080	0.003	51.600	1.090
33478	167.35	169.35	2012	DUP	Q-Split	MT-Phy	0.013	34.600	0.050	0.002	55.400	1.060
33479	167.35	169.35	2012	Blank	LWS_2011	MT-phy	0.003	42.200	0.170	0.000	2.300	0.110
33480	169.35	171.35	2012	Expl Geochem	H-split	MT-Phy	0.032	50.600	0.110	0.006	50.500	2.470
33481	171.35	173.35	2012	Expl Geochem	H-split	MT-Phy	0.003	35.800	0.050	0.004	45.300	1.530
33482	173.35	175.35	2012	Expl Geochem	H-split	MT-Phy	0.008	47.800	0.140	0.005	50.500	1.980
33483	175.35	177.35	2012	Expl Geochem	H-split	MT-Phy	0.003	49.500	0.040	0.006	51.900	2.080
33484	177.35	179.35	2012	Expl Geochem	H-split	MT-Phy	0.006	51.100	0.090	0.005	51.000	1.290
33485	179.35	181.35	2012	Expl Geochem	H-split	MT-Phy	0.062	64.800	0.030	0.003	45.000	0.970
33486	181.35	183.35	2012	Expl Geochem	H-split	MT-Phy	0.529	146.500	0.370	0.002	44.300	0.850
33487	183.35	185.35	2012	Expl Geochem	H-split	MT-Phy	0.698	72.800	0.290	0.003	52.200	0.860
33488	185.35	187.35	2012	Expl Geochem	H-split	MT-Phy	0.015	36.700	0.080	0.002	46.600	0.510
33489	187.35	189.35	2012	Expl Geochem	H-split	MT-Phy	0.007	27.700	0.230	0.003	54.700	0.580
33490	189.35	190.65	2012	Expl Geochem	H-split	MT-Phy	0.008	22.400	0.200	0.003	48.000	0.600
33491	190.65	192	2012	Expl Geochem	H-split	MT-Phy	0.003	18.200	0.070	0.003	57.600	0.660

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Main Zone **Hole ID:** 3A-12-039 **Logger:** LLM **Grant No.:** YC72728

Location				Orientation		
Easting:	**Northing:**	**Latitude:**	**Longitude:**	**Plunge:** 50	**Start Date:** 21/07/2012	
533685.5	6844086.9			**Azimuth:** 270	**Finish Date:** 25/05/2012	
Elevation:	1556 m	**Grid Name:**		**EOH:** 231.0 m	**Status:** Completed	
Datum:	**UTM Zone:**	**Grid N:**	**Grid E:**	**Core Size:** HQ	**Contractor:** Driftwood	
NAD83	9					

Objective:
The objective is to test the nothern extent of the Main Zone Fault, west of the ridge. This hole follows up on Au mineralisation in 3A-11-035 (50 m to the south) and 3A-11-014 (100 m to the south).

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
12	49.1	373.4	43775	Reflex	3
63	49.4	276.1	57534	Reflex	1
114	51.6	277	57820	Reflex	1
168	53.1	275.4	57087	Reflex	1
219	53.3	275.1	57562	Reflex	1

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	4.2	no core recovered	CASING		100.0%					
4.2	123.3	fgr, graphitic, well foliated blk phy with thin grey laminar silt stone interbedding. Unit shows lots of poor recovery runs and is mostly blocky, gouge, and crushed throughout. Very small amount of competent core. Lower contact is gouged and sharp with sandstone unit below. Shows evidence of brecciation	MT-Phy	fgr	90.0%	n			br	2
4.2	123.3	vfgr, grey laminar siltstone interbeds. Form along composition bedding of the phy unit.	MT-SLT	fgr	8.0%	g			br	1
4.2	123.3	Frac, predominantly chl and cal altered. No mineralization.	QZVN	frac	2.0%	w			br	2
123.3	125.25	grey silicified sandstone interbedded with phy gg. Upper contact is shapr and planar. Lower contact is gouged, sharp and planar with brecciated phy gg unit below. Upper portion of unit (~1m) is blocky and contains little qtz veining.	MT-SS	mgr	95.0%	g			br	1
123.3	125.25	phy gouge interbed is silicified with pyrites, upper and lower contacts of interbeds are sharp and planar.	MT-Phy	fgr	3.0%	n			br	1
123.3	125.25	qtz vein fragments in upper 1m of sandstone unit. Bull qtz	QZVN	frac	2.0%	w			br	1
125.25	126.83	graphitic, well foliated phyillte gouge that is brecciated throughout. Lower portion of unit is fairly competent and has qtz veining that is chl altered. Shows disseminated py mineralization throughout. Upper and lower contact is gouged, sharp and planar.	MT-Phy	fgr	97.0%	n			fr	3
125.25	126.83	at lower contact of phy unit features deformed sandstone clasts.	MT-SS	mgr	5.0%	g			fr	1
125.25	126.83	SHTV (mostly fragments) and Vnlets in lower portion of phy unit. Moderatly chlorite altered. No mineralizaiton	QZVN	frag	2.0%	w			fr	1
126.83	127.7	fgr, grey sandstone that shows disseminated py throughout. Evidence of faulting showing displacement in SHTV throughout unit. Upper contact is sharp and brecciated showing ANK alteration within sandstone clasts. Lower contact is gradational and bounded with QPC. Contains clay altered feldspars and pebble sized phyllite lithic fragments . Little qtz veining throughout.	MT-SS	mgr	99.0%	g			fr	2

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
126.83	127.7	thin SHTV throughout unit. Vuggy with clay infill	QZVN	frac	1.0%	w			fr	1
127.7	140.75	grey, clast supported, hydro thermally altered QPC. Majority of unit is weak and friable with a gouge like texture. Sericite alteration throughout unit. Clay SGMR of feldspars. Very soft Kaolinite alteration that infills cavities and/or replaces feldspars. Instense sulphide mineralization (mostly py, little asp) and kaolinite suggests Marginal argillic zone??? Lower ~2m portion of unit is most competent showing zones of aligned but disjuncted STWK qtz veining. Upper contact is gradational. Lower contact is sharp bounded by a lower phyllite unit. Composition: 83% subangular qtz clasts, 15% white clay/kaolinte altered feldspars, 2% lithics	MT-CO	pbl	92.0%	g	qtz	83	lc	2
127.7	140.75	STWK, SHTV, Vnlets. Intensly fragmented SHTV in majority of unit. STWK in lower 1m of unit.	QZVN	frac	7.0%	w			lc	1
127.7	140.75	thin phy lense within QPC. Vfgr, black.	MT-Phy	fgr	1.0%	n			lc	1
140.75	185.67	fgr, well foliated, graphitic phyllite with well developed S1 in more competent core. Interbedded with vfgr siltstone that shows parasitic folding in upper 20m of unit. Partially broken and friable with multiple GG zones in upper ~25m that often show brecciated boundaries. Unit shows strong chlorite alteration associated with veining and fractures. Some areas shows penatrative wedge-like features that is dominated by chlorite Upper contact is a fault contact. Lower contact is also a fault contact bounded by a lower QPC unit.	MT-Phy	fgr	95.0%	n			co	1
140.75	185.67	interbedded grey finegrained siltstone. Interbeds have variable thicknesses from 1-50mm. Thicker interbed tend to be isolated to lower portion of unit.	MT-SLT	fgr	4.0%	g			co	1
140.75	185.67	SHTV, Vnlets, FltVns. Microfractured, and partially vuggy with chlorite alteration. Partial clay infill of vugs.	QZVN	frac	1.0%	w			co	1
185.67	221.74	Grey silicified clast supported QPC with gradational sequences. Mineralized mostly with pyrite but shows moderate asp, tr galena, and tr sphalerite mineralization. Intensely fragmented and gouged from 207.25-212.06m (hydrothemal alteration). Upper portion of unit has a 2m qtz vein that is largerly fragmented and fractured. No mineralization. Upper contact is fragmented and fault gouged where lower contact is sharp but also fault gouge related with a underlying siltstone unit. Composition: 90% qtz, 8% cy-SMGR altered fspar, 2% lithics	MT-CO	pbl	65.0%	g	qtz	90	co	2
185.67	221.74	Grey silicified sandstone containing ~8% cy SMGR alteration of fspar. Interbedded within a QPC dominated unit. Shows very thin (~1mm) dark grey whispy seams with 10-25mm spacing. Dominatly shows a gradational upper contact with a sharp lower contact that is underlain with another QPC gradational sequence.	MT-SS	mgr	30.0%	g			co	1
185.67	221.74	SHTV, Vnlets, Massive vein. No mineraliziton within any of the veins.	QZVN	frac	4.0%	w			co	1
185.67	221.74	fgr well foliated graphitic blk phyllite interbeds (x2 through dominating QPC unit). Upper and lower contact are fault gouged. Phy is interbedded with ~3% siltstone.	MT-Phy	fgr	1.0%	n			co	3
221.74	225.7	fgr silicified interbedded sequence of fgr phy, siltstone, and sandstone. Dominated by siltstone with thin (~1mm) dark grey whispy laminations. Unit is too fine grained to tell what the exact composition is. Upper contact is sharp and fault gouged. Lower contact is sharp and planar.	MT-SLT	fgr	60.0%	g			co	1

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
221.74	225.7	fgr, well foliated phy. Occurs as narrow interbeds. Ocassionaly contains chlor altered vnlets.	MT-Phy	fgr	35.0%	bf			co	1
221.74	225.7	interbedded silicified grey fgr sandstone that hosts majority of qtz in interval. Cy-smgr of fspars. Disseminated sulphides throughout.	MT-SS	fgr	4.0%	g			co	1
221.74	225.7	SHTVs, Vnlets, FltVns. Flts vns cross cut all interbedded units and is mineralized with py. SHTV and vnlets mostly seen in sandstone and is chlorite and calcite altered.	QZVN	frac	1.0%	w			co	1
225.7	229.07	Grey silicified competent mgr sandstone. Cy-smgr and calcite alteration of fspars. tr Disseminated sulphides throughout. mineralized qtz veining throughout (majority py, tr asp). Unit is gradational with fining of grains up hole. Majority of mineralization occurs in cgr section. Upper contact is sharp and planar. Lower contact is very pronounced but irregular.	MT-SS	mgr	70.0%	g			co	1
225.7	229.07	Internedded fgr well foliated blk phy with strong py mineralization in fractures and SHTVS.	MT-Phy	fgr	26.0%	n			co	1
225.7	229.07	FltVns, SHTV, Vnlets. Mineralized mostly with py, and tr asp. Shows calcie and chlorite alteration.	QZVN	frac	4.0%	w			co	1
229.07	231	fgr, well foliated, blk phy with py mineralized qtz veining. Interbedded with fgr siltstone interbeds. From 229.50-229.68 shows parasitic folding.	MT-Phy	fgr	70.0%	n			co	1
229.07	231	fgr grey interbeds with thin (~1mm) dark grey laminations.	MT-SLT	fgr	27.0%	g			co	1
229.07	231	Fltvns, SHTV, Vnlets. Chlor and Calcite altered, mirofractured. Shows strong py mineralization.	QZVN	frac	2.0%	w			co	1

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
4.2	25.5		LIM	1	frac/vn	o
32.25	32.35		cy	4	gouge	gy
48.3	51.1		cy	3.5	gouge	gy
57.97	63.7		cbt	2	vug	w
57.97	63.3	majority along boarders of qtz vns. Sometimes occurs as whispy lamination in phy	chl	1.5	vn/frac	gr
64	66		cy	3	gouge	gy
66.7	69		cy	4	gouge	gy
69.4	69.5		cy	3.5	gouge	gy
75.35	75.43		cy	4	gouge	gy
81.3	81.38		cy	4	gouge	gy
81.84	81.9		cy	4	gouge	gy
82.05	84		cy	3.5	gouge	gy
84	84.8		cbt	2	vug	w
84	84.8	majority along boarders of qtz vns. Sometimes occurs as whispy lamination in phy	chl	2	vn	gr
84	93	whispy laminations in phy	cbt	2	vn	w
86.7	86.8		cy	4	gouge	gy
89.72	91		cy	3	gouge	gy
93.2	95.55		cy	3	gouge	gy
95.3	123.3	smeared along fractures. Sometimes crystalline. Increases toward hydrothermal alteration zone	cy/gypsum?	1	frac	bl
95.9	95.96		cy	3.5	gouge	gy
104.13	106.26	whispy laminations in phy	cbt	2	vn	w

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
104.65	104.78		cy	4	gouge	gy
105	105.1		cy	4	gouge	gy
107.86	107.85		cy	4	gouge	gy
112.32	112.39		cy	4	gouge	gy
112.9	123.1		cy	3	gouge	gy
115.4	115.5	throughout SHTV	chl	2	vn	gr
127.7	136.36	hydrothermally altered zone. Shows a soft white altered clay mineral, maybe kaolinite due to strong pyrite mineralization.	cy/kaolinite?	4	perv	w
138.83	140.48	hydrothermally altered zone. Shows a soft white altered clay mineral, maybe kaolinite due to strong pyrite mineralization.	cy/kaolinite	4	perv	w
153.37	161.7	mostly within qtz vn, sometimes occuring as whispy laminations	cbt	1.5	vn	bf
155.37	161.7	mostly associated with quartz veining, sometimes occurs as penatrative wedges	chl	4	vn	gr
159.58	159.76		cy	4	gouge	gy
161.39	161.5		cy	4	gouge	gy
161.7	187.9	contained mostly within SHTV, some penatrative wedges	chl	1	vn	gr
164.03	174	mostly occurs as whispy laminations, sometimes is fracture filling	cbt	1	frac/v	bf
170.08	170.13		cy	4	gouge	gy
184.1	184.25		cy	2.5	gouge	gy
184.75	185		cy	3	gouge	gy
187.9	220.68	throughout entire litho	cy	1	smgr	w
187.9	220.68	minor carbonite veining throughout litho	cbt	1	vn	w
187.9	220.68	cy-smgr have been altered further to ank. Fracture filling ank increases toward contact	ank	1	smgr/frac	bf
187.9	220.68	throughout litho	SIL	1.5	perv	gy
208.16	212.02		cy	2	gouge	gy
220.68	225.76	only in siltsone interbeds	SIL	1.5	perv	gy
220.9	225	penatrative wedges	chl	3.5	vn	gr
223.4	223.65	whispy laminations, shear zone related	cbt	3.5	vn	w
225.76	229.08		ank	1	vn/vug	bf
225.76	229.08		cy	1.5	smgr	w
225.76	229.08	only in sandstone interbeds	SIL	1.5	perv	gy
229.08	231	within majority of qtz vns	cbt	1	vn	bf
229.08	231	within majority of qtz vns	chl	1.5	vn	gr

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
4.2	6	QZVN	250.0%	SHTV	broken qtz vn, rounded from drill bit
6	6.62	FZ	250.0%	BFZ	broken, weak core. Minor GG at start of interval
12.3	18.1	FZ	350.0%	BFZ	very poor recovery, moderate to intense GG
19.55	20	FZ	250.0%	gg	minor gg, mostly broken core
21.87	21.92	FZ	250.0%	gg	minor gg, mostly broken core
24	24.2	FZ	250.0%	gg	minor gg, mostly broken core
29.15	30	FZ	250.0%	gg	minor gg, mostly broken core
32.25	32.35	FZ	400.0%	gg	comletely clay altered, very fine
32.6	33	FZ	250.0%	BFZ	minor gg, mostly broken core
33.95	34.73	FZ	300.0%	BFZ	moderate gg, mostly friable weak core
38.2	38.5	FZ	300.0%	BFZ	moderate gg, mostly friable weak core
42.68	42.9	FZ	300.0%	BFZ	moderate gg, mostly friable weak core
45.55	45.9	FZ	300.0%	BFZ	moderate gg, mostly friable weak core
48.3	51.1	FZ	350.0%	gg	moderate to intense gg
53.2	54	FZ	300.0%	BFZ	moderate gg, mostly broken weak core
56.85	57	FZ	250.0%	BFZ	minor gg, mostly broken core
57.97	62.3	QZVN	100.0%	SHTV	~5% qtz in the form shtv and vnlets
62.45	62.85	FZ	300.0%	BFZ	moderate gg, mostly friable weak core
64	66	FZ	300.0%	BFZ	moderate gg, mostly friable weak core
66.7	69	FZ	400.0%	gg	comletely clay altered, very fine
67.05	67.35	SZ	250.0%	DBSZ	TVA's with brittle fractures withini interval
69.4	69.5	FZ	350.0%	gg	moderate to intense gg, mostly friable weak core
75.35	75.43	FZ	400.0%	gg	comletely clay altered, very fine
75.87	78	FZ	250.0%	BFZ	broken, weak core with poor recovery
78.8	81	FZ	300.0%	BFZ	broken, weak core with poor recovery
81.3	81.38	FZ	400.0%	gg	comletely clay altered, very fine
81.84	81.9	FZ	400.0%	gg	comletely clay altered, very fine
82.05	84	FZ	350.0%	gg	moderate to intense gg, mostly friable weak core
84	84.8	QZVN	250.0%	SHTV	50% qtz throughout interval with veining up to 5cm thick
84.8	86.7	FZ	300.0%	BFZ	moderate gg, mostly friable weak core
86.7	86.8	FZ	400.0%	gg	comletely clay altered, very fine
89.72	91	FZ	350.0%	gg	moderate to intense gg, some friable weak core
93.2	95.55	FZ	300.0%	gg	moderate gg, mostly friable weak core
95.9	95.56	FZ	350.0%	gg	moderate to intense gg, some friable weak core
104.13	106.26	QZVN	200.0%	SHTV	50% qtz with some veins reaching 7cm thickness, predominatly 1-2cm veins
104.65	104.78	FZ	400.0%	gg	comletely clay altered, very fine
105	105.1	FZ	400.0%	gg	comletely clay altered, very fine
107.8	107.85	FZ	400.0%	gg	comletely clay altered, very fine

From	To	Mineral	Intensity	Distribution	Comments
108.5	108.65	FZ	150.0%	bx	subangular clasts up to 2cm infilled with gg
110.75	111.15	FZ	200.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
112.32	112.39	FZ	400.0%	gg	comletely clay altered, very fine
115.37	115.62	FZ	200.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
120	120.3	FZ	150.0%	bx	subangular clasts up to 2cm infilled with gg
122	123.35	FZ	200.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
122.9	123.1	FZ	300.0%	gg	moderate to intense gg, some friable weak core
125.25	126.4	FZ	300.0%	bx	moderate to intense gg, some friable weak core
126.5	126.6	FZ	250.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
136.36	138.83	QZVN	200.0%	stwk	py mineraliztion around borders of veins
136.36	138.83	QZVN	150.0%	SHTV	mostly bull quartz, microfractured, partially vugged
140.75	142.61	FZ	200.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
142.24	142.32	FZ	400.0%	gg	comletely clay altered, very fine
143.75	147	FZ	300.0%	bx	angular clasts, large seperation between clasts, clasts size mostly 1cm, infilled with gg
144.1	144.25	FZ	400.0%	gg	comletely clay altered, very fine
144.65	144.7	FZ	400.0%	gg	comletely clay altered, very fine
146.7	146.75	FZ	400.0%	gg	comletely clay altered, very fine
147.66	148.08	FZ	200.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
151	151.3	FZ	300.0%	gg	moderate to intense gg, some friable weak core
153	153.37	FZ	200.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
153.37	161.7	QZVN	100.0%	SHTV	shows intense chlorite alteration
153.64	155	FZ	200.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
159.58	159.76	FZ	400.0%	gg	comletely clay altered, very fine
161.39	161.5	FZ	400.0%	gg	comletely clay altered, very fine
161.5	162	FZ	250.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
164.44	164.62	FZ	250.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
165.3	165.4	FZ	200.0%	BFZ	shattered core with poor recovery
170.08	170.13	FZ	350.0%	gg	moderate to intense gg, some friable weak core
180.6	181.7	FZ	300.0%	bx	angular clasts, large seperation between clasts, clasts size mostly 1cm, infilled with gg
183.53	183.87	FZ	100.0%	bx	weakly brecciated, subangular to subrounded clasts up 1.5cm thick, infilled with gg
184.1	184.25	FZ	250.0%	gg	minor gg mixed with broken and friable core
184.25	184.75	FZ	300.0%	bx	angular clasts, large seperation between clasts, clasts size mostly 1cm, infilled with gg
184.75	185	FZ	300.0%	gg	moderate gg, some friable weak core
185	187.78	FZ	200.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
185.67	187.9	QZVN	400.0%	SHTV	massive qtz vn with tr py/asp
187.9	220.68	QZVN	150.0%	SHTV	throughout litho
189.47	192	FZ	300.0%	bx	angular clasts, large seperation between clasts, clasts size mostly 1cm, infilled with gg
189.6	194.5	QZVN	300.0%	SHTV	area if intense veining (1-6cm thick)
194.56	194.86	FZ	200.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg

From	To	Mineral	Intensity	Distribution	Comments
197.35	199.5	QZVN	300.0%	SHTV	area of intense veining (1-18cmthick)
197.35	199.5	QZVN	200.0%	stwk	
203.26	203.61	FZ	200.0%	bx	angular to subangular clasts up 1.5cm, infilled with gg
203.9	204.15	QZVN	300.0%	SHTV	area of intense veining (1-11cmthick)
204.75	206	FZ	150.0%	bx	subangular to subaround clasts up to 3cm, infilled with gg
208.16	212.02	FZ	300.0%	gg	moderate gouging with some friable core
219.6	219.89	FZ	100.0%	bx	minor breccia
223.81	224.32	SZ	200.0%	DSZ	evidence tension veining
227.63	227.9	FZ	150.0%	bx	
228.39	229.15	FZ	200.0%	bx	

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
57	60		py	0.005	diss
60	78		py	0.002	vn
78	81		py	0.01	vn
81	84		py	0.005	vn
90	93		py	0.002	diss
103	108	Disseminated on matrix and gouge hosted	py	0.001	gouge
114	117	Hydrothermal alteration	py	0.003	diss
120	123		py	0.0005	diss
123	126		py	0.007	diss
123	126	Very fine grained asp	asp	0.001	diss
126	129	Cubic	py	0.005	diss
129	132	Cubic	py	0.01	diss
129	132	Very fine grained	asp	0.005	diss
132	135		py	0.01	diss
132	135	Very fine grained	asp	0.002	diss
135	141		py	0.01	diss
135	138	gn occurring on phyllitic clast	gn	0.0001	diss
141	144	Cubic	py	0.0002	diss
144	147	Cubic	py	0.0001	diss
153	171	Cubic	py	0.0002	diss
177	180	Cubic	py	0.0001	diss
180	183	Cubic	py	0.0005	diss
183	186	Cubic	py	0.02	diss
183	186	Very fine grained	asp	0.01	diss
186	189	Cubic	py	0.01	diss
186	189	Very fine grained	asp	0.002	diss

From:	To:	Comments	Mineral	Percent	Distribution
189	192		asp/py	0.01	diss
192	207	Gn occurring with pyrite	gn	0.0001	diss
192	195		py	0.01	diss
192	195	Very fine grained	asp	0.002	diss
195	198	Very fine grained	asp	0.0001	diss
195	198	Abundant along the fractures	py	0.02	frac
198	201	Within white sheet-like vein	asp	0.005	vn
198	201		py	0.01	diss
201	204	Very fine grained	asp	0.002	diss
201	204	Cubic	py	0.01	diss
204	207	Very fine grained	asp	0.005	diss
207	210		py	0.02	diss
207	213	Very fine grained	asp	0.0005	diss
210	213	Occurring with pyrite	gn	0.0002	diss
210	213		py	0.01	diss
213	216		asp	0.002	diss
213	216	Cubic	py	0.01	diss
213	216	Occurring with pyrite	gn	0.0001	diss
216	219	Very fine grained	asp	0.0002	diss
216	219	Cubic	py	0.005	diss
219	222	Abundant along foliation	py	0.01	vn
222	228		py	0.003	diss
228	231		py	0.02	vn

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
8.45	Veins			qtz	Veinlets	30			
9.33	Foliation		S1		FOL	50			
11.25	Foliation		S1		FOL	30			
12.28	Veins			qtz	Veinlets	60			
18.7	Foliation		S1		FOL	60			
21.5	Foliation		S1		FOL	70			
23.8	Foliation		S1		FOL	65			
25.3	Foliation		S1		FOL	60			
27.25	Foliation		S1		FOL	60			
33.73	Foliation		S1		FOL	55			
35.3	Foliation		S1		FOL	50			
36.3	Veins			qtz	Veinlets	75			
39.2	Foliation		S1		FOL	60			
42.1	Foliation		S1		FOL	50			
52.38	Foliation		S1		FOL	60			
54.1	Foliation		S1		FOL	70			
56.23	Foliation		S1		FOL	55			
57.5	Foliation		S1		FOL	60			
60.26	Veins			qtz	Veinlets	35			
61.65	Veins			qtz	SHTV	60			
66.1	Fold axes		F1		Open	20			
69.6	Foliation		S1		FOL	55			
70.55	Foliation		S1		FOL	50	0		
71.8	Foliation		S1		FOL	45			
75.9	Foliation		S1		FOL	60			
78.4	Foliation		S1		FOL	20			
81.08	Foliation		S1		FOL	45			
83.35	Foliation		S1		FOL	50			
84.23	Veins			qtz	SHTV	65			
88	Veins			qtz	Veinlets	50			
89.4	Foliation		S1		FOL	60			
91.46	Foliation		S1		FOL	45			
99.2	Foliation		S1		FOL	50			
102.33	Veins			qtz	Veinlets	45			
103.65	Foliation		S1		FOL	50			
105.4	Veins			qtz	Veinlets	50			
106.5	Foliation		S1		FOL	35			
108.1	Foliation		S1		FOL	50			
109.9	Foliation		S1		FOL	45			

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
111.7	Foliation		S1		FOL	40			
114.4	Foliation		S1		FOL	45			
120.05	Foliation		S1		FOL	55			
121.05	Foliation		S1		FOL	45			
126.7	Veins			qtz	Veinlets	60			
133.5	Veins			qtz	Veinlets	60			
137.9	Veins			qtz	STWK	25			
140.9	Foliation		S1		FOL	60			
143.6	Foliation		S1		FOL	60			
147.28	Veins			qtz	Veinlets	70			
149.7	Veins			qtz	Veinlets	55			
151.1	Foliation		S1		FOL	20			
152.75	Foliation		S1		FOL	20			
153.57	Veins			qtz	Veinlets	45			
155.6	Foliation		S1		FOL	30			
155.9	Foliation		S1		FOL	40			
158	Foliation		S1		FOL	65			
160.9	Foliation		S1		FOL	45			
163.33	Foliation		S1		FOL	80			
165	Foliation		S1		FOL	45			
167	Foliation		S1		FOL	50			
167.8	Foliation		S1		FOL	50			
170	Joints					50	42		
170	Foliation		S1		FOL	65			
170.26	Bedding		So			60	354		
170.63	Bedding		So			70	355		
171.1	Foliation		S1		FOL	70			
172	Foliation		S1		FOL	70			
173.5	Foliation		S1		FOL	65			
174.21	Foliation		S1		FOL	70			
177.4	Foliation		S1		FOL	60			
178.3	Foliation		S1		FOL	60			
179	Bedding		So			60			
180.39	Foliation		S1		FOL	60			
182.8	Foliation		S1		FOL	75			
183.6	Foliation		S1		FOL	80			
188.05	Veins			qtz	SHTV	50		0	1.5 cms wide
188.96	Joints					55	10		pyrite infilling fracture
189.21	Veins			qtz	SHTV	65			pyrite infilling vein

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
197.42	Joints					55	352		
197.77	Veins			qtz	SHTV	35	180		
199.85	Veins			qtz	Veinlets	30			
200.83	Veins			qtz	SHTV	60			
203.9	Veins			qtz	Veinlets	65			
206.73	Veins			qtz	Veinlets	60			Vuggy texture
212.65	Joints					65	22		
213.09	Joints					60	192		
214.1	Veins			qtz	SHTV	70	48		
215.12	Joints					50	318		Vuggy
215.5	Veins			qtz	SHTV	30	210		
216.25	Joints					75			
217.9	Contact					70			MT-CO/MT-PHY
218.04	Bedding		So			70			
219.25	Veins			qtz	Veinlets	75			
220.83	Joints					55			
221.44	Foliation		S1		FOL	75			
222.1	Joints					80			
222.75	Foliation		S1		FOL	65			
224.28	Bedding		So			75			
226.49	Veins			qtz	Veinlets	65			
229.15	Veins			qtz	SHTV	75			
229.46	Bedding		So			60			

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33492	4.2	6	2012	Expl Geochem	H-split	MT-CO.pbl	0.005	14.600	0.330	0.001	14.400	0.840
33493	6	8	2012	Expl Geochem	H-split	MT-PhY	0.003	20.400	0.100	0.003	53.300	0.260
33494	8	10	2012	Expl Geochem	H-split	MT-Phy	0.003	17.100	0.060	0.002	53.900	0.180
33495	10	12	2012	Expl Geochem	H-split	MT-Phy.fgr	0.003	20.800	0.100	0.002	57.700	0.220
33496	12	18	2012	Expl Geochem	H-split	MT-Phy	0.003	24.000	0.170	0.002	46.900	0.360
33497	18	20	2012	Expl Geochem	H-split	MT-Phy	0.003	39.000	0.110	0.003	44.000	0.560
33498	20	22	2012	Expl Geochem	H-split	MT-Phy	0.003	27.200	0.090	0.004	54.400	0.430
33499	22	24	2012	Expl Geochem	H-split	MT-phy	0.003	19.300	0.050	0.002	50.000	0.310
33500	24	26	2012	Expl Geochem	H-split	MT-Phy	0.003	20.600	0.050	0.003	49.400	0.430
33501	26	28	2012	Expl Geochem	H-split	MT-Phy	0.003	24.400	0.060	0.004	58.900	0.330
33502	28	30	2012	Expl Geochem	H-split	MT-Phy	0.003	23.800	0.340	0.003	55.600	0.460
33503	30	32	2012	Expl Geochem	H-split	MT-PhY	0.003	54.100	0.020	0.002	51.700	0.760
33504	32	34	2012	Expl Geochem	H-split	MT-Phy	0.008	32.200	0.080	0.003	48.500	0.380
33505	34	36	2012	Expl Geochem	H-split	MT-Phy	0.003	42.500	0.005	0.001	41.600	0.350
33506	36	38	2012	Expl Geochem	H-split	MT-Phy	0.005	41.800	0.520	0.003	58.100	0.370
33507	38	40	2012	Expl Geochem	H-split	MT-Phy	0.003	28.400	0.005	0.001	38.600	0.310
33508	40	42	2012	Expl Geochem	H-split	MT-Phy	0.003	24.300	0.005	0.001	49.900	0.210
33509	42	44	2012	Expl Geochem	H-split	MT-Phy	0.003	19.400	1.090	0.001	56.800	0.260
33510	44	46	2012	Expl Geochem	H-split	MT-Phy	0.003	23.500	0.080	0.002	59.900	0.310
33511	46	48	2012	Expl Geochem	H-split	MT-Phy	0.003	25.100	0.130	0.002	55.400	0.330
33512	48	51	2012	Expl Geochem	H-split	MT-Phy	0.003	22.700	0.110	0.003	56.300	0.550
33513	51	53	2012	Expl Geochem	H-split	MT-Phy	0.003	14.000	0.020	0.001	56.600	0.330
33514	53	55	2012	Expl Geochem	H-split	MT-Phy	0.003	14.400	0.005	0.001	52.800	0.260
33515	55	57	2012	Expl Geochem	H-split	MT-Phy	0.003	15.800	0.030	0.001	46.700	0.260
33516	55	57	2012	STND	CDN-GS-8B	MT-Phy	7.658	1065.700	0.890	0.001	36.300	11.420
33517	55	57	2012	DUP	Q-Split	MT-Phy	0.014	22.700	0.050	0.002	45.800	0.250
33518	57	59	2012	Expl Geochem	H-split	MT-Phy	0.003	23.400	0.050	0.002	51.300	0.430
33519	59	61	2012	Expl Geochem	H-split	Mt-Phy	0.003	21.000	0.050	0.005	55.200	0.920
33520	61	63	2012	Expl Geochem	H-split	MT-Phy	0.003	42.600	0.050	0.003	54.700	0.530
33521	63	66	2012	Expl Geochem	H-split	MT-Phy	0.003	41.800	0.020	0.003	57.400	0.380
33522	66	69	2012	Expl Geochem	H-split	MT-Phy	0.003	29.400	0.005	0.002	51.300	0.270
33523	69	71	2012	Expl Geochem	H-split	MT-Phy	0.003	25.700	0.140	0.002	58.200	0.650
33524	71	73	2012	Expl Geochem	H-split	MT-Phy	0.003	32.000	0.130	0.003	52.800	0.470
33525	73	75	2012	Expl Geochem	H-split	MT-Phy	0.003	26.800	0.340	0.002	47.900	0.440
33526	75	78	2012	Expl Geochem	H-split	MT-Phy	0.003	27.600	0.140	0.003	52.600	0.380
33527	78	81	2012	Expl Geochem	H-split	MT-Phy	0.006	48.800	0.130	0.003	56.800	0.540
33528	81	84	2012	Expl Geochem	H-split	MT-Phy	0.003	34.800	0.130	0.004	55.200	0.450

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Main Zone	Hole ID:	3A-12-039	Grant No.:	YC72728
	Plunge:	Azimuth:	EOH:				
	50	270	231				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33529	84	86	2012	Expl Geochem	H-split	MT-Phy	0.003	17.600	0.005	0.001	26.000	0.440
33530	86	88	2012	Expl Geochem	H-split	MT-Phy	0.003	29.300	0.270	0.002	60.400	0.440
33531	88	90	2012	Expl Geochem	H-split	MT-Phy	0.003	21.100	0.030	0.002	58.100	0.400
33532	90	92	2012	Expl Geochem	H-split	MT-Phy	0.006	27.200	0.480	0.002	59.600	0.370
33533	92	96	2012	Expl Geochem	H-split	MT-Phy	0.005	24.700	33.360	0.002	122.200	0.510
33534	96	98	2012	Expl Geochem	H-split	MT-Phy	0.003	21.200	0.730	0.003	59.400	0.420
33535	98	100	2012	Expl Geochem	H-split	MT-Phy	0.003	22.400	0.110	0.002	51.800	0.480
33536	100	102	2012	Expl Geochem	H-split	MT-Phy	0.003	25.000	0.070	0.002	57.700	0.540
33537	102	104	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	16.800	0.080	0.002	63.700	0.160
33538	104	106	2012	Expl Geochem	H-split	MT-Phy	0.007	37.400	0.080	0.003	48.900	0.660
33539	106	108	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	27.100	0.005	0.002	44.800	0.390
33540	108	110	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	28.900	0.005	0.002	52.000	0.470
33541	110	112	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	20.700	0.230	0.002	55.600	0.360
33542	112	115	2012	Expl Geochem	H-split	MT-Phy	0.003	39.900	0.310	0.005	55.600	1.010
33543	115	117	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	20.400	0.150	0.002	52.000	0.420
33544	117	120	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	19.300	0.530	0.003	57.400	0.460
33545	120	122	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	18.800	0.010	0.002	60.000	0.390
33546	122	123.3	2012	Expl Geochem	H-split	MT-Phy	0.320	236.500	0.030	0.003	57.000	0.390
33547	123.3	125.3	2012	Expl Geochem	H-split	MT-SS	1.220	1513.100	1.090	0.002	13.800	0.450
33548	125.3	126.83	2012	Expl Geochem	H-split	MT-Phy	0.320	469.200	0.170	0.006	53.200	0.530
33549	126.83	127.7	2012	Expl Geochem	H-split	MT-SS	0.050	44.100	0.640	0.009	30.700	0.480
33550	127.7	129	2012	Expl Geochem	H-split	MT-CO.pbl	0.080	228.500	0.180	0.014	18.700	0.510
33551	129	132	2012	Expl Geochem	H-split	MT-CO.pbl	1.340	2234.600	1.300	0.011	4.400	0.490
33552	129	132	2012	Blank	LWS_2011	MT-CO.pbl	0.003	33.900	0.210	0.000	0.100	0.130
33553	129	132	2012	DUP	Q-Split	MT-CO.pbl	1.538	2855.900	1.200	0.019	4.900	0.520
33554	132	134	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.250	1885.100	0.410	0.024	5.900	0.440
33555	134	136	2012	Expl Geochem	H-split	MT-CO.pbl.gg	0.020	104.800	0.005	0.004	5.100	0.540
33556	136	138	2012	Expl Geochem	H-split	MT-CO.pbl	0.150	2852.500	4.860	0.254	5.800	0.520
33557	138	140.75	2012	Expl Geochem	H-split	MT-CO.pbl	0.028	88.900	0.140	0.003	9.300	0.640
33558	140.75	142.75	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	30.400	0.240	0.003	58.500	0.510
33559	142.75	144	2012	Expl Geochem	H-split	MT-phy.fol	0.003	23.900	0.005	0.003	58.000	0.430
33560	144	147	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	22.600	0.060	0.003	53.900	0.460
33561	147	149	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	23.800	0.010	0.003	66.100	0.380
33562	149	151	2012	Expl Geochem	H-split	MT-Phy	0.003	23.300	0.005	0.003	59.900	0.450
33563	151	153	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	22.000	0.040	0.003	51.600	0.370
33564	153	155	2012	Expl Geochem	H-split	MT-Phy	0.003	33.400	0.160	0.003	70.800	0.410
33565	155	157	2012	Expl Geochem	H-split	MT-Phy.fol	0.023	47.100	0.040	0.003	56.000	0.430

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33566	157	159	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	24.700	0.005	0.002	56.200	0.410
33567	159	161	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	29.400	0.110	0.002	54.400	0.430
33568	161	163	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	29.400	0.040	0.003	53.300	0.440
33569	163	165	2012	Expl Geochem	H-split	MT-Phy	0.003	29.800	0.090	0.002	59.900	0.370
33570	165	167	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	30.800	0.030	0.002	66.000	0.430
33571	167	169	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	31.100	0.270	0.002	58.700	0.400
33572	169	171	2012	Expl Geochem	H-split	MT-Phy	0.003	29.800	0.090	0.002	58.600	0.400
33573	171	173	2012	Expl Geochem	H-split	MT-Phy	0.003	21.200	0.005	0.002	54.200	0.350
33574	173	175	2012	Expl Geochem	H-split	MT-Phy	0.003	25.600	0.820	0.003	55.800	0.380
33575	175	177	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	28.400	0.270	0.002	56.500	0.420
33576	177	179	2012	Expl Geochem	H-split	MT-Phy	0.003	35.300	0.060	0.002	51.200	0.420
33577	179	181	2012	Expl Geochem	H-split	MT-Phy	0.080	185.400		0.003	42.900	0.520
33578	181	183	2012	Expl Geochem	H-split	MT-Phy	0.070	192.400		0.002	41.900	0.550
33579	183	184.3	2012	Expl Geochem	H-split	MT-Phy	0.040	116.400		0.003	38.400	0.500
33580	184.3	185.67	2012	Expl Geochem	H-split	MT-Phy	1.010	3955.200		0.016	31.300	0.690
33581	185.67	186.67	2012	Expl Geochem	H-split	MT-CO.pbl	0.310	7592.600		0.029	8.500	0.750
33582	186.67	187.67	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	221.900		0.005	2.100	0.480
33583	187.67	189	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	252.300		0.013	8.200	0.530
33584	189	191	2012	Expl Geochem	H-split	MT-CO.pbl	0.060	854.000		0.008	9.400	0.500
33585	191	193	2012	Expl Geochem	H-split	MT-CO.pbl	0.160	2486.400		0.003	7.800	0.560
33586	193	195	2012	Expl Geochem	H-split	MT-CO.pbl	0.080	2756.400		0.005	13.500	0.570
33587	195	197	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	37.300		0.006	4.800	0.730
33588	197	199	2012	Expl Geochem	H-split	MT-CO.pbl	0.280	1277.900		0.007	7.800	0.580
33589	199	201	2012	Expl Geochem	H-split	MT-CO.pbl, phy intb	0.030	504.600		0.005	12.900	0.630
33590	201	203	2012	Expl Geochem	H-split	MT-CO.pbl	0.030	534.700		0.016	11.100	0.580
33591	203	205	2012	Expl Geochem	H-split	MT-CO.pbl	0.390	2793.000		0.028	9.400	0.510
33592	205	207	2012	Expl Geochem	H-split	MT-CO.pbl	0.400	2752.300		0.024	10.200	0.460
33593	207	209	2012	Expl Geochem	H-split	MT-CO.pbl	0.290	3458.800		0.011	15.800	0.680
33594	209	211	2012	Expl Geochem	H-split	MT-CO.pbl	0.150	2027.200		0.006	6.500	0.520
33595	211	213	2012	Expl Geochem	H-split	MT-CO.pbl	1.400	2453.400		0.009	10.600	0.500
33596	213	215	2012	Expl Geochem	H-split	MT-CO.pbl	0.540	2067.300		0.009	12.100	0.440
33597	215	217	2012	Expl Geochem	H-split	MT-CO.pbl	0.830	1346.000		0.001	10.200	0.570
33598	217	219	2012	Expl Geochem	H-split	MT-CO.pbl, phy itbd	0.090	1254.900		0.002	30.800	0.600
33599	219	220.58	2012	Expl Geochem	H-split	MT-CO.pbl	0.090	494.500		0.004	20.800	0.570
33600	220.58	222	2012	Expl Geochem	H-split	MT-SLT, itbd phy	0.016	56.300		0.003	39.800	0.590
33601	220.58	222	2012	STND	CDN-1P5f		1.346	27.400		0.001	52.000	9.950

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Main Zone	Hole ID:	3A-12-039	Grant No.:	YC72728
Plunge:	Azimuth:	EOH:					
50	270	231					

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33602	220.58	222	2012	DUP	Q-Split		0.317	49.300		0.005	32.400	0.610
33603	222	224	2012	Expl Geochem	H-split	MT-SLT, itbd phy	0.032	93.500		0.002	40.700	0.670
33604	224	225.9	2012	Expl Geochem	H-split	MT-SLT, itbd phy	0.006	30.000		0.002	56.500	0.450
33605	225.9	227.4	2012	Expl Geochem	H-split	MT-SS	0.031	44.600		0.003	25.900	0.850
33606	227.4	228.95	2012	Expl Geochem	H-split	MT-SS	0.008	19.700		0.017	18.700	0.630
33607	228.95	231	2012	Expl Geochem	H-split	MT-phy	0.018	39.900		0.005	50.700	0.510

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Sleeping Giant Zone **Hole ID:** 3ASG-12-001 **Logger:** BES **Grant No.:** YC72727

Location

Easting:	Northing:	Latitude:	Longitude:
534650.0	6844078.0		

Elevation: 1207 m **Grid Name:** NA

Datum:	UTM Zone:	Grid N:	Grid E:
NAD83	9		

Orientation

Plunge: 50
Azimuth: 285
EOH: 51.0 m
Core Size: HQ

Start Date: 13/07/2012
Finish Date: 14/07/2012
Status: Completed
Contractor: Driftwood

Objective:
To test the true thickness of the quartz vein in trench and the down-dip extent of the vein to the north, the next vein in the en echelon sequence. Targets are 8 m and 20 to 25 m.

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
21	50.1	283.1	56811	Reflex	1
51	50.6	282.8	5621	Reflex	1

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	6		CASING		100.0%					1
6	22.4	First 15.5m of core is dominantly qtz vening (large vein flt?) with abndt x-cutting aspy fracs. VG occurs in the vein in sample interveal 11-12m (vfgr along frac) and sample interval 13-14m (cgr, in centre of lrg aspy xtal). Minor blebs of QPC occur locallly throughout qtz vn.	QZVN	frac	95.0%	w			co	1
6	22.4	dom clast supported cgr QPC with up to 1cm pbl composed of 90% qtz, 10% cy alt recessive wh fspar, 1% drk lithic pbl.	MT-CO	pbl	5.0%	gy	qtz	90	co	1
22.4	29.7	vfgr well fol blk phyl. Upper contact is a bx flt w/ cy altered phy gg at the top of the interval. Tr asp/py mineralization. Vnlets of variable spacing and thicknesses. Fractures are filled w/ ank. Lower contact is bx and shows evidence of flting due to presence of gg. Lim alt of fracs throughout.	MT-Phy	fol	75.0%	n			fr	2
22.4	29.7	0.1-0.4cm vfgr gy interbeds within phyllite	MT-SLT	fgr	10.0%	gy			fr	2
22.4	29.7	cgr gry sandstone from 27.68-28.48m. SHTV/vnlets. Tr diss aspy. Bx upper contact with intense cy smgr and sharp lower contact with phyllite.	MT-SS	cgr	10.0%	gy			co	1
22.4	29.7	qtz vns are white, fractured with py mineralization and lim alt along fracs	QZVN	frac/vug	5.0%	w			co	2
29.7	34.5	Cgr gy sndst. Bx upper and lower contacts. Trace diss asp and wh cy alt of fspar grns throughout. BFZ at base of unit that contains majority of qtz vns.	MT-SS	cgr	70.0%	gy			co	2
29.7	34.5	fgr well fol blk interbed in middle of MT-SS. Fracs with ank/cy infill. Trace asp mineralization. Minor gy 0.1-0.4cm slst interbeds.	MT-Phy	fol	25.0%	n			br	2
29.7	34.5	SHTV vnlets/vns x-cut by microfracs. Mostly white bull qtz.	QZVN	frac	5.0%	w			co	2
34.5	38.4	vfgr well fol blk phyllite with sharp upper contact with sndst and brittle llower contact with conglomerate. Majoritey is w/in a BFZ (mostly broken core). Ank/cy infill of fracs.	MT-Phy	fol	95.0%	n			fr	2
34.5	38.4	0.5m interbed of cgr sndst with strong cy-smgr alt within phyllite unit.	MT-SS	cgr	5.0%	gy			fr	2
38.4	41.65	Blocky grey clast-supported QPC. Brittle upper and lower contacts. Cy/ank smgr throughout of fspar pbl. 74% gy qtz pbl, 25% cy alt fspar, 1% drk lithic grns.2% asp/py mineralization in frac/diss. Massive asp xtals locally. Most of interval is silicified.	MT-CO	pbl	70.0%	gy	qtz	75	co	2
38.4	41.65	SHTV/vnlets/vns at bottom of interval. Mostly white fractured bull qtz.	QZVN	frac	30.0%	w			co	2

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
41.65	51	vfgr well-fol blk phyl. 1m Brittle flt zone upper contact with QPC. Upper 4m contain py mineralized vns/fracs, up to 2% locally.	MT-Phy	fol	50.0%	n			fr	2
41.65	51	MT-CO interbeds up to 1m thick containing diss py-asp. Mod ank/cy smgr alt. Sharp contacts of interbeds with surrounding phyl. Interbeds have 68% qtz, 25% cy alt fspar, 2% lithic fragments.	MT-CO	pbl	40.0%	gy	qtz	68	co	2
41.65	51	Thin MT-slst interbeds in phyllite	MT-SLT	fgr	10.0%	gy			fr	2

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
6	27.85	local wk silicification of QPC interval	SIL	1	perv	gy
6	27.85	x-cutting wh microfracs	cy	1.5	frac	w
6	27.85	selecty cy alt of fspar grns in QPC	cy	1.5	smgr	w
6	27.85	x-cutting or microfracs	LIM	1.5	frac	o
22.4	29.7	biege/buff ank alt as blebs in vns	ank	2	vn	bf
22.4	29.7	graphite coating along fol in phyllite	gph	1.5	fol	gy
29.7	31.85	x-cutting white microfracs coated with cy	cy	1	frac	w
29.7	34.5	selectrive cy alt of fspar in sndst	cy	1	smgr	w
31.85	33		cy	3	frac	w
31.85	33		ank	3	frac	bf
36	36.65	selective replacement of fspar grns in silicified QPC interval	ank	3	smgr	bf
36.65	38.2	decrease in ank blebs in qtz vns	ank	1	vn	bf
38.2	41.65	cy coated microfracs x-cutting	cy	1	frac	w
38.2	41.65	selective replacement of fspar with cy	cy	1	smgr	w
38.2	41.65	silicification of QPC	SIL	1.5	perv	gy
41.65	43.17	ank blebs in qtz vns	ank	1	vn	bf
43.9	46.15	glassy, hard core, silicification of QPC matrix	SIL	3	perv	gy
47.25	51	blebs in qtz vns and as x-cutting vnlets	ank	1.5	vn	bf

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
6	15.5	QZVN	400.0%	FLT	Thick, milky white quartz vein with abundant asp veining. QPC host.
16.65	17.67	FZ	300.0%	gg	QPC gouge zone, lost core
22.4	23.6	BRC	300.0%	stwk	x-cutting wh SHTV/flt vn in QPC
24.95	26.65	FZ	300.0%	gg	gouged zone in QPC
31.4	33	QZVN	300.0%	stwk	abndt x-cutting vns
35.28	36	FZ	300.0%	BFZ	brittle flt zone with abndst gouge
36.65	38.2	FZ	300.0%	BFZ	interval with abndt broken core and intermittent gouge
41.65	42	FZ	300.0%	BFZ	Broken core interval
46.15	47.15	FZ	300.0%	BFZ	brittle flt zone with abundant broken core and gouge zones
57.5	27.83	QZVN	200.0%	FLT	33cm wh QV w/ lim fracs, py infilling vugs

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
6	9	massive fgr xtals	asp	0.01	diss
6	9	massive fgr xtals	asp	0.02	frac
9	12	vfgr Au (need hand lens to see) along a frac in qtz vn	Au	0.001	frac
9	12	massive xtals	py	0.005	diss
9	12	massive xtals	py	0.005	frac
9	12	massive xtals	asp	0.001	diss
9	15	massive xtals	asp	0.01	frac
12	15	massive xtals	asp	0.005	diss
12	15	cgr bleb (0.2cm) in lrg asp xtal	Au	0.001	vug
12	15	massive xtals	py	0.005	diss
12	15	massive xtals	py	0.01	frac
15	18	xtals	asp	0.001	vn
15	18	vnlets	asp	0.001	frac
15	18	xtals	py	0.005	diss
15	18	xtals	py	0.001	vn
15	18	xtals	py	0.001	frac
18	21	fgr euhed xtals	py	0.005	diss
18	21	fgr euhed xtals	asp	0.001	diss
18	21	fgr euhed xtals	asp	0.0025	frac
21	30	fgr euhed xtals	asp	0.001	diss
21	30	fgr euhed xtals	py	0.005	diss
21	30	fgr euhed xtals	asp	0.001	frac
30	39	euhed xtals	py	0.001	diss
30	39	euhed xtals	asp	0.001	diss
39	45	massive xtals	py	0.01	diss
39	45	massive xtals	asp	0.01	frac
45	48	cgr euhedral	asp	0.01	frac
45	48	cgr euhedral	py	0.01	diss
45	48	cgr euhedral blebs	py	0.005	vug
45	48	cgr euhedral blebs	asp	0.005	vug
48	51	cgr euhedral xtals	asp	0.005	diss

Point Structure

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-001	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	285	51				

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
8.75	Fractures	81		asp		25	132		lrg euhed asp xtals, scor alt
9	Fractures	81		scor/lim		35	140		wk lim alt and green scor coating frac
9.05	Fractures	81		asp		40	120		cgr euhed asp along frac
18.25	Veins	38		qtz	FLT	30			0.5cm vuggy qtz flt vn
18.77	Veins	38		py	FLT	15			0.3cm py coated vnlet
18.77	Veins	38			SHTV	65			0.5cm, py min, vuggy qtz vn
19.1	Veins	38		ank	FLT	5			cy coated py min irreg flt vn
19.54	Veins	38		cy	SHTV	50			vuggy, cy infill
19.54	Veins	38		cy	FLT	10			wk lim alt, cy infill flt vn
20.38	Veins	38		qtz	FLT	15			4cm vuggy qtz vn w/ py min
20.46	Veins	38		qtz	SHTV	45			0.5cm thick vein
22.37	Contact					35			bx, ank matrix/cemetn, py /asp min contact b/w QPC/phyllite
23.72	Bedding	46				15			thin slst interbed in phyllite
24.3	Bedding	46				0			thin slst interbed in phyllite
27.68	Fractures	81				65			
28.5	Veins	38		qtz	SHTV	30			qtz vn with cy infill in vugs
30.74	Veins	38		qtz	SHTV	30			0.3cm thick vuggy vnlet
32.15	Veins	38		qtz	FLT	40			0.2cm thick vnlet
32.35	Veins	38		qtz	FLT	50			2cm thick flt vn with asp min
32.68	Veins	38		qtz	FLT	70			1cm thick flt vn
32.72	Fractures	81		cy		50			cy microfrac x-cutting
35.4	Bedding	46				35			thin slst interbed in phyllite
36.1	Bedding	46				25			phyllite interbed in QPC
36.27	Bedding	46				35			phyllite interbed in QPC
36.3	Fractures	81		cy		25			x-cutting cy microfracs
40.03	Fractures	81		asp		30			microfrac hosting asp
40.09	Fractures	81		asp		35			asp/py along microfrac
43	Bedding	46				35			thin slst interbed in phyllite
44.57	Veins	38		qtz	FLT	30	130		0.3cm vuggy flt vnlet
44.57	Veins	38		qtz	SHTV	65	284		0.3cm thick vuggy flt vnlet with cy
44.72	Veins	38		qtz	SHTV	55	141		0.3cm vuggy qtz vnlet with cy
44.96	Veins	38		qtz	SHTV	55	292		0.5cm vuggy qtz vnlet with cy alt
45.17	Veins	38			SHTV	30	108		0.3cm vugg qtz vnlet, cy alt
46.19	Contact					50			flt gouge contact
47.03	Veins	38			SHTV	50	67		0.5cm thick vuggy vn, cy alt
47.7	Bedding					10	330		slst interbed in phyllite
47.75	Veins	38			SHTV	40	60		0.5cm thick vuggy vn, cy alt
48.3	Bedding	46				5	285		slst interbed in phyllite
48.77	Veins	38			SHTV	60	210		0.7cm thick vuggy vn

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-001	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	285	51				

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
49.44	Veins	38			SHTV	50	225		0.3cm vuggy qtz vnlet

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
31801	6	9	2012	Expl Geochem	H-split	QZVN.frac	3.140	9034.300	0.630	0.002	8.200	0.690
31802	9	10	2012	Expl Geochem	H-split	QZVN.frac	0.680	8841.300	0.540	0.001	5.500	0.640
31803	10	11	2012	Expl Geochem	H-split	QZVN.frac	0.490	7492.500	0.960	0.001	6.100	0.660
31804	11	12	2012	Expl Geochem	H-split	QZVN.frac.VG	0.050	5146.800	0.380	0.000	5.000	0.630
31805	12	13	2012	Expl Geochem	H-split	QZVN.frac	0.050	1608.700	0.270	0.001	8.400	0.530
31806	13	14	2012	Expl Geochem	H-split	QZVN.frac.VG	0.050	6006.500	0.250	0.000	4.600	0.710
31807	13	14	2012	Blank	LWS_2011	QZVN.frac.VG	0.050	15.100	0.340	0.001	7.800	0.110
31808	14	15	2012	Expl Geochem	H-split	QZVN.frac	0.440	2585.000	0.410	0.001	9.900	0.760
31809	15	16	2012	Expl Geochem	H-split	MT-CO.stk	2.080	1326.200	0.170	0.001	10.500	0.570
31810	16	17	2012	Expl Geochem	H-split	MT-CO.stk	0.040	562.200	0.300	0.002	12.600	0.490
31811	17	18	2012	Expl Geochem	H-split	MT-CO.gg	0.003	18.600	0.260	0.001	18.600	0.480
31812	18	20	2012	Expl Geochem	H-split	MT-CO.pbl	0.011	334.200	0.370	0.001	26.400	0.620
31813	20	22	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	59.600	0.150	0.002	10.500	0.450
31814	22	24	2012	Expl Geochem	H-split	MT-Phy.bx	0.016	71.000	0.320	0.001	47.300	0.470
31815	24	25	2012	Expl Geochem	H-split	MT-Phy.fol	0.022	50.700	0.270	0.002	40.800	0.530
31816	25	27	2012	Expl Geochem	H-split	MT-Phy.gg	0.188	727.100	0.420	0.018	48.200	0.610
31817	27	29	2012	Expl Geochem	H-split	MT-Phy.fol	0.193	40.800	0.270	0.002	30.600	0.560
31818	29	29.7	2012	Expl Geochem	H-split	MT-Phy.fol	0.391	54.100	0.170	0.002	80.300	0.580
31819	29.7	32	2012	Expl Geochem	H-split	MT.SS.cgr	0.003	34.200	0.320	0.001	25.400	0.480
31820	32	34.5	2012	Expl Geochem	H-split	MT.SS.cgr	0.027	233.500	0.290	0.005	20.700	0.570
31821	34.5	36.05	2012	Expl Geochem	H-split	MT-Phy.fol	0.005	51.200	0.450	0.002	58.700	0.570
31822	36.05	38.4	2012	Expl Geochem	H-split	MT-Phy.gg	0.005	35.800	0.320	0.002	52.700	0.600
31823	38.4	39.8	2012	Expl Geochem	H-split	MT.CO.pbl	0.014	15.100	0.520	0.001	16.800	0.500
31824	39.8	40.8	2012	Expl Geochem	H-split	MT.CO.frac	0.012	318.100	0.400	0.006	19.200	0.470
31825	40.8	41.65	2012	Expl Geochem	H-split	MT.CO.frac	0.022	306.700	0.070	0.001	14.500	0.480
31826	41.65	43.9	2012	Expl Geochem	H-split	MT-Phy.gg	0.009	41.200	0.280	0.002	51.900	0.570
31827	43.9	46.15	2012	Expl Geochem	H-split	MT.CO.sil	0.016	28.000	0.450	0.002	27.000	0.410
31828	46.15	47.17	2012	Expl Geochem	H-split	MT-Phy.fol	0.003	36.600	0.310	0.002	48.200	0.510
31829	47.17	49	2012	Expl Geochem	H-split	MT.CO.pbl	0.003	34.400	0.230	0.001	45.700	0.550
31830	47.17	49	2012	STND	CDN-1P5f	MT.CO.pbl	1.171	3.700	0.470	0.001	52.600	9.830
31831	47.17	49	2012	DUP	Q-Split	MT.CO.pbl	0.003	33.600	0.210	0.001	43.800	0.570
31832	49	51	2012	Expl Geochem	H-split	MT-Phy.fol	0.232	80.100	0.320	0.004	81.700	0.620

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Sleeping Giant Zone **Hole ID:** 3ASG-12-002 **Logger:** JAW **Grant No.:** YC72727

Location

Easting:	Northing:	Latitude:	Longitude:
534668.6	6844102.3		

Elevation: 1213 m **Grid Name:** NA

Datum:	UTM Zone:	Grid N:	Grid E:
NAD83	9		

Orientation

Plunge: 50
Azimuth: 290
EOH: 51.0 m
Core Size: HQ

Start Date: 14/07/2012
Finish Date: 15/07/2012
Status: Completed
Contractor: Driftwood

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
12	48.9	293	5688	Reflex	1
51	47.8	293.3	57129	Reflex	1

Objective:

To test the strike extent of the Au-bearing quartz vein exposed in SG-3A12-T001. This is a NE step out of 25 m and the target depth is approximate 10-15 m.

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	4.5	no core received	CASING		100.0%				co	1
4.5	33.58	Grey, fairly competent, clast supported QPC. Lower contact is sharp; no upper contact. SHTV and Vnlets throughout the entire unit with some SHTV showing signs of Chlorite alteration. LIM is also seen throughout the unit in all fractures and along borders of the majority of veins and vugs. Pervassive Cy-SMGR throughout entire unit and cy infill of fractures. Upper portion of unit shows intervals of BFZs that extend to ~20m with some intervals more brittle than others.	MT-CO	pbl	90.0%	gy			co	1
4.5	33.58	competent qzvn within QPC unit from 4.5-5.5m. Strong asp and weak py mineralization. 5% asp mineralization locally infilling vugs and fractures.	QZVN	frac	7.0%	w			co	1
4.5	33.58	Interbedded MT-PHY in QPC from 31.35-31.80 with sharp upper and lower contacts. MT-PHY interbed is highly deformed (Cataclasite) with py mineralization within fractures.	MT-Phy	vfgr	1.5%	n			co	1
4.5	33.58	Thin interbedded layers within MT-phy (~1mm)	MT-SILT	vfgr	0.5%	gy			co	1
33.58	47.1	vgr well foliated blk phy. Contains thin siltstone interbecs with larger QPC interbedding. Upper/Lower contact is sharp. Contains SHTV/Vnlets that are often mineralized with py. OR LIM alt in fractures. BFZ containing GG material from 36-37. Fractures are often preferentially infilled with py mineralization	MT-Phy		60.0%	n			co	1
33.58	47.1	grey, clast supported qtz pbl conglomerate with pervassive cy-smgr throughout. Contains SHTV and Vnlets that are largerly microfractured and vuggy with tr mineralization. No LIM alteration	MT-CO		30.0%	gy			co	1
33.58	47.1	thin interbedded layers within MT-Phy (~1mm), grey	MT-SLT		5.0%	gy			co	1
33.58	47.1	SHTV/Vnlets within the MT-Phy unit. Often mineralized predominatly with py.	QZVN		5.0%	w			co	1
47.1	51	Grey, fairly competent, clast supported QPC. Upper contact is sharp; no lower contact. SHTV and Vnlets throughout the entire unit with some SHTV showing signs of Chlorite/py/asp alteration. Pervassive Cy-SMGR throughout entire unit and cy infill of fractures.	MT-CO		85.0%	gy			co	1
47.1	51	shtv/vnlets throughout interval, 0.1mm-5cm in thickness, variable spacing, microfractured, diss/vug py mineralization in veins/vugs,	QZVN		15.0%	w			co	1

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
4.5	20		LIM	2	vn	o
4.5	20		LIM	3	frac	o
4.5	20		LIM	3	vug	o
4.5	51	through all qpc units	cy	1.5	smgr	gy
5	9	sillimanite alteration was restrictive to larger pbl intervals within the shallow qpc unit	SIL	1	perv	gy
9.79	10		SCOR	2.5	perv	g
25	33.65	sillimanite alteration was restrictive to larger pbl intervals within the shallow qpc unit	SIL	1	perv	gy
29	32		LIM	2	vug	o
29	32		LIM	2	frac	o
29	32		LIM	1	vn	o
30	32		SCOR	1.5	perv	g
35	36		SIL	1	perv	gy
35	36	Fractures are cy filled	cy	1.5	frac	w
35	36	Throughout QPC interbed	cy	1.5	smgr	w
37	38	Thougout QPC	cy	1.5	smgr	w
40.02	40.06	Gouge	ARG	2	frac	gy
40.79	42.53	Fractures are cy filled	cy	1.5	frac	w
40.79	42.53	Thougout QPC	cy	1.5	smgr	w
45	51	Only on QPC not SHTV/veinlets	SIL	1	perv	gy
45	51	Fractures are cy filled	cy	1.5	frac	w

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
4.5	5.5	QZVN	400.0%	SHTV	Solid vein
5.5	10.22	FZ	250.0%	BFZ	Blocky, weak, fractured
12.19	19.29	QZVN	200.0%	stwk	Veinlets+sheet-like type
16.88	17.63	FZ	200.0%	BFZ	Blocky, weak, fractured
19.29	19.79	FZ	200.0%	BFZ	Blocky, weak, fractured
20.65	20.88	FZ	300.0%	BFZ	Moderate, gg infill, blocky
24.12	24.82	QZVN	200.0%	stwk	SHTV, veinlets
28.13	29.03	QZVN	150.0%	stwk	SHTV, veinlets
29.28	29.33	FZ	400.0%	gg	Very fine claylike gg holds no structure
30	31.45	QZVN	200.0%	stwk	SHTV, veinlets
31.82	33.38	QZVN	200.0%	stwk	SHTV, veinlets
36.05	36.74	FZ	300.0%	gg	Semi competent
36.74	37.71	QZVN	200.0%	stwk	SHTV, veinlets
40.02	40.06	FZ	400.0%	gg	Very fine gg infill, hold no structure
40.28	40.79	FZ	400.0%	CSZ	Py mineralization

From	To	Mineral	Intensity	Distribution	Comments
40.79	42.53	QZVN	200.0%	stwk	SHTV, veinlets
43.27	44.22	FZ	400.0%	CSZ	py min
45	51	QZVN	250.0%	stwk	SHTV, veinlets

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
4.5	5.5	Diss asp w/in open vug, euhedral	asp	0.05	vug
4.5	5.5	Asp infill fracture in QZVN ~ 3-4% locally	asp	0.05	frac
5.5	10	Anhedral	py	0.01	vug
5.5	10	Euhedral, 4% locally, largerly next to qtz pbl/vn	py	0.05	diss
9.79	10	Anhedral	asp	0.2	vug
9.79	10	Euhedral	asp	0.2	diss
9.79	10	Very local asp min, large xstals	asp	0.2	vn
10	32	Trace	py	0.0001	diss
30	32	Euhedral	asp	0.05	vug
30	32	Euhedral 3% locally	asp	0.05	diss
32	33.65		py	0.05	diss
37	38	Diss through QPC, anhedral	py	0.02	diss
38	38.3	py min w/in phy unit	py	0.05	vn
38.3	51	Diss through QPC, anhedral	py	0.01	diss
45.8	46.2	Fracture filling py min, 3% locally	py	0.05	frac

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
5.63	Veins			qtz	SHTV	10			1 cm thick micro frac
6.1	Joints			qtz		50	170		Clean, cy/qtz infill
6.41	Joints					10			Clean, lots of LIM
7.05	Veins			qtz	SHTV	30			1 cm thick, vuggy, micro fract
7.29	Joints					25			Irregular, cy/qtz infill
7.35	Veins			qtz	SHTV	40			0.5 cm thick, microfr, vn
8.59	Veins			qtz	SHTV	45			1 cm thick, vuggy, py min
9.68	Veins			qtz	SHTV	65			5 cm thick, vuggy, cy infill, micro fracture
10.05	Veins			qtz	SHTV	70			0.5 cm, thick, vuggy, micro fracture
10.11	Joints					40			Clean, cy/qtz infill
10.21	Veins			qtz	SHTV	75			2 cm thick, vuggy, micro-fracture
10.6	Veins			qtz	SHTV	40			2 cm thick, vuggy, micro fracture
10.97	Veins			qtz	SHTV	35			Vuggy, 1.5 cm thick
11.53	Joints					20			Irregular, Cy infill
11.87	Veins			qtz	SHTV	40			0.3 cm thick, vuggy

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
12.09	Faults					45			Py infill, shows displacement
12.3	Veins			qtz	SHTV	60			0.2 cm thick, vuggy, py infill
12.35	Faults					40			Shows displacement
12.42	Joints					10			Clean clay, and qtz infill
12.8	Faults					20			Show displacement, cy infill
12.86	Veins			qtz	SHTV	40			0.5 cm thick, vuggy, micro-fractured
12.95	Veins			qtz	SHTV	40			0.5 cm thick, vuggy, micro-fracture
13	Veins			qtz	SHTV	80			2.0 cm thick, vuggy, micro-fractured, cy/py infill
15.16	Veins			qtz	Veinlets	50			
15.26	Veins			qtz	SHTV	30			1.0 cm thick, micro-fractured
15.34	Veins			qtz	Veinlets	30			
15.7	Joints					20			Clean, cy infill
16.88	Veins			qtz	SHTV	30			0.5 cm thick, micro-fractured
16.92	Faults					5			Cy and qtz infill
17.89	Bedding	17	Sx			25			
18.04	Veins			qtz	SHTV	45	330		1.0 cm thick, vuggy, micro-fractured, cy infill
18.09	Joints					30	40		Irregular, cy infill
18.24	Veins			qtz	SHTV	35	340		Vuggy, micro-fractured, 0.5 cm thick
18.41	Veins			qtz	SHTV	70	30		0.2 cm thick, vuggy, cy infill
19.03	Veins			qtz	SHTV	60			4.0 cm thick, vuggy, cy infill
20.05	Joints					65			Clean, qtz/cy infill
20.32	Veins			qtz	SHTV	60			0.2 cm thick, vuggy cy infill
20.41	Veins			qtz	SHTV	70			0.5 -1.0 cm thick, vug, micro-fractured
21.12	Joints					40	50		Clean fracture qtz infill
21.17	Joints					40	200		Clean fracture, cy infill
21.83	Faults					30			Show separation
21.93	Veins			qtz	SHTV	60			0.5 cm thick, vuggy along borders, micro-fractured
22.3	Veins			qtz	SHTV	10			0.2 cm thick, vuggy
23.9	Veins			qtz	SHTV	55	232		0.5 cm thick, vuggy, micro-fractured
24.57	Veins			asp	STWK	65	336		Asp infill of a fault fractures
24.83	Veins			qtz	SHTV	30	70		0.3 cm thick, vuggy, cy infill
24.93	Joints			cy		10	272		Asp/py mineralization
25.03	Veins			qtz	SHTV	50	340		1.0 cm thick, micro-fractures, py mineralization
25.49	Joints					50	142		Clean cy/ank infill
25.79	Veins			qtz	SHTV	45	322		2.0 cm micro-fractured
26.01	Veins			qtz	SHTV	75	310		3.0 cm thick, vuggy, micro-fractures
26.55	Veins			qtz	SHTV	75	308		0.5 cm thick, vuggy, micro-fractures, asp-py min
26.83	Veins			qtz	SHTV	15	34		0.5 cm thick, vuggy, micro-fractures
26.98	Joints					25	222		Cy/ank infill

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
27.08	Veins			qtz	SHTV	30	220		0.5 cm thick, micro-fractured
27.61	Veins			qtz	SHTV	35	15		1.0 cm thick, micro-fractures
29.32	Contact				Gouge	55	15		Sharp
29.45	Veins			qtz	SHTV	50	20		3.0 cm thick, vuggy, microfractured
30	Joints					60	225		Clean, cy/ank infilling
31.51	Contact					40			Between a QPC and Phy
31.79	Contact					20			Between a QPC and Phy
33.65	Contact					30	260		Between a QPC and Phy, min in Phy
33.77	Bedding					25	0		Siltstone interbed
36	Contact					15	292		Between a QPC and Phy sharp
38.42	Contact					50			Between a QPC and Phy clean
38.98	Contact					60	38		Between a QPC and Phy sharp
39.54	Contact					45	55		Between a QPC and Phy
40.03	Contact					80	42		Lower gouge contact
40.84	Contact					40			Between a QPC and Phy sharp
42.4	Veins			qtz	SHTV	30	350		1.5 cm thick, very vuggy, cy infill
43.15	Bedding					5	250		Siltstone interbed
43.75	Bedding					35	270		Siltstone interbed
44.73	Veins			qtz	SHTV	25	110		3.0 cm thick, micro-fractured (py) chlorite alteration
44.86	Veins			qtz	Veinlets	70	357		0.5-1.0 cm spacing
44.96	Faults					20	320		py filled, shows displacement
45.34	Veins			qtz	SHTV	40	135		8.0 cm thick, vuggy, micro-fractures, py/asp

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
31901	4.5	5.5	2012	Expl Geochem	H-split	QZVN.frac	0.170	4313.300	0.220	0.001	15.300	0.690
31902	5.5	7	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	962.700	0.180	0.002	21.800	0.630
31903	7	9	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	1669.700	0.170	0.001	24.900	0.470
31904	9	10	2012	Expl Geochem	H-split	MT-CO.pbl	0.180	10000.000	0.200	0.001	21.100	0.590
31905	10	12	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	3687.000	0.160	0.001	22.100	0.560
31906	12	14	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	1234.000	0.150	0.001	23.300	0.420
31907	14	16	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	309.200	0.270	0.001	18.900	0.430
31908	16	18	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	859.600	0.220	0.001	23.400	0.550
31909	18	20	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	1401.200	0.430	0.001	26.400	0.480
31910	20	22	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	238.500	0.120	0.001	19.000	0.470
31911	22	24	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	184.400	0.120	0.001	13.000	0.410
31912	24	25	2012	Expl Geochem	H-split	MT-CO.pbl	6.360	10000.000	0.500	0.001	13.300	0.590
31913	25	27	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	545.700	0.100	0.001	15.600	0.430

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-002	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	290	51				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
31914	27	28	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	38.400	0.090	0.001	11.500	0.470
31915	28	29	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	350.200	0.120	0.001	10.000	0.480
31916	29	30	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	1171.400	3.070	0.001	17.000	0.480
31917	30	31	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	2553.100	0.190	0.001	16.400	0.460
31918	31	32	2012	Expl Geochem	H-split	MT-CO.pbl	1.060	10000.000	0.910	0.002	57.900	0.840
31919	32	33.65	2012	Expl Geochem	H-split	MT-Phy.fgr	0.040	348.000	0.270	0.001	36.900	0.490
31920	33.65	35	2012	Expl Geochem	H-split	MT-Phy.fgr	0.150	2846.100	0.560	0.001	62.900	0.860
31921	35	36	2012	Expl Geochem	H-split	QZVN	0.090	7960.800	0.260	0.001	16.500	0.630
31922	36	37	2012	Expl Geochem	H-split	MT-Phy.gg	0.170	6099.400	0.520	0.002	57.400	0.660
31923	37	38	2012	Expl Geochem	H-split	MT-CO.pbl	0.570	141.800	0.330	0.001	44.000	0.550
31924	38	40.79	2012	Expl Geochem	H-split	MT-Phy.fgr	0.030	38.200	4.350	0.002	62.600	0.630
31925	40.79	42.53	2012	Expl Geochem	H-split	MT-Phy.fgr	0.054	55.400	0.370	0.002	33.100	0.390
31927	42.53	45	2012	STND	CDN-GS-8B	MT-Phy.fgr	7.327	1028.600	0.700	0.001	43.500	11.110
31928	42.53	45	2012	DUP	Q-Split	MT-Phy.fgr	0.061	86.100	0.350	0.002	65.700	0.510
31926	42.53	45	2012	Expl Geochem	H-split	MT-Phy.fgr	0.053	85.700	0.360	0.003	78.200	0.460
31929	45	47	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	166.200	1.400	0.001	29.100	0.400
31930	47	49	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	47.500	2.630	0.000	21.900	0.360
31931	49	51	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	102.000	0.170	0.001	21.500	0.450

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Sleeping Giant Zone **Hole ID:** 3ASG-12-003 **Logger:** JRI **Grant No.:** YC72727

Location

Easting:	Northing:	Latitude:	Longitude:
534614.4	6844181.3		

Elevation: 1252 m **Grid Name:** NA

Datum:	UTM Zone:	Grid N:	Grid E:
NAD83	9		

Orientation

Plunge: 50
Azimuth: 300
EOH: 51.0 m
Core Size: HQ

Start Date: 15/07/2012
Finish Date: 16/07/2012
Status: Completed
Contractor: Driftwood

Objective:
To test the down dip extent of the Mesa.

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
18	48.7	307.5	56716	Reflex	1
51	48.2	308.3	57005	Reflex	1

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	3	Casing	CASING		100.0%				co	1
3	12.63	Grayish quartz pebble conglomarate, clast-supported, fractured, limonite alteration, staining, vuggy, mineralization in fractures, an increase in silisification to wards the end of the interval, sharped lower contact.	MT-CO	pbl	85.0%	gy	qtz	80	co	2
12.63	13.75	Black fine-grained phyllite, fractured, mineralization in fractures, limonite alteration, staining, silisification 1. Lower conact in fault zone.	MT-Phy	fgr	95.0%	n			fr	3
12.63	13.75	Very thin siltstone interbed, sheeted veins, veinlets.	MT-SS	mgr	5.0%	gy			fr	1
13.75	20.17	Grayish quartz pebble conglomarate, clast supported, orange limonite alteration, staining, mineralization in fractures, silisification 3, sharped lower contact w/Phyllite.	MT-CO	pbl	70.0%	gy	qtz	90	co	1
13.75	20.17	Brecciated quartz veins	QZVN	frg	20.0%	w			co	1
13.75	20.17	Phyllite fine-grained, black, siltstone interbeding, crashed.	MT-Phy	fgr	10.0%	n			fr	1
20.17	20.9	Black fine-grained phyllite, orange limonite alteration, sil. 2, fracture controlled alteration, siltstone interbed, sheeted veins, veinlets, sharped lower contat w/QPC, mineralization in fractures	MT-Phy	fol	90.0%	n			co	1
20.9	22.45	Grayish QPC, clast supported, mineralization in fractures and disseminated, orange limonite alteration, silisifiation 3, sharped lower contact w/Phyllite	MT-CO	pbl	85.0%	gy	qtz	95	co	1
20.9	22.45	Smoky quartz vein, sheeted veins, veinlets, mineralization in fractures.	QZVN	frg	15.0%	w			co	1
22.45	24.03	Black fine-grained phyllite, sheeted veins, veinlets, orange limonite alteration, siltstone and QPC intebed, silisification 2, irregular lower contact w/QPC, fracture contolled alteration, mineralization in fractures	MT-Phy	fgr	80.0%	n			co	1
24.03	27.8	Grayish QPC, clast supported, orange limonite alteration, staining, fracture controlled alteration, mineralization in fractures, silisification 3, fault zone in lower contact w/Phy	MT-CO	pbl	30.0%	gy	qtz	95	co	2
27.8	34	Black fine-grained phyllite, fractured, limonite alteration, fracture controlled alteration, mineralization in fractures, sheeted veins, veinlets.	MT-Phy	fgr	60.0%	n			co	1
27.8	34	Sandstone interbed w/phyllite, medium-grained, smalls quartz veins, scorodite alteration, very competent bed.	MT-SS	mgr	30.0%	gy			co	1
34	40.8	Grayish QPC, clast supported, orange limonite alteration, staining, fracture controlled alteration, mineralization in fractures, silisification 3. QZVN rosty, mineralization in fractures and dissemimated.	MT-CO	pbl	60.0%	gy	qtz	95	co	3
34	40.8	Black and fine-grained phyllite, crushed, fractured.	MT-Phy	fgr	10.0%	n			fr	3

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
40.8	48	A brecciated quartz vein with abundant asp+py veining in the matrix of the bx.	QZVN	bx	100.0%	w			co	3
48	51	Grayish QPC, clast supported, orange limonite alteration, staining, fracture controlled alteration, mineralization in fractures, silisification 3. QZVN rosty, mineralization in fractures and dissemimated.	MT-CO	pbl	100.0%	gy	qtz	75	co	1

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
3	12.76	Throughout QPC	cy	1	smgr	w
3	11.8		LIM	3	vug	o
3	11.8		LIM	3	vn	o
3	10.98		SIL	1	perv	gy
3	11.8		LIM	3	frac	o
10.98	22.45		SIL	2	perv	gy
11.8	21.7		LIM	2.5	frac	o
11.8	21.7		LIM	2.5	vug	o
11.8	21.7		LIM	1	frac	o
12.76	13.77	cy infilling at fractures	cy	1	vn	t
13.77	20.23	Throughout QPC	cy	1	smgr	gy
21	22.45	Throughout QPC	cy	2	smgr	gy
24	27.5	Throughout QPC	SIL	1	perv	gy
24	27.8		cy	1	smgr	w
26.47	27.8		LIM	1	frac	o
30.26	31.54		LIM	1	frac	o
34	51	Throughout QPC+Qtz	LIM	1	frac	o
34	48	Throughout QPC+Qtz	SIL	1	perv	gy
34	51	Throughout QPC	cy	1.5	smgr	w
40.8	47.43	Ox. Asp mineralization	SCOR	1	diss	gr

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
3.55	7.16	FZ	350.0%	bx	QPC and Phy mix, clayey
10.43	10.68	FZ	200.0%	BFZ	QPC broken core
13.32	13.77	FZ	300.0%	bx	Gouge, broken core
16.67	16.92	FZ	400.0%	bx	gouge, clayey
17.47	17.77	QZVN	200.0%	SHTV	Broken core, smoky QZVN
19.68	19.9	FZ	200.0%	bx	Crushed core
28.27	28.42	FZ	250.0%	BFZ	Crushed core
35.42	35.92	FZ	350.0%	BFZ	Gouge, clayey
38.7	39	FZ	200.0%	BFZ	Crushed core, staining, clayey
39.2	40.32	QZVN	300.0%	SHTV	Crushed core, rusty QZVN
46.08	46.33	FZ	350.0%	BFZ	Gouge, clayey, rusty QZVN
48.89	48.68	FZ	200.0%	BFZ	Cruched core, staining, clayey

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
3	9	Smalls diss. Cubics crys.	py	0.005	diss
9	15	Py ocurring with asp in fracs	py, asp	0.015	frac, diss
15	18	Py/Asp ocurring in fracs and vuggs	py, asp	0.02	frac, diss
18	21	1.5% locally (Apro. 18.5m) Asp in Qtz	py, asp	0.02	frac, diss
21	24	2.0% locally (Apro. 22.7m) Py in fracs.	py, asp	0.015	frac, diss
24	27	Small diss. Cubics crys.	py, asp	0.005	diss
27	30	Phy/Asp ocurring in fracs and vugs.	py, asp	0.01	frac, diss
30	33		py	0.005	frac, diss
33	39	Py ocurring in fracs and diss	py	0.005	frac, diss
39	42	Asp coating fracs in QZVN	asp	0.01	frac
42	45	Galena (Aprox. 44.8m) QZVN	asp, gln	0.01	frac
45	48	Massive asp, ocurring in fracs	asp, py	0.015	frac, diss
48	51	Py ocurring in vuggs	asp, py	0.01	vug, frac, diss

Point Structure

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-003	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	300	51				

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
3.25	Veins			qtz	SHTV	65			Vuggy, 0.5cm thick, lim alteration
7.23	Veins			qtz	SHTV	60			1.0 thick, microfractures
7.43	Veins			qtz	Veinlets	90			
7.48	Veins			qtz	SHTV	80			0.5cm thick, micro fractures, vuggy cy infilling
7.53	Fractures					60			Clean strg lim alteration
8	Fractures					30			Clean strg lim alteration
8.09	Veins			qtz	SHTV	30			white, vuggy at borders, 1cm thick
8.24	Veins			qtz	SHTV	50			2.0cm thick, very vuggy, cy infilling
8.84	Veins			qtz	FLTV	15			2.0cm thick, vuggy, cy infilling
10.86	Veins			qtz	SHTV	85			0.5cm thick, 10cm spacing, micro-frac, vuggy
11.03	Veins			qtz	SHTV	80	274		20cm thick, micro-frac
11.24	Veins			qtz	FLTV	75	100		Vuggy, 0.5cm thick, strong lim
11.44	Faults					25	228		Clean, show displacement
11.56	Veins			qtz	SHTV	25	228		1.5cm thick, Py min, fractured
11.66	Fractures			qtz		15	216		Clean, Qtz infill
12.64	Contact					10			b/t MT-CO/MT-Phy
13.74	Bedding		So			10			Phy interbed in sandstone
14.16	Veins			qtz	SHTV	75			2.5cm thick, fractured
15.6	Veins			qtz	SHTV	40			0.5cm thick, micro-frac
15.74	Veins			qtz	SHTV	65			1.5cm thick, fractured
15.88	Veins			qtz	SHTV	50			1.0cm thick, vuggy
17.03	Veins			qtz	SHTV	65			3.5cm thick, asp mineralization
17.95	Fractures					65			clean, weak limonite alteration
18.49	Veins			qtz	SHTV	60			0.5m thick, vuggy
20.92	Veins			qtz	SHTV	75	30		0.15 thick, py infill
21.1	Contact					15	5		MT-Phy/MT-QPC
22.4	Contact					10			MT-QPC/MT-Phy
22.95	Bedding		So			15	330		Phy interbed in sandstone
23.1	Veins			qtz	SHTV	15	40		Vuggy, phy infill
23.55	Bedding		So			20	330		Phy interbed in sandstone
24.48	Veins			qtz	SHTV	70	350		3.0cm thick, micro-frac
24.73	Veins			qtz	SHTV	50	290		1.0cm thick, vuggy
25.92	Veins			qtz	SHTV	60			1.5cm thick, micro-frac
28.5	Veins			qtz	SHTV	50	340		2.0cm thick, py infill
28.67	Bedding		So			30	290		Phy interbed in sandstone
29	Fractures			py		15	340		Py infill
29.49	Fractures			py		35	240		py infill
29.68	Bedding		So			10	20		Phyllite interbed in sandstone
30.58	Veins			qtz	SHTV	35			1cm thick, fractured

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
32.19	Fractures			py		30			py infill
32.33	Fractures			py		20			py infill
33.47	Bedding					10			Phyllite interbed in sandstone
34.45	Veins			qtz	SHTV	40			2.0cm thick, asp infill
37.35	Contact					25			MT-CO/MT-Phy
37.55	Fractures			asp		40			Asp. Infill
37.83	Veins			qtz	SHTV	50			8.0cm thick, py infill, vuggy
40.35	Veins			qtz	SHTV	55			1.0cm thick, vuggy
40.8	Contact					25			Brecciated contact MT-QPC/QZVN
41.16	Fractures					65			Clay infill
41.66	Fractures					35	340		Frac. In QZVN, limonite alteration
43.04	Fractures			asp		35			Asp. Infill
43.85	Fractures					30	280		clean, frac. In QZVN
47.51	Fractures					55			clean, frac. In QZVN
47.6	Contact					45			Brecciated contact QZVN/QPC
47.87	Fractures			asp		60	65		Asp. Infill, clayey
48.14	Veins			qtz	SHTV	25			10cm thick, py infill, vuggy

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
31932	3	6	2012	Expl Geochem	H-split	MT-CO.pbl	0.040	1849.000	0.090	0.004	27.500	0.420
31933	6	8	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	687.400	0.005	0.001	31.200	0.500
31934	8	10	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	131.400	0.005	0.002	11.700	0.370
31935	10	12	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	73.200	0.005	0.001	9.600	0.360
31936	12	14	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	737.200	0.005	0.001	42.600	0.430
31937	14	16	2012	Blank	LWS_2011	MT-CO.pbl	0.003	0.100	0.170	0.000	8.000	0.110
31938	14	16	2012	DUP	Q-Split	MT-CO.pbl	0.054	1154.800	0.040	0.009	22.900	0.390
31939	14	16	2012	Expl Geochem	H-split	MT-CO.pbl	0.040	1002.700	0.230	0.011	22.600	0.370
31940	16	18	2012	Expl Geochem	H-split	MT-CO.pbl	0.070	5874.500	0.030	0.001	20.300	0.610
31941	18	19	2012	Expl Geochem	H-split	MT-CO.pbl	0.670	10000.000	0.200	0.002	12.500	0.790
31942	19	20	2012	Expl Geochem	H-split	MT-CO.pbl	0.160	10000.000	0.540	0.041	15.800	0.750
31943	20	22.45	2012	Expl Geochem	H-split	MT-CO.pbl	0.080	5168.900	0.370	0.017	25.200	0.530
31944	22.45	24	2012	Expl Geochem	H-split	MT-Phy.fgr	0.030	445.000	0.420	0.011	46.400	0.560
31945	24	26	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	1321.800	0.005	0.003	14.800	0.440
31946	26	27.8	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	2259.400	0.290	0.004	6.800	0.500
31947	27.8	30	2012	Expl Geochem	H-split	MT-Phy.fgr	0.030	386.200	0.140	0.001	46.300	0.520
31948	30	32	2012	Expl Geochem	H-split	MT-SS.mgr	0.050	54.300	0.020	0.001	32.700	0.510
31949	32	34	2012	Expl Geochem	H-split	MT-Phy.fgr	0.020	77.700	0.760	0.002	70.900	0.560

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-003	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	300	51				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
31950	34	36	2012	Expl Geochem	H-split	MT-SS.mgr	0.020	350.000	0.220	0.002	57.500	0.500
31951	36	38	2012	Expl Geochem	H-split	MT-CO.pbl	0.100	641.500	0.200	0.004	36.500	0.450
31952	38	40.8	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	500.700	0.005	0.004	14.900	0.430
31953	40.8	42	2012	Expl Geochem	H-split	QZVN.frac	0.270	10000.000	0.005	0.001	6.100	0.690
31954	42	43	2012	Expl Geochem	H-split	QZVN.frac	0.020	4047.000	0.005	0.001	6.200	0.550
31955	43	44	2012	Expl Geochem	H-split	QZVN.frac	0.040	4434.600	0.005	0.002	3.700	0.530
31956	44	45	2012	Expl Geochem	H-split	QZVN.frac	0.030	8582.900	1.120	0.003	5.100	0.750
31957	45	46	2012	Expl Geochem	H-split	QZVN.frac	0.060	8159.300	0.080	0.007	4.900	0.900
31958	46	47	2012	Expl Geochem	H-split	QZVN.frac	0.020	4846.400	0.520	0.014	4.200	0.550
31959	47	48	2012	Expl Geochem	H-split	QZVN.frac	0.010	3633.700	0.090	0.001	4.400	0.710
31960	48	50	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	2262.100	0.050	0.002	12.600	0.480
31961	50	51	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	3745.800	0.005	0.001	4.600	0.510

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Sleeping Giant Zone **Hole ID:** 3ASG-12-004 **Logger:** ACD **Grant No.:** YC72727

Location

Easting:	Northing:	Latitude:	Longitude:
534591.2	6844262.9		

Elevation: 1271 m **Grid Name:** NA

Datum:	UTM Zone:	Grid N:	Grid E:
NAD83	9		

Orientation

Plunge: 50
Azimuth: 310
EOH: 51.0 m
Core Size: HQ

Start Date: 16/07/2012
Finish Date: 17/07/2012
Status: Completed
Contractor: Driftwood

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
18	50	310.5	56835	Reflex	1
51	49.7	312.3	57009	Reflex	1

Objective:
This hole is designed to test the down dip extension of the quartz veins exposed at the 420 Showing.

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	3		CASING		100.0%				co	1
3	12.1	fgr, well foliated blk phy. No upper contact, lower contact is irregular and associated with a xcutting QZVN. Gouge material found at lower contact, poor recovery, suggest faulting occurred at contact. 3-6m phy is broken and oxidized from 3-7m (FZ?). Poor recovery and very broken core at 7-9m and 11-12m = area of intense faulting. Gouge material at 3.3m, 3.6m, 5.5m, 9.2m, and 12m. In general, unit is dominated by faulting. Unit shows qtz veining that are often mineralized with py/ asp.	MT-Phy	fgr	83.0%	n			co	2
3	12.1	mgr, predominantly oxidized and broken gy ss. Unit is interbedded into larger phy unit and occurs mainly from 3-7m depth. Contacts are sharp and show cy infill in fractures. Phy/ Asp mineralization on borders of STWK qtz veins at 6.41m	MT-SS	mgr	10.0%	gy			br	2
3	12.1	fgr, interbedded siltstone within phy unit, gy in color	MT-SLT	fgr	5.0%	gy			co	2
3	12.1	Frac white SHTV/ vnlets within MT-SS and MT-PHY, borders are mostly mineralized with aspy/ py, diss py throughout most veins	QZVN	frac	2.0%	w			br	2
12.1	16.3	Compentant gy sandstone with SHTV/ vnlets throughout. Frac/ Vn borders show strong LIM alt, SIL 2 alt throughout. ~2% anhedral py diss over entire unit. Upper contact is associated with xcutting qtz vn and gg material. 12m-15m= poor recovery, therefore, upper contact is fault associated. Cy-smgr	MT-SS	mgr	91.0%	gy			co	1
12.1	16.3	SHTV/ Vnlets/ flt vn/ TVA throughout. Vuggy, mineralized (asp/py), microfractured, LIM altered.	QZVN	frac	8.0%	w			co	1
12.1	16.3	Thin, fgr, blk phy interbeds, asp/ py mineralization	MT-Phy	fgr	1.0%	n			co	1
16.3	21.5	Clast supported QPC, 0.2-1.0cm qtz clasts (dominantly 0.2cm). Recessive cy alt of fspar clasts--0.1-1.0cm (domnantly 0.7cm). Non altered fspar clasts 0.1-1.0cm (dominantly 0.7cm). Upper contact gradational and associated with xcutting flt vns. Lower contact sharp. Ankerite occupying various fractures. Flt Vn/ SHTV/ vnlets/ TVAs throughout unit. Clast lithology and abundance is Qtz--74%, fspar--10%, cy--15%, lithic--1%	MT-CO	pbl	58.0%	gy	qtz	74	co	1
16.3	21.5	Flt Vns/ SHTV/ Vnlets, fractured and often vuggy/ LIM alt along borders. Vugs are predominantly filled with Ankerite. Larger Vns show evidence of late qtz development. All qtz has microfractures. Vn at 19m has calcite	QZVN	frac	27.0%	w			co	1
16.3	21.5	fault bounded broken blk phy. Upper/ Lower contacts contain gouge material. SER alt, fspar within unit, frac with clay infill	MT-Phy	fgr	18.0%	n			br	1

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Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-004	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	310	51				

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
21.5	23.8	competant gy sandstone with zones of oxidation, unit is mineralized with asp/ py diss throughout (~3%). Recessive cy-smgr throughout. FZ at 22.50m, upper contact sharp, lower contact and associated with xcutting vn. Oxidized zones in associated with veining. Ser/ Sil alt	MT-SS	mgr	69.0%	gy			co	1
21.5	23.8	Flt Vns/ SHTV/ Vnlets, borders often have asp/ py min, microfrac, vuggy and cy filled	QZVN	frac	30.0%	w			co	1
21.5	23.8	Thin, blk, interbedded phy beds within sandstone	MT-Phy	fgr	1.0%	n			co	1
23.8	33.82	Clast supported QPC, predominantly shows qtz clasts (0.1-0.5cm, 0.3cm dominantly). Zone of larger clast size at 31.90-33.00m (up to 1.5cm). Fspar clasts 0.1-1.0cm in size (0.4cm dominantly), Lithic clasts are black. Upper qtz veined contact, sharp lower contact. SHTV/ vnlets/ flt vn throughout unit. Diss py/ asp mineralization throughout. Large qtz vein showing evidence of faulting from 28m-30m. Cy-filled frac and LIM alt within fracs. Clast lithology and abundance are as follows: qtz--70%, fspar--20%., Cy--7%, Lith--3%	MT-CO	pbl	70.0%	gy	qtz	70	co	1
23.8	33.82	SHTV/ vnlets/ flt vn throughout interval, vuggy (often cy filled), microfractured, LIM + cy alt fracs, tr asp/ py min	QZVN	frac	25.0%	w			co	2
23.8	33.82	well foliated blk phy that is interbedded into QPC. Little to no qtz veining, cy filled fracs. Upper interbed shows a gradational lower contact that fades from Phy-->SS-->QPC, otherwise sharp upper and lower contacts.	MT-Phy	fgr	5.0%	n			co	1
33.82	38.82	competant gy sandstone with SHTV/ Vnlets throughout. Diss asp/py mineralization. Pervasive LIM alt associated with a FZ showing gg at 36m. Upper contact sharp, lower contact is qtz veined. Xcutting fractures leading up to FZ at 36m. Strong SER/ SIL alt throughout. Recessive cy-smgr fspar alt throughout	MT-SS	mgr	58.0%	gy			co	1
33.82	38.82	SHTV/ Vnlets, small SHTV often vuggy, selvedge asp/ LIM on large veins, mostly bull qtz	QZVN	frac	42.0%	w			co	1
38.82	51	Clast supported QPC with several coarsening uphole sequences with sharp upper contacts (transgressional events?) Upper contact is qtz veined, no lower contact. SIL/ SER alt throughout, Diss asp/ py mineralization, recessive cy-smgr fspar alt throughout. Clast lithology and abundance is as follows: qtz--70%, fspar--20%, cy--7%, lithic--3%	MT-CO	pbl	73.0%	gy	qtz	70	co	1
38.82	51	SHTV/ Vnlets throughout, massive qtz vn from 40.80m-43.00m. Strong aspy mineralization that are occupying vn/ vug (cgr xtls up to 2cm size), perv scor alt in qtz vn. SHTV are vuggy, microfrac and LIM-cy filling various frac.	QZVN	frac	25.0%	w			co	1
38.82	51	fgr blk phy interbed, brecciated upper and lower contact, aspy mineralized	MT-Phy	fgr	2.0%	n			co	1

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
3	12	MT-PHY very broken, intense LIM along fracs and microfracs	LIM	3	frac	o-br
3	12	along very broken surfaces in MT-PHY, occurs always with LIM	hem	1	frac	r
3	12	always occurs with LIM	hem	1	vn	r
3	12	diss subtly within MT-PHY	hem	1	diss	r
3	12	intense along foln planes of brokem MT-PHY	LIM	3	fol	o-br
3	12	Rimming qtz vn boundaries and microfracs within vns	LIM	3	vn	o-br
12	21.5	vfgr, diss withing MT-SS.mgr	ser	2	diss	g
12	21.5	perv withing MT-SS.mgr	ser	2	perv	g
12	25.43	vug coating	LIM	2.5	vug	o
12	25.43	coating QZVN boundaries, and small veinlets	LIM	2.5	vn	o
12	25.43	Within MT-SS and MT-CO along microfracs	LIM	2.5	frac	o
12	25.43	Recessive weathering of fpsar grains, LIM replacement	LIM	2.5	smgr	o
12.1	16.3	within MT-SS.mgr	SIL	2	perv	gy
16.17	25.43	small ~1mm vnlets	cy	2.5	vn	t
16.17	25.43	80% of fspar clasts have been recessively weathered and clay altered, intensity varies locally	cy	2.5	smgr	t
16.17	25.43	vug coating	cy	2.5	vug	t
25.43	26.5	within MT-CO	SIL	2	perv	gy
25.43	26.5	rarely within fspar grains that have been cy altered, near end of interval only	ser	1.5	smgr	g
25.43	26.5	mainly diss in MT-SS matrix	ser	1.5	diss	g
26.3	26.5	wkly altered fspar grains, recessively weathered	cy	1	smgr	w
26.5	27.23	along rare fracs	LIM	1	frac	o
26.5	27.23	vnlets within MT-CO.pbl	LIM	1	vn	o
26.7	27.15	QZVN boundaries and microfracs	LIM	3	vn	o
26.7	27.15	acts as coating along broken QZVN surfaces (fault)	LIM	3	frac	o
27.23	30.67	vug coating	cy	2	vug	w
27.23	33	strong! Within veinlets	LIM	3	vn	o
27.23	33	vug coating	LIM	3	vug	o
27.23	33		LIM	3	frac	o
27.23	33	Often in association with cy altered fspar grains	LIM	3	smgr	o
27.23	33	fault zone	LIM	3	gouge	o
27.23	30.67	rare	cy	2	vn	w
27.23	30.67	dominantly replacing/ alt fspar clasts and usually occurs with LIM	cy	2	smgr	w
30.67	32.4	within MT-CO.pbl	SIL	2	perv	gy
30.67	32.4	light blue hue locally, 95% of this alt within mtx of MT-CO	ser	1	diss	g
30.67	32.4	rare, ~5%	ser	1	smgr	g
32.46	34	replaces fspar clasts	cy	1.5	smgr	w
32.46	34	fills small vugs in QZVN	cy	1.5	vug	w
32.46	34		cy	1.5	vn	w

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
33	40.71	veinlets and microfracs within qzvn	LIM	1	vn	o
33	40.71	most commonly coats fracs	LIM	1	frac	o
34.3	38.82	stronger in first half of interval, gradually gets weaker	SIL	1.5	perv	gy
34.4	34.65	blue-gy, strong on broken qtz and SS fragments in fault zone	ser	2.5	diss	gy
34.4	34.65	blue-gy, strong in fault zone	ser	2.5	frac	gy
35.4	40.71	bluish hue, stronger up until 37.35m, then definitely gets weaker	ser	1.5	diss	g
35.9	36.1	MT-SS pervasively altered by LIM, diss within mtx	LIM	3	diss	o
40.43	44	rare	cy	1	vn	w
40.43	44	coating in rare vugs of QZVN	cy	1	vug	w
40.43	44	mostly within MT-CO.pbl portions of fspar grains	cy	1	smgr	w
40.71	45	subtly within mtx of MT-CO	LIM	2	diss	o
40.71	45	veinlets	LIM	2	vn	o
40.71	45	strong in microfracs within qzvn especially	LIM	2	frac	o
40.71	45	vug coating	LIM	2	vug	o
40.8	43	within QZVN	SCOR	1	perv	y
45	51	wkly silicified MT-SS, strength varies subtly and locally	SIL	1	perv	gy
45	51	stronger downhole, within MT-SS and MT-CO matrix	ser	2.5	diss	gy
45	51	of partially cy altered fspar grains	ser	2.5	smgr	gy

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
3	12.1	FZ	250.0%	gg	strong from 3-6m, 7-9m, 11-12m, otherwise moderate
3	12.1	FZ	250.0%	BFZ	strong from 3-6m, 7-9m, 11-12m, otherwise moderate
3.2	3.25	FZ	300.0%	gg	clay gouge alt
3.95	4	FZ	300.0%	gg	clay gouge alt
9.2	9.25	FZ	300.0%	gg	clay gouge alt
12.05	12.1	FZ	300.0%	gg	clay gouge alt
12.57	51	QZVN	200.0%	SHTV	dom. Frac, often vuggy with asp+py selvedge
18.3	18.66	QZVN	350.0%	SHTV	strong aspy mineralization occupying fracs
18.66	19.1	FZ	200.0%	gg	gouge at lower contact of phy interbed
18.66	19.1	FZ	200.0%	BFZ	assoc with phy interbed
22.56	22.66	FZ	150.0%	BFZ	broken core, trace gg
28	30	QZVN	150.0%	SHTV	massive, fract, aspy mineralized vug, microfrac
34	35	QZVN	100.0%	SHTV	massive, frac, trace asp min, late qtz development
34.4	34.6	FZ	200.0%	BFZ	broken core, trace gg, asp min
35.4	35.9	FZ	300.0%	bx	xcutting, yet organized, flts
35.4	35.9	FZ	250.0%	gg	
40.8	43	QZVN	300.0%	SHTV	massive, intense asp min
43	43.25	FZ	250.0%	bx	bx at contact of phy interbed

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
9	12	Strong in local 10cm section within MT-SS.fgr	py	0.01	diss
9	12	sparse, only occasionally occurring with py	asp	0.005	diss
9	12	sparse, on occasionally occurring with py	asp	0.005	vn
9	12	occurs in xcutting vnlets within MT-PHY and SHTV	py	0.01	vn
13.4	16.92	cgr euhedral-anhedral cubes within MT-SS.mgr mtx	py	0.005	diss
13.6	13.7	fgr-cgr along <1mm thin blk vnlets	asp	0.02	vn
13.6	13.7	within mtx of MT-SS.mgr	asp	0.02	diss
17.2	18.23	mostly euhedral mgr-cgr within MT-CO.pbl mtx	py	0.005	diss
17.2	18.23	rarely in xcutting SHTV	py	0.005	vn
17.95	19.18	trace-1%, mineralization occurs within QZVN in wavy 1-3mm xcutting wavy vnlets	asp	0.01	vn
19.4	22.15	throughout MT-CO.pbl and rarely rimming SHTV boundaries	py	0.005	diss
21.56	22.49	sparsely diss within MT-CO.pbl matrix, asp is fgr-cgr	asp	0.005	diss
21.56	22.49	mostly within QZVN--rims boundaries of SHTV	asp	0.005	vn
24.6	25.62	sparse distributed within MT-CO.pbl matrix, py is fgr	py	0.005	diss
26.77	33.95	dominantly within QZVN	asp	0.015	vn
26.77	33.95	seldomly within MT-CO.pbl, large xtl at 33.88m	asp	0.015	diss
36.6	43.34	selvedge on QZVN, second half of interval much less abnt but still present	asp	0.015	vn
36.6	43.34	rare	asp	0.015	vug
36.6	43.34	first half is common within MT-SS.mgr as cgr xtls, second half much less abnt in MT-SS	asp	0.015	diss
37.23	40.43	within silicified sandstone, vfgr	py	0.005	diss
44	45.13	within SHTV set, cgr xtls within MT-SS	asp	0.01	diss
45	51	fgr, diss within MT-SS, very subtle and sparse	py	0.005	diss
48.57	48.58	one large aspy xtl in silicified/ ser alt vein	asp	0.05	diss

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
6.15	Bedding	46	So			10			LIM altered siltstone bed within PHY
7.49	Bedding	46	So			20			Siltstone interbed within MT-SS
7.5	Contact					20			Sharpt contact between MT-SS interbed and phyllite. Contact in same orientation as bedding
12.7	Veins	38			Veinlets	12			vfgr micaceous vnlets, <1mm, gy, wavy, within MT-SS
15.49	Veins	38		qtz	SHTV	65			Consistent SHTV set, all veins <2mm and microfracd with pervasive LIM alt within and along boundaries.
17.65	Veins	38		qtz	SHTV	25	23		milky w qtz with few clay filled <1mm clsts, xcuts a smaller less defined SHTV set
19.1	Veins	38			Veinlets	25			very thin, <1mm micaceous vnlets xcut MT-CO, continuity varies, but consistent orientation
21.53	Contact					35			Sharp contact between MT-CO and MT-SS
22.8	Veins	38			Veinlets	25			<1mm micaceous vnlt within sandstone, gradually becoming more shallow downhole
23	Veins	38			Veinlets	18			same micaceous vnlets as above, just less steep to CA
23	Veins	38		qtz	SHTV	75			well defined SHTV set, all commonly <1cm and milky w, xcut micaceous vnlets
25.6	Veins	38		qtz	SHTV	70			milky w qtz infill with few microfracs infilled with cy
25.82	Veins	38		qtz	SHTV	50			Rare, much less consistent, clean milky w qtz infill
26.65	Bedding	46	So			28			Siltstone interbed within PHY
27.8	Bedding	46	So			30			siltstone interbed within small MT-SS.cgr unit
30.78	Veins	38		qtz	FLT	35			4cm wide flt infill vein with LIM lining boundaries and microfracs. Few small vugs within vn
33.19	Bedding	46	So			20	314		1.5cm silstone interbed within MT-SS
33.35	Veins	38		qtz	SHTV	75	323		<1cm consistent set, clean w milky qtz infill
36.08	Veins	38		qtz	FLT	75	12		In sharp contact with MT-SS.cgr, few lim coated vugs and microfracs, ~17cm wide
36.09	Fractures	81				30			sheeted frac?, parallel set all xcutting inside FLt infill qtz vn, microfracs
36.96	Veins	38		qtz	FLT	45	8		milky w qtz infill with few mirofracs coated in LIM as well as vn boundaries. ~14cm wide
37.84	Veins	38		qtz	SHTV	85	328		conistent set, milky wqtz infill, anywhere between 0.5-5cm wide
42.05	Fractures	81		LIM		20			Sparse fracs throughout flt filled qtz vn, but all in same orientation
43.04	Fractures	81		LIM		40	10		more steeply dipping fractures towards end of flt fill vn, more pervasively altered by LIM within vn and fracs
43.14	Contact					25	315		lower contact between flt fill qtz vein and MT-CO.pbl
44.28	Veins	38		qtz	SHTV	48	6		consistent and abnt set of qtz vns, all 1-2cm wide and in same orientation to one another. Qtz is milky w
48.24	Veins	38		qtz	SHTV	50	35		same set as above? Abntly microfraced througout, sometimes infilled with cy, ~1cm
48.62	Veins	38		qtz	SHTV	78	300		~1.5cm wide, consistent set, milky w infill
49.85	Contact					30	3		sharp upper contact between MT-SS and silicified MT-CO, lower contact is gradational
50	Foliation	83			FOL	30	98		pervasive LIM altered "band" of silicified MT-CO, however, looks like it runs along weak foliation. Questionable measurement

Assay Samples

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-004	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	310	51				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
31962	3	6	2012	Expl Geochem	H-split	MT-Phy.gg	0.012	188.100	0.040	0.001	49.900	0.450
31963	6	9	2012	Expl Geochem	H-split	MT-Phy.fgr	0.006	105.000	0.150	0.002	41.000	0.530
31964	9	12	2012	Expl Geochem	H-split	MT-PhY.gg	0.026	150.700	0.070	0.002	45.600	0.460
31965	12	15	2012	Expl Geochem	H-split	MT-SS.mgr	0.003	861.900	0.100	0.002	12.000	0.470
31966	15	17	2012	Expl Geochem	H-split	MT-SS.mgr	0.003	737.600	0.170	0.001	12.200	0.440
31967	17	18.8	2012	Expl Geochem	H-split	MT-CO.pbl	0.040	1920.100	0.400	0.002	22.600	0.540
31968	18.8	21	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	611.800	0.050	0.001	22.800	0.470
31969	21	23	2012	Expl Geochem	H-split	MT-CO.pbl	0.040	1332.300	0.820	0.002	13.300	0.530
31970	23	25	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	608.000	0.250	0.001	14.900	0.460
31971	25	27	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	590.300	0.170	0.001	14.600	0.530
31972	27	28	2012	Expl Geochem	H-split	MT-CO.pbl	0.060	5631.300	0.050	0.001	18.700	0.700
31975	28	29	2012	STND	CDN-1P5f		1.514	11.900	0.390	0.001	51.800	9.620
31974	28	29	2012	DUP	Q-Split	MT-CO.pbl	0.003	1350.600	0.080	0.001	8.800	0.480
31973	28	29	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	2560.000	0.005	0.001	8.100	0.640
31976	29	30.2	2012	Expl Geochem	H-split	QZVN.frac	0.050	4375.400	0.005	0.001	4.200	0.600
31977	30.2	32	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	2149.900	0.060	0.001	5.500	0.480
31978	32	33.7	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	2345.800	0.005	0.001	14.700	2.630
31979	33.7	34.7	2012	Expl Geochem	H-split	QZVN.frac	0.050	4563.600	0.005	0.000	2.400	0.620
31980	34.7	35.7	2012	Expl Geochem	H-split	QZVN.frac	0.010	1187.400	0.005	0.001	2.200	0.610
31981	35.7	37.45	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	806.600	0.005	0.001	2.400	0.420
31982	37.45	39	2012	Expl Geochem	H-split	MT-SS.mgr	0.020	2870.100	0.005	0.001	3.700	0.570
31983	39	40.71	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	285.000	0.020	0.002	4.000	0.450
31984	40.71	42	2012	Expl Geochem	H-split	QZVN.frac	0.060	6044.800	0.060	0.002	19.100	0.700
31985	42	43	2012	Expl Geochem	H-split	QZVN.frac	0.370	10000.000	0.060	0.001	3.400	0.830
31986	43	45	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	2213.800	0.005	0.001	1.300	0.520
31987	45	47	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	287.600	0.005	0.001	1.900	0.410
31988	47	49	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	579.000	0.005	0.001	2.500	0.480
31989	49	51	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	24.900	0.005	0.001	8.300	0.380

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Sleeping Giant Zone **Hole ID:** 3ASG-12-005 **Logger:** LLM **Grant No.:** YC72727

Location

Easting:	Northing:	Latitude:	Longitude:
534556.9	6844287.3		

Elevation: 1283 m **Grid Name:** NA

Datum:	UTM Zone:	Grid N:	Grid E:
NAD83	9		

Orientation

Plunge: 50
Azimuth: 310
EOH: 51.0 m
Core Size: HQ

Start Date: 17/07/2012
Finish Date: 17/07/2012
Status: Completed
Contractor: Driftwood

Objective:
This is a wildcat hole to test the potential of another enechelon quartz vein north of the 420 Showing.

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
18	50.2	313.2	56999	Reflex	1
51	50.5	314.1	56926	Reflex	1

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	3	casing	CASING		100.0%				co	1
3	3.5	Pbl, gy, moderatelly sorted, unoxidized	MT-CO	pbl	100.0%	gy			co	0
3.5	3.9	Rusty, weak oxidation	QZVN	qz	100.0%	w			br	0
3.9	9.1	Mod-well sorted, 30% withe-rusty QZVN, vuggy locally, contains phyllitic sub angular clasts aprox. 0.5% FeCb on feldspard, strongly oxidized	MT-CO	pbl	69.5%	gy			co	0
9.1	13.5	MT-SS fine grained, mod oxidized, FeCb on feldspard.	MT-SS	fgr	100.0%	gy	qtz	1	co	0
13.5	14.75	Moderatly sorted, possibly Bx, contains phillite + Qtz clasts, mod-oxidized	MT-CO	pbl	95.0%	gy			co	1
13.5	14.75	Quartz veins	QZVN	qz	4.5%	w			co	1
13.5	14.75	Black phyllite	MT-Phy	fgr	0.5%	n			co	1
14.75	22.9	Partially oxidized, Qtz veins shows, vuggy texture, veins contains asp, also some has stockwork texture	MT-SS	fgr	80.0%	gy			co	0
14.75	22.9	Qtz veins shows vuggy texture, veins contains asp.	QZVN	qz	20.0%	w			co	0
22.9	26.95	Fault zone, broken core, gouge along fractures at lower contact, mod-str oxidation, argillic alteration, clast supported.	MT-CO	pbl	95.0%	gy	qtz	1	br	1
22.9	26.95	Quartz vein	QZVN	qz	4.0%	w			br	1
22.9	26.95	Phyllite clasts mineralized w/py	MT-Phy	fgr	1.0%	n			br	1
26.95	28.4	Partially oxidized, mod sorted	MT-CO	pbl	98.0%	gy			co	0
26.95	28.4	Partially oxidized	QZVN	qz	2.0%	w			co	0
28.4	30.6	Partially oxidized, contains stockwork qtz veins, fine grained	MT-SS	fgr	98.0%	gy			co	0
28.4	30.6	stockwork	QZVN	qz	2.0%	w			co	0
30.6	35.75	Poorly sorted, mod-str oxidation, FeCb on feldspard grains, argillic alteration 1, diss asp, minor siltstone @35.10m	MT-CO	pbl	85.0%	gy			co	0
30.6	35.75	SHVN, minor veinlets possibly vuggy locally	QZVN	qz	15.0%	w			co	0
35.75	37.5	Contains some SHVN, partially oxidized, diss asp	MT-SS	fgr	98.0%	gy			co	0
35.75	37.5	SHVN, vuggy locally	QZVN	qz	2.0%	w			co	0
37.5	42.7	Partially oxidized, poorly sorted, contains diss asp	MT-CO	pbl	80.0%	gy			co	0
37.5	42.7	SHVN, 3% asp	QZVN	qz	20.0%	w			co	0

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-005	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	310	51				

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
42.7	46	Mod sorted, mod-str oxidized, subangular clast of phyllite , possible ductil to brittle-ductile fault zone, cataclasite	MT-CO	pbl	80.0%	gy			co	1
42.7	46	witish quartz vein	QZVN	qz	18.0%	w			co	1
42.7	46	Black, fine grained phyllite	MT-Phy	fol	2.0%	n			co	1
46	51	Component black phy, contains siltstone layers, sheared zones very locally, 5% py	MT-Phy	fol	90.0%	n			co	0
46	51	SHVN+TVA	QZVN	qz	10.0%	w			co	0

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
3	9		SIL	2	vug	r
9	18		cy	1	frac	o
18	22.6		SIL	2	vn	
22.6	27.3		cy	2.5	gouge	o
27.3	46		SIL	2.5	vug	o
46	51		SIL	1	vn	g

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
3.5	3.9	QZVN	300.0%	SHTV	
3.9	9.1	FZ	100.0%	CSZ	Subangular Phy clasts <5%
13.5	14.75	FZ	100.0%	CSZ	Subangular Phy clasts <5%
20.8	21	QZVN	300.0%	SHTV	
21.6	22	QZVN	300.0%	SHTV	
22.4	22.65	QZVN	300.0%	SHTV	
22.9	26.95	FZ	100.0%	bx	Lower contact @26.95m
30.6	31.2	QZVN	300.0%	SHTV	Tr Asp
34.15	34.25	QZVN	300.0%	SHTV	Tr Asp
35	35.7	QZVN	300.0%	SHTV	Tr Asp
36.52	36.72	QZVN	300.0%	SHTV	Tr Asp
37.4	37.5	QZVN	300.0%	SHTV	Tr Asp
39.23	39.83	QZVN	300.0%	SHTV	Tr Asp
40.06	40.26	QZVN	300.0%	SHTV	Tr Asp
41.3	41.9	QZVN	300.0%	SHTV	Tr Asp, vuggy
42.7	46	FZ	100.0%	CSZ	Phyllitic subangular clasts
47.1	47.37	QZVN	300.0%	SHTV	Barren
48.5	48.75	QZVN	300.0%	SHTV	1% Py

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
3	6	Yellow	py	0.02	diss
3	6	Along fractures/Silver color	asp	0.03	diss
6	9	Phy clasts fill w/Py	py, asp	0.001	diss
9	12	On matrix	asp	0.001	diss
12	15		py	0.001	diss
15	18	On Qtz veinlets	py	0.001	diss
18	21	Along fractures and Qtz veins	asp, py	0.005	diss
21	24	Cubic on vuggy	py, asp	0.03	vug
24	27		asp	0.001	diss
27	30		asp, py	0.001	diss
30	33	Cubic on matrix	asp,py	0.003	diss
33	36	Asp in matrix and fractures	py, asp	0.002	diss
36	39	Asp on matrix	asp	0.002	diss
39	42		asp, py	0.002	diss
42	45	On fractures	asp, py	0.02	frac
45	48		asp, py	0.006	diss
48	51		py	0.015	vn

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
5	Veins			qtz	SHTV	5			
6	Veins			qtz	STWK	25	232		
7.2	Veins			qtz	SHTV	65	50		
8.4	Veins			qtz	SHTV	45	270		
12.15	Fractures					70			
14.58	Fractures					35			
17.1	Veins			qtz	SHTV	42	270		
17.9	Veins			qtz	SHTV	80	304		
21.18	Veins			qtz	SHTV	35	50		
22.75	Veins			qtz	SHTV	55			
26.95	Faults			cy	Gouge	35	240		
29.4	Veins			qtz	Veinlets	20	120		
32.8	Veins			qtz	SHTV	35	60		
34.15	Veins			qtz	SHTV	40			
35.3	Veins			qtz	SHTV	20	320		
38.48	Veins			qtz	SHTV	65	0		
38.7	Veins			qtz	SHTV	20	0		
39.3	Fractures					60	10		
40	Veins			qtz	SHTV	70			
41.9	Fractures					85	60		
43.4	Veins			qtz	SHTV	90			
46	Contact					70			
47.6	Foliation				FOL	55	8		
48.13	Veins			qtz	SHTV	55	40		
49.9	Foliation				FOL	30	290		
50.7	Veins			qtz	SHTV	60	270		

Assay Samples

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-005	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	310	51				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
31833	3	5	2012	Expl Geochem	H-split	MT-CO.pbl	0.040	4614.500	0.005	0.001	3.500	0.510
31834	5	7	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	893.600	0.005	0.001	3.400	0.490
31835	7	9.1	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	44.800	0.380	0.001	5.400	0.460
31836	9.1	10.6	2012	Expl Geochem	H-split	MT-SS	0.050	15.700	0.005	0.001	5.600	0.440
31837	9.1	10.6	2012	Blank	LWS_2011	MT-SS	0.003	0.100	0.140	0.000	2.100	0.100
31838	9.1	10.6	2012	DUP	Q-Split	Mt-SS	0.003	24.500	0.290	0.001	9.500	0.360
31839	10.6	12	2012	Expl Geochem	H-split	MT-SS.fgr	0.050	8.000	0.190	0.001	7.300	0.390
31840	12	13.5	2012	Expl Geochem	H-split	MT-SS.fgr	0.050	54.400	0.140	0.001	6.400	0.410
31841	13.5	14.75	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	138.200	0.005	0.001	6.500	0.390
31842	14.75	16.75	2012	Expl Geochem	H-split	MT-SS.fgr	0.050	44.500	0.030	0.001	12.300	0.380
31843	16.75	18.75	2012	Expl Geochem	H-split	MT-SS.fgr	0.050	27.900	0.005	0.001	7.300	0.410
31844	18.75	20.72	2012	Expl Geochem	H-split	MT-SS.fgr	0.050	970.000	0.005	0.001	6.200	0.440
31845	20.72	21.82	2012	Expl Geochem	H-split	MT-SS.vn	0.030	8030.700	0.005	0.001	9.300	0.620
31846	21.82	22.9	2012	Expl Geochem	H-split	MT-SS.vn	0.040	8792.700	0.005	0.001	2.000	0.630
31847	22.9	24	2012	Expl Geochem	H-split	MT-CO.pbl.FZ	0.050	242.100	0.005	0.001	4.800	0.430
31848	24	26.95	2012	Expl Geochem	H-split	MT-CO.pbl.FZ	0.050	298.300	0.005	0.001	4.200	0.410
31849	26.95	28.4	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	83.600	0.005	0.001	9.600	0.490
31850	28.4	29.4	2012	Expl Geochem	H-split	MT-SS.fgr	0.050	49.700	0.005	0.001	5.400	0.350
31851	29.4	30.6	2012	Expl Geochem	H-split	MT-SS.fgr	0.050	531.000	0.005	0.000	14.400	0.380
31852	30.6	31.6	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.020	3688.700	0.005	0.001	3.100	0.520
31853	31.6	33	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	157.100	0.005	0.001	3.400	0.450
31854	33	34	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	128.700	0.090	0.001	27.000	0.410
31855	34	35.75	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.050	2308.300	0.020	0.002	15.700	0.610
31856	35.75	37.5	2012	Expl Geochem	H-split	MT-SS.fgr	0.050	1172.800	0.010	0.003	14.700	0.450
31857	37.5	39	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	238.600	0.005	0.001	11.200	0.420
31858	39	40.5	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.050	1387.700	0.880	0.001	11.200	0.540
31859	40.5	41.5	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	215.100	0.005	0.001	8.900	0.520
31860	41.5	42.7	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.030	2981.300	0.190	0.001	9.500	0.510
31861	42.7	44.2	2012	Expl Geochem	H-split	MT-CO.pbl.FZ	0.070	2710.500	0.070	0.002	10.400	0.650
31862	44.2	46	2012	Expl Geochem	H-split	MT-CO.pbl.FZ	0.960	5389.600	0.160	0.002	9.600	0.640
31863	46	48	2012	Expl Geochem	H-split	MT-Phy.vn	0.030	113.300	0.420	0.002	47.200	0.610
31864	48	49.5	2012	Expl Geochem	H-split	MT-Phy.vn	0.080	2537.700	0.490	0.004	49.200	0.620
31865	49.5	51	2012	Expl Geochem	H-split	MT-Phy	0.010	454.900	0.120	0.002	54.100	0.480

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Sleeping Giant Zone **Hole ID:** 3ASG-12-006 **Logger:** ACD **Grant No.:** YC72727

Location

Easting:	Northing:	Latitude:	Longitude:
534611.1	6844344.9		

Elevation: 1276 m **Grid Name:** NA

Datum:	UTM Zone:	Grid N:	Grid E:
NAD83	9		

Orientation

Plunge: 50
Azimuth: 310
EOH: 60.0 m
Core Size: HQ

Start Date: 17/07/2012
Finish Date: 18/07/2012
Status: Completed
Contractor: Driftwood

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
12	50.1	322.8	57102	Reflex	1
60	50.9	322.8	56863	Reflex	1

Objective:
Target in the vicinity of 2012 soil geochemistry anomalies and asp mineralised outrcrop north of the Sleeping Giant

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	2.1		CASING		100.0%				co	1
2.1	8.68	vfgr, black, well foliated, thin and strongly bedded MT-PHY. Poor Recovery from 3-6m, all fault gouge which continues until 6.5m as well as from 7.20-7.50m and 7.82-7.90m. Unit is interbedded with fgr sandstone and xcut by a series of QZVN (see below). Fracs and foln surfaces are pervasively altered by L3 and hem1, especially from 2.1-7m. Common cy and ankerite filled fracs and vnlets. MT-PHY thinly bedded with MT-SLT, <1mm laminations that are creamy-gy in color. Lower contact is gradational and is defined by increase of fgr sandstone and competancy of core	MT-Phy	fgr	84.0%	n			lc	3
2.1	8.68	Two types of sandstone are seen in this interval. The first is seen from 2.1-6.0m (poor recorvery). It is a mgr, brown, moderately foliated, silicified sandstone. From 3-6m, very broken and gg (fault). The remaining sandstone is what is consistent downhole, and is a competant fgr, wkly-mod foliated, slightly chloritized sandstone (chl alt varies locally, gives off a subtle greenish hue). Common very thin <1mm blk-gy silty (?) vnlet (too fgr to idetify mineralogy) with trace sulfides diss throughout. Sandstone is also xcut by fractured QZVN that are locally mineralized. LIM2 alt is pervasive along fractures, vns, and vugs.	MT-SS	fgr	10.0%	gy			lc	2
2.1	8.68	SHTV and TVA xcut all lithologies in this interval. All qzvn is microfractured and has L2 alt along these fracs and boundaries. Minor cy1, ankerite, and chlorite alt within and around vns as well.Boundaries tend to be wavy but sharp, and trace sulfides present (at 8.25m, 3cm wide qzvn with 5-7% py locally) TVA vnlets coming off larger SHTV vns and pinch out on the end.	QZVN	frac	5.0%	w			co	2
2.1	8.68	vfgr, cream-gy siltstone laminations and beds within phy and sandstone (?). In general, has consisten orientation.	MT-SLT	fgr	1.0%	gy			co	2
8.68	19.47	vfgr, black, well foliated, thinly and strongly laminated (by MT-SLT). Few <1cm xcutting ankerite vnlets, usually more abnt around QZVN but still exist independantly within phyllite. Common gph alt within phyllite and common xcutting QZVN. Diss and frac controlled sul distribution. Few small scale faults offsetting silstone laminations throughout (<1cm), especially at 13.23-13.36m. Upper contact is gradational and lower contact is sharp--in contact with QZVN	MT-Phy	fgr	72.0%	n			co	1
8.68	19.47	fgr, gy-gr, interbedded sandstone with common <1mm blk-gy vnlets and fracs xcutting (too fgr to determine mineralogy--siltstone?). Greenish hue due to chl1 alteration, varies locally but in general fades downhole. Xcutting QZVN common and minor small scale folding present throughout interval. 17.79-19.20m, sanstone is silicified (SIL1) and more commonly broken/ fractured (surfaces coated in LIM).	MT-SS	fgr	15.0%	g			co	1

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-006	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	310	60				

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
8.68	19.47	SHTV, TVA, and vnlets xcut all lithologies. Often has ankerite vnlets/ patches associated with and around vns, and sometimes minor chl alt. LIM alt common along microfracs. In general, vns look more deformed in this unit with wavy boundaries and discontinuity between vns with commonly 2-3 alt minerals present. In sharp contact with surrounding rock types	QZVN	frac	10.0%	w			co	1
8.68	19.47	vfgr, cream-gy siltstone laminations and beds within MT-PHY and MT-SS (?)	MT-SLT	fgr	3.0%	bf			co	1
19.47	43.6	Occur as FLT fill, SHTV, TVA, and vnlets. Several smaller intervals within that are very broken up (29.75-30.90m (gg), 31.75-32.05m, 33.90-34.10m, 41.15-41.37m, 42.36-43.6m)). Milky w qtz that is commonly-abntly microfraced, and sparsely vuggy and multiple types of alt along surfaces (cy, ankerite, hem, LIM or ser coated/filled). Rare MT-PHY fragements throughout (1% overall). Common mineralized vnlets, fracs and diss aspy +/- py throughout (assoc SCOR 1 alt). In sharp contact with surrounding MT-CO.pbl and often has wavy boundaries.	QZVN	frac	65.0%	w			br	3
19.47	43.6	cgr, clast supported, weakly foliated QPC. Majority of fspar clasts (0.1-1cm, with 0.4cm average) are completely recessively weathered infilled with cy and lim--30% of clasts (3-5% fspar not altered). Qtz clasts are subrounded-sub and and 0.1-1cm, averaging 0.3cm--65% of clasts. Few phyllite/ lithic fragments within MT-CO as well (1%). Several small <1mm vnlets throughout defining weak foln, gy-blkl, vfgr (often aspy mineralized). Commonly fractured/ broken with LIM altered on surfaces. Rare hem alt along frac surfaces and minor vnlets. LIM and cy alt are pervasive throughout, and trace diss sul (asp/ py) throughout interval, displaying minor SCOR1 alt (30.00-30.30m). Top contact is sharp in contact with FLT infilled QZVN, bottom contact is moderately sharp defined by fault gg and very broken core.	MT-CO	pbl	35.0%	gy	qtz	65	br	2
43.6	49.6	Fairly competant, clast supported, cgr, very weakly foliated MT-CO.pbl. Common recessively weathered and clay altered fspar clasts (0.1-0.7cm, ~0.2cm average--10% clasts overall), unaltered fspar clasts ~20%, qtz clasts subrnd 0.1-0.3cm--70% of clasts. From 43.6-48.20m, core is commonly broken with LIM coating surfaces and lining fractures. From 48.20-49.60m, core is very competant and it core borderlines MT-SS.cgr (still sparse cy altered fspar clasts and larger qtz clasts, though). Rare darker vfgr blk vnlets xcut (too fine grained to tell mineralogy, siltstone?), and few cy vnlets. Sparse xcutting QZVN and trace diss sul. Bottom contact gradational, just increase in QZVN and decrease in competancy of core	MT-CO	pbl	95.0%	gy	qtz	70	co	1
43.6	49.6	SHTV, vnlets, and rare TVA. All qtz vns in this interval are massive and bull qtz. Only seldom microfracs with LIM infill and few small vugs with LIM+cy coating.	QZVN	frac	5.0%	w			co	1
49.6	54	cgr, matrix supported, gy, weakly foliated (defined by subtle dk gy vnlets--too fine grained to tell mineralogy, or cy vnlets), heavily fractured (with LIM3 infill) and multiple QZVN xcutting. Common BFZ throughout (49.6-49.85m, 50.26-50.50m, 53.40-54.00m (gg, with cy anad ser alt present)). Recessive cy-smgr of fspar (20% of clasts) and few MT-PHY bands, fragments and broken pices (~3-5% overall). Weak SIL1 alteration throughout. Upper contact sharp (defined by competancy decrease and incrase of QZVN), lower contact moderately sharp (defined by increase of compentancy and decrease in QZVN)	MT-CO	pbl	75.0%	gy	qtz	70	br	3
49.6	54	FLT Vn, Vnlets, SHTV, milky w qtz infill that is heavily fractured and microfractured with pervasive LIM3 coating on surfaces. Vuggy, often lined with cy and LIM. Common ank vnlets assoc, esp from 50.52-50.76m. Abnt minerlaized vnlets (aspy +/- py, up to 10% locally), also diss and seldomly frac infilling.	QZVN	frac	25.0%	gy	qtz	75	br	3
54	60	Clast supported, cgr, gy, weakly foliated QPC. Greenish hue due to subtle chl1 alt. Abnt recessive cy-smgr of fspar grains (15% of clasts, 0.2cm average, 10% unaltered fspar, 75% qtz). Rarely fractured with LIM1 infill. From 57.00-57.52m, core is fairly broken and has strong SER2 and cy2 alt on broken surfaces (BFZ).Common xcutting QZVN and broken surfaces tend to be oxidized and coated in LIM. Trace sul diss throughout matrix.Weakly silicified overall. EOH	MT-CO	pbl	92.0%	gy			co	1
54	60	SHTV and vnlets, milky w infill with rare fracs/ microfracs coated in LIM. Few open vugs, and few ankerite patches within veins. Subtle cy alt on boundaries, no mineralization, in sharp contact with QPC.	QZVN	frac	8.0%	w			co	1

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Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
2.1	19.47	associalted with QZVN	ank	1	vn	t
2.1	11.97	Along broken foliation planes in phyllite	LIM	3	fol	og
2.1	11.97	Coating all fractures and broken surfaces in interval (MT-SS, MT-PHY, and QZVN)	LIM	3	frac	og
2.1	11.97	exists commonly with LIM in this interval	hem	1	frac	r
2.1	7.5	within gouge	cy	2	perv	bf
2.1	19.47	small vnlets within phyllite and around QZVN	cy	1	vn	bf
7.5	19.47	within MT-SS, seldomly around QZVN	chl	1	diss	g
10.7	19.47	along foln surfaces in MT-PHY, intensity of 2 locally	gph	1	fol	gy
16.84	19.2	pervasive within chloritized MT-SS, gradually weaker downhole	SIL	1	perv	gy
18.75	48.2	more common within gouge portions but exists on broken/ fractured surfaces as well in both MT-CO and QZVN	cy	2	frac	bf
18.75	48.2	replaces recessively weathered fspar grains completely	cy	3	smgr	bf
18.75	48.2	exists with intense cy alt of fspar grains	LIM	1	smgr	og
18.75	48.2	coats open vugs within qzvn	LIM	3	vug	og
18.75	48.2	coats open vugs with LIM	cy	2	vug	bf
18.75	48.2	Throughout BFZ's and coats all broken surfaces	LIM	3	frac	og
18.75	48.2	pervasive within qzvn within microfracs	LIM	3	vn	og
18.75	48.2	exists rarely with LIM, more abnt in intensely broken up sections	hem	1	frac	r
18.75	57.52	partially masked by strong cy alt, but only exists with MT-CO, subtly light blue, strongest within gouge portions	ser	1	frac	bl
27.75	33.7	greenish-yellow, exists around mineralized asp vnlets and xtls	SCOR	1	vn	g
43.6	49.6	within MT-SS, strength increases slightly downhole	SIL	1	perv	gy
48.2	54.44	not as intense, but replaces smaller (average ~0.2cm) fspar grains)	cy	1	smgr	bf
49.6	54	rims qzvn and few vnlets throughout interval	LIM	2	vn	og
49.6	54	strongest in gouge portions	cy	2	frac	bf
49.6	54	coats surfaces with LIM	hem	1	frac	r
49.6	57.52	diss within MT-CO.pbl mtx	ser	1	diss	bl
49.6	54	coats open vugs	LIM	2	vug	og
49.6	54	coats fractures and microfractures in BFZ, brown	LIM	2	frac	og
49.6	54	coats open vugs with LIM	hem	1	vug	r
50.02	54	associated with qtz vns, strongest in first 15cm	ank	1	vn	bf
54	60	Within MT-CO.pbl	SIL	1	perv	gy
54	60	only partially coats rare broken surfaces	LIM	1	frac	og
54.44	60	fspar grains slightly larger but almost completely replaced	cy	2	smgr	bf

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
2.1	60	QZVN	200.0%	SHTV	Throughout entire hole; orientation, deformation and alteration vary locally
2.1	8.8	FZ	300.0%	BFZ	Almost entirely fault gouge within MT-PHY and MT-SS, intensely broken and fractured with multiple forms of alteration (LIM, hem, gph, chl)
2.1	8.66	FZ	200.0%	CSZ	Very deformed and broken, few small qtz vnlets show weak crenulation
13.2	17.78	FZ	100.0%	CSZ	Common sections in this interval show cataclastic behavior of rock, always around qtz veins with microfolding and microfaulting within phyllite
19.47	43.6	QZVN	100.0%	TVA	throughtout BFZ, intensity varies locally
19.47	43.6	FRAC	200.0%	BFZ	strongly microfractured and fractured within QZVN mainly, but also MT-CO
19.47	43.6	QZVN	300.0%	FLT	Multiple fault infilled veins, from 10cm->2m continuity within MT-CO.pbl. All infilled with milky w qtz, fractured, with LIM3 pervasive alt along fracs and broken surfaces. Common mineralized (asp +/- py) vnlets and diss throughout. Common cy and ank alteration in assoc
27.75	31.85	FZ	300.0%	BFZ	Very incompetant core, completely broken with multiple forms of alteration present (LIM and clay are the most pervasive on broken/ fracatured surfaces)
32.6	33	FZ	200.0%	BFZ	Incompetant and very broken core with stron LIM3 and cy2 alt on broken surfaces and within fracs
33.7	34.1	FZ	200.0%	BFZ	Very broke and strong LIM2 and cy1 alt
37.1	39	FZ	200.0%	BFZ	partial gouge material, but broken into large fragments with LIM2 and cy1 alt
41.25	41.4	FZ	200.0%	BFZ	Broken qzvn fragments into multiple sizes with LIM2 and cy1 coating
41.25	41.4	FZ	100.0%	gg	weak, stronger in first 5cm
42.36	43.6	FZ	200.0%	BFZ	broken MT-CO and WZVN, gouge development, more intense near end
44.5	44.6	FZ	100.0%	gg	weak, but present
44.5	44.6	FZ	100.0%	BFZ	weak, within MT-CO, large broken fragments
49.6	54	FRAC	100.0%	BFZ	intense fractures throughout MT-CO and QZVN
49.6	54	FZ	100.0%	gg	majority of interval is broken, strongly fractured
49.6	54	QZVN	100.0%	FLT	discontinuours flt fill vein within BFZ
53.43	53.8	FZ	200.0%	gg	heavy clay and ser alt
57.15	57.52	FZ	100.0%	BFZ	large broken fragments with intense cy and ser alt on surface, gouge development

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
6	19.47	Often cgr within SHTV QZVN and qtz vnlets.	py	0.01	vn
6	19.47	Start of interval hard to determine because of poor recovery, but cgr euhedral xtles, 1-2mm, fairly common diss throughout MT-PHY and MT-SS. Tend to be slightly coarser grained in MT-SS	py	0.02	diss
17.82	19.47	cgr xtls up to 1.5cm wide within/ around QZVN in MT-SS unit	asp	0.04	vn
19.47	19.95	trace amounts of py diss throughout interval, usually within MT-CO.pbl and phyllite bands	py	0.005	diss
19.47	46.25	common fgr-vcgr asp within QZVN and phyllite bands. 2.5cm xtal at 19.95m. Abnt small ~1mm mineralized wavy vnlets as well. Locally more abnt (8-10%) where SCOR alt is present. At 41.38m, 1.5cm wide vnn completely aspy mineralized	asp	0.07	vn
19.47	44.96	Diss rarely within MT-CO.pbl mtx	asp	0.03	diss
27.52	30.3	cgr asp lining/ I nfilling open vugs	asp	0.01	vug
35.4	37.45	diss blk py ? Within mineralized vnlets with asp	py	0.005	diss
43.6	54	sparsely occupies some portions of vnlets (microvugs, as well)	py	0.005	vn
43.6	60	within MT-CO-pbl mtx	py	0.005	diss
49.6	54	within QZVN in BFZ, and small mineralized vnlets	asp	0.02	vn

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
6.4	Bedding	46	So			32			siltstone interbed
8.15	Faults	38			Gouge				in contact with FLT infilled qtz vein, cataclastic fault
9.68	Bedding	46	So			15			silstone interbed
11.48	Bedding	46	So			40	346		siltstone interbed
12.9	Veins	38		qtz	SHTV	60	325		Few consistent veins in vicinity
13.25	Faults	38				40	320		microfault within cataclastic interval
14.2	Bedding	46	So			36	312		siltstone interbed
14.59	Veins	38		qtz	FLT	70	322		milky w, strongly deformed cataclastic fault infill
17.84	Contact					65	10		Sharp contact between phyllite and chloritized MT-SS with large flt infill qzven wavy boundary)
18.54	Veins	38		qtz	TVA	5			TVA? Looks like it is coming from flt infill, milky w qtz infill, no alt or min
18.83	Fractures	81		cy		30	310		Cy/ LIM coated sheeted fracs. SHTV in proximity with same general orientation
19.42	Contact					20			upper contact between cataclastic phyllite and FLT infill qtz vn, sharp, wavy
24	Fractures	81		LIM		30			<1mm sheeted fracs within FLT filled QZVN
24.35	Contact			hm		50			Lower contact between larege flt fill qzvn and MT-CO.pbl
25.06	Fractures	81		LIM		25			sheeted fracs within QZVN
25.33	Contact					55			upper contact between MT-CO.pbl and flt fill qzvn
26.97	Veins	38		qtz	TVA	60			milky w qtz infill TVA from larger flt fill qzvn
32.56	Fractures	81		LIM		30			sheeted fracs coated with LIM in QZVN
33.14	Fractures	81		LIM		60			consistent through qzvn
34.65	Veins	38		qtz	SHTV	65			small SHTV set in breif MT-CO.pbl interval within large flt fill QZVN, probably biproduct of fault fill vn
35	Fractures	81		LIM		60			tightly sheeted within qzvn
36.68	Fractures	81		LIM		75			steep, common, consistent, within QZVN
37.52	Veins	38		qtz		62			within MT-CO-pbl, vuggy, milky w infill

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-006	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	310	60				

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
40.32	Veins	38		asp	Veinlets	33			mineralized vnlets within QZVN
44.82	Veins	38		qtz	TVA	85			consistent mm TVA within MT-CO.pbl, milky w qtz infill, ends pinch out
45.14	Veins	38		qtz	TVA	65			small ~2-3cm long tension gashes, consistent orientation
45.45	Fractures	81		LIM		75			Steep, local sheeted fractures within MT-CO.pbl
48.51	Fractures	81		LIM		62			few, within MT-CO.pbl
49	Veins	38		qtz	SHTV	45			vuggy, lim coated, microfraced
52.26	Fractures	81		hm		35			LIM and hem coated, deep, intense fracturing within BFZ
54.14	Veins	38		qtz	SHTV	20			clean, consistent set within MT-CO.pbl. Angle gradually gets more shallow downhole (long, continuous veins)
54.82	Veins	38		qtz	SHTV	23			larger, subtly microfraced, vuggy, w sheeted qtz vn within MT-CO.pbl
56.48	Veins	38		qtz	TVA	20			milky w, 3-4mm wide pinched out TVA
57.78	Veins	38		qtz	SHTV	35			general orientation holds for the remainder of the hole, milky w qtz infill

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
31990	2.1	6	2012	Expl Geochem	H-split	MT-phy.gg	0.003	53.100	0.005	0.002	33.000	0.480
31991	6	8	2012	Expl Geochem	H-split	MT-Phy.fgr	0.003	72.900	0.270	0.002	57.100	0.380
31992	8	10	2012	Expl Geochem	H-split	MT-Phy.fgr	0.046	356.200	0.240	0.004	47.700	0.390
31993	10	12	2012	Expl Geochem	H-split	MT-Phy.fgr	0.009	69.000	0.110	0.002	45.400	0.330
31994	12	14	2012	Expl Geochem	H-split	MT-Phy.fgr	0.008	65.000	0.080	0.002	53.400	0.420
31995	14	16	2012	Expl Geochem	H-split	MT-Phy.fgr	0.020	147.500	0.120	0.003	52.700	0.460
31996	16	18	2012	Expl Geochem	H-split	MT-Phy.fgr	0.050	5087.900	0.005	0.002	16.600	0.560
32101	16	18	2012	Expl Geochem	H-split	MT-Phy.fgr	0.040	2147.800	0.005	0.002	45.700	0.520
32102	18	19.4	2012	Expl Geochem	H-split	MT-SS.vn	0.070	2872.900	0.010	0.002	9.300	0.490
31997	18	19.4	2012	Expl Geochem	H-split	MT-SS.vn						
32103	19.4	20.4	2012	Expl Geochem	H-split	QZVN.frac	0.010	1035.700	0.005	0.000	2.800	0.440
31998	19.4	20.4	2012	Expl Geochem	H-split	QZVN.frac						
31999	20.4	21.5	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	9074.200	0.005	0.001	2.000	0.610
32000	21.5	22.5	2012	Expl Geochem	H-split	QZVN.frac	0.050	1046.000	0.005	0.001	2.300	0.490
32001	22.5	23.5	2012	Expl Geochem	H-split	QZVN.frac	0.010	2852.800	0.390	0.000	0.100	0.470
32002	23.5	24.5	2012	Expl Geochem	H-split	QZVN.frac	0.050	620.500	0.005	0.001	0.100	0.480
32003	24.5	25.5	2012	Expl Geochem	H-split	QZVN.frac	0.030	2800.100	0.005	0.001	0.500	0.500
32004	25.5	26.5	2012	Expl Geochem	H-split	QZVN.frac	0.020	6737.400	0.005	0.000	7.100	0.570
32005	26.5	27.5	2012	Expl Geochem	H-split	QZVN.frac	0.040	7415.100	0.005	0.002	0.700	0.630
32006	27.5	29	2012	Expl Geochem	H-split	QZVN.frac	0.030	9937.500	0.005	0.001	0.100	0.660
32007	29	30	2012	Expl Geochem	H-split	QZVN.frac	0.020	4828.800	0.005	0.001	0.100	0.520
32008	30	31.5	2012	Expl Geochem	H-split	QZVN.frac	0.030	4982.700	0.005	0.002	0.600	0.550
32009	31.5	33	2012	Expl Geochem	H-split	QZVN.frac	0.020	4283.800	0.160	0.001	0.100	0.520

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Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-006	Grant No.:	YC72727
Plunge:	Azimuth:	EOH:					
50	310	60					

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
32012	33	34	2012	Blank	LWS_2011		0.003	1.500	0.020	0.000	0.700	0.110
32013	33	34	2012	STND	CDN-GS-20A		20.138	10000.000	4.310	0.123	109.700	28.300
32011	33	34	2012	DUP	Q-Split	QZVN.frac	0.024	3582.700	0.005	0.000	0.100	0.670
32010	33	34	2012	Expl Geochem	H-split	QZVN.frac	0.030	4348.700	0.120	0.001	0.100	0.580
32014	34	35	2012	Expl Geochem	H-split	QZVN.frac	0.040	2466.000	0.005	0.001	2.000	0.630
32015	35	36	2012	Expl Geochem	H-split	QZVN.frac	0.450	6495.900	0.005	0.001	8.100	0.540
32016	36	37	2012	Expl Geochem	H-split	QZVN.frac	0.290	7092.700	0.005	0.000	2.900	0.610
32017	37	39	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	1011.000	0.005	0.001	2.200	0.500
32018	39	41	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	3616.000	0.005	0.001	2.800	0.490
32019	41	42	2012	Expl Geochem	H-split	QZVN.frac	0.430	10000.000	0.005	0.002	1.700	1.050
32020	42	43.5	2012	Expl Geochem	H-split	QZVN.frac	0.010	3745.800	0.005	0.000	4.200	0.450
32021	43.5	45	2012	Expl Geochem	H-split	MT-CO.pbl	0.006	181.200	0.040	0.002	3.800	0.430
32022	45	47	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	170.500	0.005	0.002	3.100	0.340
32023	47	49	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	20.700	0.005	0.001	3.100	0.400
32024	49	50.5	2012	Expl Geochem	H-split	MT-CO.pbl	0.007	36.700	0.005	0.004	20.100	0.370
32025	50.5	51.5	2012	Expl Geochem	H-split	QZVN.frac	0.003	22.100	0.070	0.012	4.400	0.550
32026	51.5	52.5	2012	Expl Geochem	H-split	MT-CO.pbl	0.019	16.700	0.005	0.001	3.200	0.350
32027	52.5	54	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	29.900	0.150	0.001	3.800	0.400
32028	54	56	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	20.500	0.005	0.001	1.900	0.400
32029	56	58	2012	Expl Geochem	H-split	MT-CO.pbl	0.016	18.300	0.030	0.001	5.100	0.400
32030	58	60	2012	Expl Geochem	H-split	MT-CO.pbl	0.006	9.100	0.005	0.001	3.400	0.410

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Sleeping Giant Zone **Hole ID:** 3ASG-12-007 **Logger:** ACD **Grant No.:** YC72727

Location				Orientation		
Easting:	**Northing:**	**Latitude:**	**Longitude:**	**Plunge:** 50	**Start Date:** 18/07/2012	
534642.5	6844057.8			**Azimuth:** 305	**Finish Date:** 19/07/2012	
Elevation:	1207 m	**Grid Name:** NA		**EOH:** 51.0 m	**Status:** Completed	
Datum:	**UTM Zone:**	**Grid N:**	**Grid E:**	**Core Size:** HQ	**Contractor:** Driftwood	
NAD83	9					

Objective:
To target the southeast end of the vein exposed in SGZ-3A12-T001. Target is expected at 10 m.

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
18	49.6	307	57130	Reflex	1
51	49.8	308.3	57170	Reflex	1

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	7		CASING		100.0%				co	1
7	14.32	Silicified, milky w, fault fill QZVN.Commongly fractured-microfractured with local brecciated bands, rare phyllite fragments with diss py throughout. Common mineralized (py, asp, pyrrh) vnlets. Multiple forms of alterations including L2 (pervasive, fracs, microfrac), hem (frac), cy (smgr, vug), SIL (perv), and SCOR (perv). Core is fairly compentant overal, however, from 9.17-10.60m, core slightly more broken up into smaller fragments. Rare small vugs coated in cy occasionally form around mineralized vnlets. MT-CO.pbl host	QZVN	frac	88.0%	w			co	2
7	14.32	Clast supported, gy, weakly foliated QPC. Foliation defined by ~1mm cy+sul+/- mica? Vnlets and local qtz clasts elongate along foln. Clast size varies but qtz range from 0.1-1.2cm with an average of 3mm (75% of clasts). Fspar clasts are mostly recessively weathered with cy-smgr alt ranging from <1mm-1cm with an average of 3mm (20% alt fspar, 5% unaltered fspar). From 12.17-12.32m, pebble size averages 1cm. 12.3-12.36m, cgr MT-SS band (sharp contact). Rarely fractured with LIM1-2 coating. Sul (py, pyrr, asp) are diss in matrix of QPC or in vnlets (QPC fragments/ veins within QZVN that are more mineralized). Lower contact is sharp and defined by absence of fault fill QZVN.	MT-CO	pbl	12.0%	gy	qtz	75	co	2
14.32	34.12	Gy, silicificed, weakly-mod foliated. In general, all QPC in this interval is clast supported (local sections of matrix supported). Clast size is highly variable throughout, but lithology remains consistent. From 14.32-16.24m, 21.63-27.00m, 30.80-31.89m, QPC pebbles average 0.8cm and have SIL2 alteration, moderately foliated (elongate clasts defining foln). Few black, angular lithic fragments throughout these sections. The remainder of QPC has an average clast size of 2-3mm, SIL2 and weakly foliated. Fspar grains are almost completely cy-smgr alt (35% overall, but up to 50% locally). Few QZVN xcutting (SHTV, TVA, vnlets, FLT fill). L1 coating on broken surfaces, but core is competant overall, and unmineralized. Bottom contact is sharp and defined by flt fill QZVN	MT-CO	pbl	70.0%	w	qtz	65	co	1
14.32	34.12	Cgr, Gray, very weakly foliated MT-SS. Interbedded within MT-CO.pbl from 18.60-20.76m, 27.16-28.87m, 31.89-32.60m. Contacts with QPC and SS are both sharp and gradational. From 18.60-19.33m, MT-SS is mgr and has subtle chl1 alt diss in matrix. Fspar grains have cy-smgr (+/- existing with LIM) alt throughout (<1mm avg). Common vfgr, dk gy vnlets throughout (infilled with py+ cy +/- mica?--too fine grained to identify). Few QZVN (vnlets, SHTV, TVA) that are sometimes vuggy with rare microfracs. Rare small fracs coated in LIM throughout interval. All MT-SS is weakly silicified.	MT-SS	cgr	25.0%	gy			co	0

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Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
14.32	34.12	clean, w, SHTV, TVA, vnlets, and rare FLT fill. Rare overall, few vugs throughout larger veins (sometimes coated in LIM). Qtz in this unit is unaltered and unmineralized.	QZVN		5.0%	w			co	0
34.12	45.33	Upper contact sharp and defined by fault gouge. Host to multiple QZVN (SHTV, FLT, TVA). Clast supported, silicified, weakly foliated QPC. Clasts average ~4-5mm but are up to 1.3cm wide. Cy-smgr of fspar clasts (25% overall). Rare lithic fragments, common cy+ LIM vnlets, partially vuggy, and mod-strongly fractured. Fairly competant except from 37.32-41.72m--BFZ, stronger cy+LIM alteration on broken surfaces, much more fractured, some gouge material present. Trace sulfides diss throuhgout matrix rarely in fracs. Lower contact sharp with MT-PHY.	MT-CO	pbl	70.0%	gy	qtz	75	br	2
34.12	45.33	Strongly fractured, milky w, SHTV, TVA, and flt fill QZVN. Fractures and microfracrtures are coated in LIM, strong cy alteration on broken surfaces and in open vugs. Wavy boundaries with MT-CO. 34.12-36m has majority of mineralization with common vnlets (asp with very weak SCOR alt assoc---4% asp overall). Remainder of interval has trace amounts of asp diss or conc in vnlets.	QZVN	frac	30.0%	w			br	2
45.33	51	mgr, weakly-mod foliated, thinly laminated (MT-SLT), slightly greenish (weak chl1 alt) MT-SS. Common cy-vnlets and rare fractures. 49.90-51.00m, sandstone is coarse grained and borderlines MT-CO (can see cy-smgr of fspar crains). Trace py within silty veinlets only.	MT-SS	mgr	56.0%	g			co	1
45.33	51	fgr, black, well foliated, stronly laminated (MT-SLT) phyllite. Some gouge material at 45.33-45.50m, 46.53-46.63m and at 47.00m. Rare small scale faulting and folding throughout (shows offset from silty veinlets). Diss py within phy. Few xcutting QZVN (SHTV, vnlets)	MT-Phy	fol	40.0%	n			fr	2
45.33	51	Deformed, but mineralized (py) rare SHTV and common vnlets. Wavy, even slightly crenulated. Ankerite patches and selvedge common	QZVN	frac	3.0%	w			co	1
45.33	51	<1mm laminations within phyllite and sandstone. Defines bedding	MT-SLT	fgr	1.0%	bf			co	1

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
7	14.32	abnt on many/ all broken fragments and pervasive within microfracs of QZVN--gives of a peach color locally	LIM	3	frac	o
7	14.32	coats rare vugs in QZVN	LIM	1	vug	o
7	14.32	fspar grains in MT-CO	cy	2	smgr	w
7	14.32	assoc with LIM on broken surfaces, but much less abnt, and along small vnlet	cy	1	frac	bf
7	14.32	coats rare vugs within QZVN and MT-CO	cy	1	vug	bf
7	14.32	rare, exists with LIM, on broken surfaces and microfracs	hem	1	frac	r
7.1	11	Vitrous, yellow min, pervasive in microfracs		1	frac	y
7.1	11	Greenish-yellow, diss around asp vnlets and xtls	SCOR	1	diss	g
14.32	18.63	intense smgr of fspar	cy	3	smgr	w
14.32	34.12	coats fractured surfaces	LIM	1	frac	o
14.32	51	common throughout, but very minor overall	cy	1	vn	w
14.32	34.12	pervasive qtz flooding, more dominant in MT-CO sections	SIL	2	perv	gy
21	45.34	complete replacement of spar grains within MT-CO and cgr SS	cy	3	smgr	w
21	45.34	weak, exists with cy-smgr of fspar	LIM	1	smgr	o
25.24	25.5	BFZ, increase of LIM coating on broken surfaces	LIM	2	frac	o
30.28	38.8	Slight increase in LIM coating on fracs from weak BFZ	LIM	2	frac	o
34.12	34.55	beginning of FZ	cy	3	gouge	bf

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
34.12	34.55	Beginning of FZ	LIM	3	gouge	o
38.3	38.5	In FZ	cy	3	gouge	bf
38.3	38.5	in FZ	LIM	3	gouge	o
39.59	41.72	very light blue, on broken surface of BFZ but diss all throughout MT-CO	ser	2	diss	b
40.5	40.75	Within BFZ	cy	3	gouge	bf
40.5	40.75	within BFZ	LIM	3	gouge	o
45.36	51	complete replace of fspar grains	cy	1	smgr	w
45.36	51	weak chl alt in MT-SS	chl	1	diss	g
45.36	45.48	in contact with MT-CO and PHY	cy	2	gouge	gy
45.36	51	dominated in MT-SS but also at in PHY, partially infilled with ank as well	cy	1	frac	bf

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
7	14.32	QZVN	200.0%	FLT	First 10cm is brecciated, MT-CO host
7	51	QZVN	200.0%	SHTV	Occurs throughout, more dominant in fault regions
7	14.32	FRAC	100.0%	BFZ	Locally more broken sections
10.75	16.69	QZVN	100.0%	TVA	rresult from a SHTV approximately parallel to CA
16.24	16.67	FZ	100.0%	gg	weak phyllite gouge
21	45.36	QZVN	100.0%	TVA	Sparsely distributed, but common throughout
25.24	25.5	FZ	100.0%	BFZ	Increase in fractures and core is broken into multiple size fragments
30.28	30.8	FZ	100.0%	BFZ	Weak Brittle fault, more fractures but core is broken in large fragments, increase in LIM alt (L2)
34.12	34.55	FZ	200.0%	gg	strong gg in contact between MT-CO and QZVN, abnt cy and LIM alt in association
34.12	36	QZVN	200.0%	FLT	Large fault infill
36	41.72	QZVN	200.0%	SHTV	Increased abundance in sheeted vains due to FZ
38.3	38.5	FZ	100.0%	gg	increased cy and LIM alt in association
39.59	41.72	FZ	200.0%	BFZ	very broken, increased alteration, strongly fractured
40.5	40.75	FZ	100.0%	gg	within BFZ
45.36	45.48	FZ	300.0%	gg	in contact with MT-CO and PHY
46.5	46.7	FZ	300.0%	gg	strong within PHY
47.05	47.07	FZ	200.0%	gg	small fault within PHY
49.1	51	FRAC	100.0%		sheeted fractured infilled with cy

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
7	14.32	rare	asp	0.005	frac
7	14.32	rare in MT-CO mtx	asp	0.005	diss
7	14.32	rare	asp	0.01	vug
7	14.32	commonly diss in vnlets and cgr xtls in larger vns	asp	0.04	vn
7	51	diss throughout MT-CO and MT-SS matrix through entire hole, trace amounts, vfgr-cgr euhedral xtls	py	0.005	diss
7	14.32	diss rarely around asp, especially between 10.5-12.0m. Slightly magnetic	pyr	0.005	diss
7	14.32	often within rare phyllite clasts	py	0.005	vug
7	14.32	along small microfracs, especially on broken core surfaces (sometimes fol controlled)	py	0.005	frac
34.12	41.72	slight increase in py mineralization in FZ	py	0.01	diss
34.12	36	common mineralized vnlets within QZVN	asp	0.05	vn
36	41.72	mineralized vnlets become much less abnt	asp	0.02	vn
45.36	51	exists as cgr euhedral xtls within qtz vns and vnlets	py	0.01	vn

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
10.87	Fractures	81		LIM		22			consistent set within fault fill QZVN
11.69	Veins	38		asp	Veinlets	37	294		common mineralized asp vnlets, wavy boundaries, within QZVN
12.89	Veins	38		qtz	TVA	82			Almost vertical set within MT-CO, appear to be a result of fault fill qzvn
13.46	Veins	38		asp	Veinlets	60			veinlets gradually become steeper towards end of fault fill QZVN
15.77	Veins	38		qtz	SHTV	45			milky w, thin (<1cm) SHTV set
15.8	Veins	38		qtz	SHTV	45			milky w, unmineralized SHTV set within MT-CO
17.45	Veins	38		qtz	SHTV	53	38		milky w, consistent, unmineralized, vuggy SHTV set
19.51	Veins	38		qtz	TVA	12			xcuts SHTV array (doesn't actually look like it is associated with SHTV, because it is wider), vuggy, milky w
21.19	Veins	38		qtz	SHTV	30	70		milky w, wavy qzvn with fracs running through and TVA associated, unmineralized
21.2	Veins	38		qtz	TVA	22			coming off SHTV in a roughly perpendicular fashion, thinner, pinched out
24.7	Veins	38		ank	Veinlets	10	330		rare, within MT-CO
24.95	Veins	38		qtz	SHTV	40			microfractured and slightly vuggy milky w SHTV, unmineralized within MT-CO
27.48	Veins	38		qtz	SHTV	42			milky w, vuggy, weakly microfractures with cgr diss euhedral py and asp selvedge
29.52	Fractures	81		LIM		25			very thin, sheeted fracs? Mostly LIM coated but also cy coated
30.12	Veins	38		qtz	SHTV	20	30		gy qtz infill, <1cm, consistent, clean, unmineralized
31.02	Fractures	81		LIM	Open	20			larger, open fracs within MT-CO coated in LIM
34.12	Contact			LIM	Gouge	35			contact between MT-CO and BFZ
34.82	Fractures	81		LIM	Open	55	10		abnt sheeted fracs within 5cm in each direction, within strongly fractured QZVN
35.52	Veins	38		asp	Veinlets	40	28		mineralized vnlets within QZVN
36.81	Veins	38		qtz	SHTV	85	18		milky w, vuggy, consisitent SHTV set
37.96	Veins	38		qtz	TVA	80	350		common, consistent
45.84	Faults	38		ank	STWK	8			small series of "microfaults" (stockwork veins?), displaying offset within siltstone laminations in PHY
46	Faults	38		PHY	Gouge	40			small ~1cm general fault, gg infill

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-007	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	305	51				

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
46.23	Faults	38		ank		20			small "microfaults" within phyllite, distinguished by offset in siltstone laminations
46.4	Contact			PHY	Gouge	25			upper contact of ~20cm gouge zone within PHY
47.01	Faults	38		cy	SHTV	75			sheeted set of veins/ faults displaying offset in siltstone laminations in phyllite
47.07	Faults	38		PHY	Gouge	40			gg along foln
47.44	Faults	38		cy	SHTV	5			almost parallel to CA, <1mm, consistent, shows offset in siltstone laminations
47.65	Bedding	46	So			45	258		silstone lamination
48.71	Bedding	46	So			25			silstone interbed
49.3	Veins	38		cy	SHTV	25			consistent, common, within MT-SS, cy weathered out locallyso veinlets are vuggy

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
32031	7	8	2012	Expl Geochem	H-split	QZVN.frac	1.840	7492.800	0.290	0.004	5.700	0.530
32032	8	9	2012	Expl Geochem	H-split	QZVN.frac	10.190	7806.800	0.350	0.005	4.100	0.530
32033	9	10	2012	Expl Geochem	H-split	QZVN.frac	7.670	6943.800	0.290	0.001	5.400	0.610
32034	10	11	2012	Expl Geochem	H-split	QZVN.frac	1.940	4098.900	0.005	0.000	3.300	0.470
32035	11	12	2012	Expl Geochem	H-split	QZVN.frac	0.360	8000.400	0.005	0.000	3.400	0.570
32036	12	13	2012	Expl Geochem	H-split	MT-CO.pbl	0.290	4467.500	0.060	0.001	10.000	0.480
32037	13	14.27	2012	Expl Geochem	H-split	QZVN.frac	1.460	7565.900	0.410	0.002	4.500	0.660
32038	14.27	16	2012	Expl Geochem	H-split	MT-CO.pbl	0.020	700.000	0.005	0.001	10.400	0.450
32039	16	18	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	35.200	0.005	0.001	10.000	0.510
32040	18	20	2012	Expl Geochem	H-split	MT-SS.cgr	0.050	63.900	0.005	0.001	9.600	0.340
32041	20	22	2012	Expl Geochem	H-split	MT-CO.pbl	3.060	14.700	0.005	0.000	5.600	0.400
32042	22	24	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	24.200	0.240	0.002	12.200	0.400
32043	24	26	2012	Expl Geochem	H-split	MT-CO.pbl	0.440	447.700	0.005	0.001	10.000	0.450
32044	26	28	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	57.500	0.005	0.000	8.700	0.470
32045	28	30	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	90.200	0.040	0.001	11.600	0.420
32046	30	32	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	25.500	0.005	0.001	7.700	0.430
32047	32	34	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	13.700	0.005	0.000	7.400	0.400
32048	34	35	2012	Expl Geochem	H-split	QZVN.frac.gg	0.040	961.000	0.005	0.001	8.200	0.470
32049	35	36	2012	Expl Geochem	H-split	QZVN.frac	0.300	7823.300	0.400	0.001	4.600	0.730
32050	36	38	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.040	2286.800	0.005	0.001	7.100	0.460
32051	36	38	2012	DUP	Q-Split	MT-CO.pbl.vn	0.024	870.000	0.005	0.001	6.600	0.510
32052	36	38	2012	STND	CDN-GS-20A		20.031	10000.000	4.300	0.126	106.000	31.820
32053	38	40	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.010	1042.800	0.005	0.001	5.200	0.660
32054	40	42	2012	Expl Geochem	H-split	MT-CO.pbl.vn.gg	0.010	169.900	0.005	0.001	7.000	0.750
32055	42	44	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	115.100	0.005	0.001	7.900	0.590
32056	44	46	2012	Expl Geochem	H-split	MT-Phy.fol.vn.gg	0.530	54.600	0.800	0.001	22.800	0.510

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Sleeping Giant Zone	Hole ID:	3ASG-12-007	Grant No.:	YC72727
	Plunge:	Azimuth:	EOH:				
	50	305	51				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
32057	46	48	2012	Expl Geochem	H-split	MT-Phy.fol.gg.vn	3.680	58.400	0.005	0.002	52.700	0.440
32058	48	49.5	2012	Expl Geochem	H-split	MT-Phy.fol.vn	0.050	45.400	0.005	0.002	39.400	0.450
32059	49.5	51	2012	Expl Geochem	H-split	MT-SS.frac.vn	0.050	15.800	0.005	0.002	15.100	0.340

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Main Zone West **Hole ID:** 3AMW-12-001 **Logger:** ACD **Grant No.:** YC72730

Location				Orientation		
Easting:	**Northing:**	**Latitude:**	**Longitude:**	**Plunge:** 50		**Start Date:** 28/07/2012
533453.0	6844204.0			**Azimuth:** 270		**Finish Date:** 29/07/2012
Elevation:	1560 m	**Grid Name:** NA		**EOH:** 72.0	m	**Status:** Completed
Datum:	**UTM Zone:**	**Grid N:**	**Grid E:**	**Core Size:** HQ		**Contractor:** Driftwood
NAD83	9					

Objective:
Targeting high grade Au mineralization from chip samples in MZW-3A12-T002 and T003 at phyllite-conglomerate contact. Collared ~10 meters East of the north end of T003 and the East end of T002.

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
12	50.8	266.2	57143	Reflex	1
72	51.2	267.7	57175	Reflex	1

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	3	Casing	CASING		100.0%				co	1
3	13.5	Interval is broken and has very poor recovery. Gg in sections, most most of poor recovery is due to driller techniques. MT-SS.mgr (30%), b-gr-gy SS with diss chl1 alt, common LIM and hem coating on fracs, foln and vnlets. Intense cy 2-3 alt throughout, especially in gg sections (ie. 10.5-12m), QZVNing (2%) is rare and intensely fractured (fault fill veins and veinlets only). Overall very poor competancy and no visible mineralization evident. MT-Phy.fgr is extremely friable, very well foliated, and entire unti is incompetant and very broken. Heavy cy3 alt a long fracs, foln and gg sections (5.75m-6.50m, 7.5m-9m, and 10.5m-12m). Intense LIM2 and hem3 coating on foln and fracs. Intensely fractured overall, no evident mineralization. Lower contact is gradual that slowly grades into just MT-PHY	MT-IBSP	frac	98.0%	gy			lc	2
3	13.5	Rare! The few veins present are <2cm fault fill veins with gg selvedge and intense microfracturing and hem infill. So heavily overprinted, mineralization does not seem evident	QZVN	frac	2.0%	w			co	2
13.5	21	fgr, dk b-gy, well foliated, altered, sheen PHY. Strong cy2 alt throughout (veins, diss, fracs, foln), LIM3 (foln, fracs), hem 3 (foln, fracs), and chl 1(diss locally). Cy alteration elevated in gg sections (17.5-18.0m), and common small scale folding with axial planar fractures running through hinges. Entire interval is overprinted by fractures, therefore little competancy. 20.10-21.00m CSZ section--very deformed, broken, vuggy, fractured and veined. Bottom contact is sharp with CSZ in contact with MT-SS	MT-Phy	fol	95.0%	gy			fr	3
13.5	21	Fault fill and veinlets strongly fractured--has lim/ hem coating. 20.10-21.00m very defomed QZVN with wavy boundaries, intensely altered and broken with TVA (so intensely deformed, hard to tell if it's just a result of QZVN being slightly brecciated or both), no mineralization evident, strong gg selvedge locally	QZVN	frac	5.0%	w			br	3
21	36	cgr, brown, heavily fractured and altered MT-SS. Matric is altered with cy 2, chl 1 +/- ser 1, which locally gives off a greenish b hue. Overall, LIM3 (diss, foln, fracs, vnlets) + cy2 (diss, foln, fracs) + hem (diss, frac) overprints most of the mtx making it weak and friable. Few sparse qtz pbl (<5%, subrnd, 1-2mm max), rare cy-smgr of fspar pbl (<1mm). Trace py diss throughout mtx and common <1mm dk b-gy vnlets (aspy? +/- mica?, too fgr to decipher). Local sections of QPC, <10cm (5% overall). Common qtz veining throughout. From 24.30-24.90m, dk b-gy MT-PHY with intense hem alt a long foln (CSZ?, deformed). Last 0.5m of interval has intense cy alt but common diss asp with SCOR 1 alt. Bottom contact is sharp with MT-PHY	MT-SS	cgr	75.0%	br	qtz	3	br	2

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
21	36	vnlets, TVA, fault fill, SHTV and STWK. Overall, all qtz veins are very deformed--highly fractured with LIM coating/ selvedge. From 31.38-31.72m, large broken fault fill qtz vein with cy1+ser1 alt a long fracs, few ank patches vuggy (LIM+hem+ank coating), but mineralized (py+asp xtls diss and a long fracs/ vnlets. 2-3% sul overall). Alteration and mineralization consistent through all QZVN in interval. From 31.92-33m, intense STWK.	QZVN	frac	25.0%	w			br	2
36	72	vfgr, blk, well foliated, friable, incompetant phy. Multiple BFZ throughout, contacts are marked by gg zones (see interval structure). Common cy and SLST interbeds/ laminations, often with LIM coating. Intensely fractured with cy + LIM infill, rarely crenulated. Wk chl 1 alt a long foln planes (local feature), hem 1-2 (foln mostly, rare fracs), cy 2 (fracs, foln, vnlets). Multiple CSZ zones that show brc locally, very broken and fractured, highly defomred, multiple overprinting alterations (hem, LIM, cy, chl, gph) and always have some form of QZVNing within these zones (39.00-40.5m, 43.73-44.15m). Small scale folding showing common parasitic folds and common faulting. From 60.00-72.00m, overall an increase in cy3 alt (diss) and gg content, associated with a higher degree of faulting. Multiple 1-3cm faults, with common sections completely altered to cy.	MT-Phy	fgr	88.0%	blk			fr	4
36	72	0.1-1cm laminations/ itbds, bugg beige, often altered to cy/ chl. Defines strong bedding, often folded. LIM coating within cy portions common, especially within first 4m.	MT-SLT	fgr	7.0%	bf			co	4
36	72	veinlets mostly, but few defined sets of SHTV (40.5-41.00m, 1-2mm vns all at same orientation). Often have chl 1 +cy1 associated, as well as LIM selvedge/ coating on microfracs. QZVN abundance increases in CSZ (up to 30% locally, rarely showing crenulations). Rare TVA further downhole associated with fault fill veins (which also increase downhole and intensely microfrac'd).	QZVN	frac	5.0%	w			co	2

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
3	40.5	coating with LIM	hem	3	frac	r
3	36	coats every foln plane	LIM	3	fol	o
3	40.5	rare	hem	3	vug	r
3	40.5	especially pervasive from 24.90m-36.00m	hem	3	diss	r
3	40.5	dominant form of hem alt	hem	3	fol	r
3	36	coating rare vugs	LIM	3	vug	o
3	36	most intense in faulted regions/ gg sections	LIM	3	perv	o
3	36	most intense in faulted regions/ gg sections	LIM	3	diss	o
3	36	LIM selvedge and coats microfracs	LIM	3	vn	o
3	36	coats all fracs, most intense in faulted regions/ gg sections	LIM	3	frac	o
3	40.5	selvedge, locally str within vnlets	hem	3	vn	r
4	8.7	BFZ, partial gouge, causes rock to be friable	cy	2	gouge	b
9.5	13.5	perv within SS and gouge	chl	1	diss	g
10	12	br-gy, light b gue in local areas (ser?, cy?)	cy	3	gouge	b
15.2	21	mm-sized within phy	cy	1	vnlets	bf
15.2	21	makes PHY friable	cy	1	frac	gy
15.2	21	makes PHY friable. Color ranges from gy-g-bluish-brown	cy	1	foln	gy
17.2	18	marks end of FZ	cy	2	gouge	gy
21	23.5	throughout MT-SS mtx, makes nature of rock weak	cy	2	diss	b

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
25	30	vfgrm within SS mtx	chl	1	perv	g
25	36	fspar grains, rare, rounded	cy	1	smgr	o
25	36	fspar grains, rare, rounded	LIM	1	smgr	bf
25	36	pervasive within MT-SS mtx	cy	2	diss	b
31.4	36	coats open vugs	ank	1	vug	t
31.4	36	cream coloured, coats vnlets within QZVN	ank	1	vn	t
35.5	36	greenish-y, within qtz vein surrounding asp veinlets	SCOR	1	vn	g
36	72	rare, usually around QZVN	LIM	2	vug	o
36	72	rare selvedge	LIM	2	vns	o
36	72	dominant form of LIM alt	LIM	2	fol	o
36	72	coating	LIM	2	fracs	o
37.66	72	gy-brown a long broken foln planes and throughout comeptant PHY	cy	1	fol	gy
38.7	40.47	brown around qtz, gy within PHY	cy	3	gouge	gy
39	42	silvery-gy within CSZ	gph	2	fol	gy
40.5	51.75	exists on broken fracs and foln planes +/- LIM	chl	2	fol	g
40.5	67.5	within microfracs of QZVN	hem	2	frac	r
40.5	48.22	often within qtz vein but also as rare veinlets	chl	1.5	vn	g
40.5	67.5	dominant form of hem alt, decreases downhole	hem	2	fol	r
40.5	67.5		hem	2	gouge	r
41.7	42	top contact to BFZ	cy	3	gouge	gy
44.65	45.5	intense! Contact to BFZ	cy	3	gouge	b
47	48	completely altered/ coated to cy/ mud	cy	3	gouge	blk
50.8	51	contact to BFZ	cy	3	gouge	gy
52.5	53	contact BFZ	cy	3	gouge	gy
53	72	common cy alt a long foln +/-chl	cy	2	fol	gy
55.85	58	dispersed gg sections, but intense	cy	3	gouge	gy
60	72	very intense in last portion of hole, especially in gg sections	cy	3	fol	gy
60	69	only visible if core is broken a long foln plane	chl	2	fol	g
66	69	within qtz fault fill veins, a long microfracs	chl	1	vn	g

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
3	18	FZ	300.0%	BFZ	very broken, poor recovery, gg, little competance
15	21	QZVN	100.0%	FLT	fractured at boundaries and within, sporadic throughout PHY, inconsistent, TVA coming off
20.1	21	FZ	400.0%	CSZ	very deformed, abnt fracs, small scale folding
21	24	QZVN	100.0%	SHTV	consistent orientation, ~0.5cm avg, microfractured with LIM coating
24.77	27	FZ	200.0%	BFZ	very altered, gg, broken but in larger frags due to increased competancy of QZVN
24.9	36	QZVN	200.0%	FLT	multiple veins within interval, highly fractured and altered, TVA coming off, localy wavy boundaries, xcuts everything
24.9	36	QZVN	100.0%	SHTV	rare, but consistent orientaion, 3-5mm avg, angle to CA decreses downhole
24.9	36	QZVN	200.0%	TVA	common, wavy, pinched out, coming off fault fill vein
29.6	31.24	FZ	200.0%	BFZ	gg at contact, increased cy and LIM alt
31.92	33	QZVN	300.0%	stwk	intense veining
35.5	36	QZVN	300.0%	stwk	heavily veined
39.3	40.5	FZ	400.0%	CSZ	highly deformed PHY + qtz veining, micro brc
40.15	42	FZ	200.0%	BFZ	in PHY, gg at contacts
40.5	44.5	QZVN	100.0%	veinlets	a long foln, ~1mm, LIM selvedge occasionally
43.73	44.15	FZ	400.0%	CSZ	highly deformed, multiple qtz veining, many types of alt (LIM, chl, hem)
44.7	48	FZ	300.0%	BFZ	gg at upper contact, lower contact is essentially mud
50.8	53	FZ	200.0%	BFZ	gg at contacts, very broken a long foln, abnt frags
54.9	55.85	FZ	400.0%	CSZ	development of crenulation a long chl-siltstone itbds-parasitic folding as well
56.2	57.6	FZ	200.0%	BFZ	gg at contact, increased hem alt downhole, elevated cy alt
63	66	FZ	100.0%	BFZ?	gg at contact (beginning and end of run, driller technique influenced? Core is friable already…)
66	68.25	QZVN	100.0%	SHTV	rare, but consistent orientation, <1cm, fractured
67.32	67.4	QZVN	300.0%	FLT	gg at upper contact, intensely fractured with chl + LIM coating
68.25	72	FZ	300.0%	gg	80% gouge material, brown-gy
68.59	68.67	FZ	300.0%	CSZ	intense QZVN with fracs, vugs, and increased cy and chl alt
68.75	69.9	FZ	100.0%	BFZ	mud/gg at contact, increased cy alt, very friable

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
3	72	vvfgr, diss within PHY (too fgr to see almost), vfgr in SS	py	0.005	diss
28.15	36	sometimes as selvedge around smaller QZVN, diss within asp as well	py	0.005	vn
28.15	36	trace, diss within mtx of SS and within QZVN, euhrdral	py	0.01	diss
28.15	36	veinlets, up to 5% locally, vfgr, occasionally larger xtls, abnt in last 40cm	asp	0.02	vn
28.15	36	trace, few xtls 1-3mm	asp	0.005	frac
28.15	36	vfgr, gives mtx a dk b-gy color	asp	0.02	diss
38.15	44.12	rare, but where they are localted, they are completely concentrated with py, discontinuour	py	0.005	vn
38.15	44.12	within phy and gouge, often a long foln planes	py	0.01	diss

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
15.23	Bedding	46	So	cy		40			cy+LIM itbd
15.33	Bedding	46	So	LIM		65			LIM vnlet with xcutting foln
15.33	Foliation	83	S1	LIM		10			distinct, locally visible due to LIM coating
18.75	Veins	38		LIM	AXP	28			few LIM coated vnlets that run right through hinge of parasitic folds
23.51	Veins	38		qtz	SHTV	55			common, consistent set, ~0.5cm wide, heavily fractured and vuggy with LIM alt
23.94	Veins	38		qtz	TVA	25			coming off SHTV array, very thin, ~1-2mm
26.2	Veins	38		qtz	FLT	21			heavily cy+LIM alt SS, qzvn heavily fractured
28.59	Veins	38		qtz	TVA	40			milky w, 1-2mm
28.6	Veins	38		qtz	TVA	15			coming off SHTV/ FLT infill vein, <1mm
29	Veins	38		qtz	TVA	85			Vertical set, ~2-3mm
31.3	Veins	38		qtz	SHTV	70			irregular, wavy, with blk selvedge (sul+ mica?), heavily frac'd
31.81	Veins	38		qtz	SHTV	48			milky w with cy+LIM selvedge
32.12	Veins	38		sulp	Veinlets	5			vvfgr blk-gy sul +mica? Vnlets, <1mm
32.89	Veins	38		qtz	TVA	88	268		intensely fractured with LIM coating and selvedge, pinches out
34.16	Foliation	83	S1	sulp		20			defined by sul + mica? Vnlets, <1mm
34.64	Fractures	81		LIM		25			sheeted, within flt fill qtz vn, parallel
35.13	Veins	38		qtz	SHTV	37			highly altered, vuggy, microfractures with LIM coating
35.6	Veins	38		qtz	TVA	45			heavy TVA within STWK
35.63	Veins	38		qtz	STWK	70			rare sheeted vn within STWK
37.52	Bedding	46	So	cy	Clay	45			cy itbd
38	Veins	38		cy	Veinlets	50			xcuts bedding, subtly crenulated
40.79	Bedding	46	So	qtz	SHTV	60			sheeted veinlets defining bedding, parallel, ~1mm,consistent
43.73	Contact			chl		25			contact between phyllite and CSZ
48.3	Fractures	81		LIM	Open	5			~25cm open frac within phy, 10 degree extension off main frac, continuous
48.58	Bedding	46	So	cy		10			cy itbd with small parasitic folding near hinge
53.92	Veins	38		LIM	AXP	58			small vnlet extending directly through hinge of parasitic folds
54.6	Bedding	46	So	cy		35			<1mm itbd
54.86	Foliation	83	S1	cy		40			elongary cy clsts defining foln with chl alt
54.95	Bedding	46	So	cy		5			cy interbed, approximately parallel with CA
55.76	Bedding	46	So	cy		35			cy interbed, wavy
58.65	Contact				Gouge	55			lower contact of small general fault
58.95	Veins			qtz	TVA	50			Flt vn xcuts TVA, short, pinched out
59.38	Veins			cy	AXP	45			through hinge of parasitic folds
59.4	Bedding	46	So	cy		35			cy itbd
61.03	Contact			cy		50			highly cy altered phy, ~3cm flt zone
62.25	Veins			qtz	FLT	70			~0.5cm, gg surrounding boundaries
66.15	Veins			qtz	SHTV	55			~1.5cm, highly fractured with LIM selvedge and frac infill, consistent
68.13	Veins			qtz	FLT	75			intense gg and chl around boundaries (1cm)

Project:	NTR3A	Prospect:	Main Zone West	Hole ID:	3AMW-12-001	Grant No.:	YC72730
	Plunge:	Azimuth:	EOH:				
	50	270	72				

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
71	Bedding	46	So			60			cy itbd

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33696	3	6	2012	Expl Geochem	H-split	MT-PHY.fgr.frac	0.003	28.400	0.005	0.003	53.300	0.460
33697	6	9	2012	Expl Geochem	H-split	MT-PHY.fgr.frac	0.030	95.500	0.150	0.003	36.400	0.470
33698	9	15	2012	Expl Geochem	H-split	MT-SS.frac.mgr	0.070	424.100	0.040	0.001	32.900	0.680
33699	15	18	2012	Expl Geochem	H-split	MT-PHY.fgr.frac	0.040	110.800	0.070	0.002	39.500	0.700
33700	18	21	2012	Expl Geochem	H-split	MT-PHY.fgr.frac	0.060	94.300	0.030	0.003	57.100	0.830
33701	21	24	2012	Expl Geochem	H-split	MT-SS.cgr	0.050	410.100	0.005	0.001	11.300	0.400
33702	24	27	2012	Expl Geochem	H-split	MT-SS.cgr	0.110	652.300	0.005	0.001	28.100	0.700
33703	27	30	2012	Expl Geochem	H-split	MT-SS.cgr	0.020	919.600	0.005	0.001	9.000	0.540
33704	30	33	2012	Expl Geochem	H-split	MT-SS.cgr.vn	0.410	2602.300	0.005	0.000	10.400	0.600
33705	33	34.5	2012	Expl Geochem	H-split	MT-SS.cgr.vn	0.230	1974.800	0.005	0.001	11.300	0.540
33706	34.5	36	2012	Expl Geochem	H-Split	MT-SS.cgr.vn	0.680	2804.300	0.005	0.003	14.900	0.670
33708	36	38	2012	DUP	Q-Split	MT-PHY.fgr.frac	0.014	183.200	0.360	0.003	61.600	0.580
33709	36	38	2012	Blank	LWS_2011	MT-PHY.fgr.frac	0.003	2.700	0.190	0.000	1.900	0.080
33707	36	38	2012	Expl Geochem	H-split	MT-PHY.fgr.frac	0.010	129.700	0.060	0.002	51.200	0.440
33710	38	40	2012	Expl Geochem	H-split	MT-PHY.CSZ.fgr	0.050	1041.900	1.060	0.002	78.800	0.710
33711	40	42	2012	Expl Geochem	H-split	MT-PHY.fgr.CSZ	0.050	445.800	0.370	0.006	44.500	1.980
33712	42	44	2012	Expl Geochem	H-split	MT-PHY.fgr.CSZ	0.020	102.700	0.260	0.004	40.300	1.410
33713	44	48	2012	Expl Geochem	H-split	MT-PHY.gg.CSZ	0.280	344.000	0.510	0.005	45.200	2.070
33714	48	50	2012	Expl Geochem	H-split	MT-PHY.fgr.frac	0.013	25.500	0.080	0.002	36.700	0.390
33715	50	52	2012	Expl Geochem	H-split	MT-PHY.frac.gg.fgr	0.003	35.500	0.070	0.002	35.500	0.460
33716	52	54	2012	Expl Geochem	H-split	MT-PHY.frac.gg.fgr	0.003	30.400	0.170	0.004	32.400	0.400
33717	54	56	2012	Expl Geochem	H-split	MT-PHY.fgr.frac	0.003	22.300	0.060	0.002	43.200	0.380
33718	56	58	2012	Expl Geochem	H-split	MT-PHY.gg.frac.fgr	0.003	30.700	0.030	0.002	50.800	0.440
33719	58	60	2012	Expl Geochem	H-split	MT-PHY.fgr.frac	0.003	18.500	0.060	0.003	32.400	0.480
33720	60	62	2012	Expl Geochem	H-split	MT-PHY.fgr.frac	0.003	15.000	0.020	0.003	48.200	0.420
33721	62	64	2012	Expl Geochem	H-split	MT-PHY.frac.gg.fgr	0.003	15.700	0.150	0.002	46.500	0.440
33722	64	66	2012	Expl Geochem	H-split	MT-PHY.gg.frac.fgr	0.003	16.400	0.130	0.003	54.800	0.470
33723	66	68	2012	Expl Geochem	H-split	MT-PHY.frac.fgr.gg	0.008	20.300	0.020	0.004	94.900	0.530

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project: NTR3A **Prospect:** Main Zone West **Hole ID:** 3AMW-12-001 **Grant No.:** YC72730

Plunge: 50 **Azimuth:** 270 **EOH:** 72

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33724	68	70	2012	Expl Geochem	H-split	MT-PHY.gg.frac.fgr	0.003	21.400	0.005	0.003	57.100	0.500
33725	70	72	2012	Expl Geochem	H-split	MT-PHY.frac.fgr.gg	0.005	17.700	0.005	0.002	49.000	0.350

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Kaiser Trend **Hole ID:** 3AKT-12-001 **Logger:** JAW **Grant No.:** YC89527

Location

Easting:	Northing:	Latitude:	Longitude:
532910.4	6845002.5		

Elevation: 1546 m **Grid Name:** NA

Datum:	UTM Zone:	Grid N:	Grid E:
NAD83	9		

Orientation

Plunge: 50
Azimuth: 225
EOH: 178.4 m
Core Size: HQ

Start Date: 26/07/2012
Finish Date: 28/07/2012
Status: Completed
Contractor: Driftwood

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
18	50	229.2	57991	Reflex	1
66	51.9	226.3	57065	Reflex	1
111	52.9	226.5	57181	Reflex	1
162	53.6	225.2	57453	Reflex	1
178	53.6	224.7	57049	Reflex	1

Objective:

This hole targets a distinct soil anomaly on L54N and three trenches that were excavated along the line. The trenches expose a contact between phyllite and altered QPC with asp mineralised qzvn.

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	3	Casing	CASING		100.0%				co	1
3	38.76	fgr, well foliated blk phy with thin grey silt stone interbedding. Foliation is parallel to bedding. Unit is predominatly competent with only one noticable BFZ. OR LIM alt along frac/bedding. Little limonitic qtz veining ~1% that is sometime chlorite altered. Lower contact is gouged and sharp with sandstone unit below.	MT-Phy	fgr	93.0%	n			co	2
3	38.76	vfgr gy silt interbeds occuring in phyllite. too fine grained to determine exact composition.	MT-SLT	vfgr	6.0%	gy			co	1
3	38.76	SHTV, Vnlets, FltVns. Partially chlorite altered along borders. Predominatly limonitic. Mostly bull qtz.	QZVN		1.0%	w			co	2
38.76	74.63	fgr to cgr gy sandstone unit (predominatly cgr). Competent sections are silicified. 15% fspars that show selective cy-smgr alt, 1 % dark lithics, 84% qtz. Some x-cutting ank microfractures. Lots of poor recovery throughout unit Unit shows hydrothermal altered zone at bottom of unit (69m-74.63m) where core become very friable and almost gouge-like. Upper contact is gouged and sharp with Phyllite unit above. Lower contact is very gouged and flt related and too deoformed to determine if its planar or irregular or gradational. Underlain by phyllite	MT-SS	cgr	81.0%	gy	qtz	84	lc	3
38.76	74.63	fgr blk phyllite interbeds. Only a small portion of interbeds show no deformation and are well foliated. Upper portion of interval shows cataclaysite texture while deeper interbeds are either hydrothermally altered or gouged. Ank/chlor alteration in cataclasite altered interbeds in which also shows intense pyrite mineralization in fractures.	MT-Phy	fgr	15.0%	n			lc	3
38.76	74.63	SHTV, Vnlets, FltVns. Partially chlorite altered along borders within phyllite interbeds. Predominatly limonitic up to a depths of 50m. Mineralization starts at a depth of 50m and shows and increase toward hydrothermal altered zone and occurs as fine grain euhedral asp and cgr anhedral pyrite.	QZVN		3.0%	w			br	1
38.76	74.63	Very small interbed of grey QPC with insense cy-smgr alteration. Disseminated pyrtie mineralization throughout. 15% alters fspars, 2% dark lithics 83% qtz	MT-CO	pbl	1.0%	gy	qtz	83	co	3

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Kaiser Trend	Hole ID:	3AKT-12-001	Grant No.:	YC89527
	Plunge:	Azimuth:	EOH:				
	50	225	178.36				

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
74.63	78.2	fgr hydrothermally altered blk phyllite. Predominatly soft and friable. Mineralized with pyrite along fractures. Qtz veins are either fragmented with angular clasts suggesting brecciation or completely powdered. Upper contact is very gouged and flt related and too deoformed to determine if its planar or irregular or gradational. Lower contact is gradational and is underlain with sandstone.	MT-Phy	fgr	98.0%	n			fr	3
74.63	78.2	fragmented with angular clasts suggesting brecciation. Otherwise completely powered. Hard to tell is it was formally STWK or SHTV.	QZVN	frag	2.0%	w			fr	3
78.2	86.05	Cgr grey sandstone unit. Unit is predominatly hydrothermal altered where core is very friable and almost gouge-like. Competent sections are silicified and have carbonate x-cutting veins. 20% fspars that show selective cy-smgr alt, 1 % dark lithics,79% qtz. Some x-cutting ank microfractures. Trace disseminated pyrite alteration. Upper contact is gradational. Lower contact is gouged sharp and underlain with phyllite.	MT-SS	cgr	97.0%	gy	qtz	79	fr	3
78.2	86.05	Competent sections of core shows STWK. Otherwise qtz is either completely powered due to hydrothermal alteration or fragmented. Tr pyrite mineralization at borders of qtz veins.	QZVN	frac	2.0%	w			fr	1
78.2	86.05	Fgr blk phyllite interbed that is friable showing disseminated pyrite mineralization	MT-Phy	fgr	1.0%	n			fr	3
86.05	112.32	fgr blk phyllite that is predominatly hydrothermally altered until 108m depth showing poor recovery runs and a only small section of competent core. Predominatly soft and friable with angular qtz clasts suggesting brecciation. From 108-112.32m core is competent and well foliated. Mineralized with pyrite mainly associated with veining or is fracture filliing. some x-cutting ank/chl alt in vns throughout unit. Upper contact is gouged and sharp. Lower contact is sharp planar and underlain with sandstone	MT-Phy	fgr	96.0%	n			fr	2
86.05	112.32	vfgr gy silt interbeds occuring in phyllite. Too fine grained to determine exact composition.	MT-SLT	fgr	4.0%	gy			fr	1
86.05	112.32	mgr grey silicified sanstone interbed at ~108m depth with sharp and gouged upper and lower contact. Contains tr disseminated fine grain asp mineralization. Py mineralization occurs at borders of STWK Vns.	MT-SS	mgr	1.0%	gy			co	1
86.05	112.32	Predominatly STWK and Flt Vnings. Py mineralization along borders. Selective chl alterations.	QZVN		1.0%	w			fr	1
112.32	128.7	Cgr grey silicified sandstone unit. Unit is competent with 10% fspars that show selective cy-smgr alt, 2 % dark lithics, 89% qtz. Clay filling fractures and vugs throughout unit. Trace disseminated/vn bounding pyrite mineralization and mostly associated with phyllite interbeds. Trace asp mineralization associated with flt vns. BFZ bound phyllite interbeds. Strong OR LIM alteration in top 2m (intensity 3.5) and bottom 1m (intensity 2) of unit. LIM alt also bounds phyllite intebeds (intensity 1.5). Upper and lower contacts are sharp and planar. Unit is underlan by phyllite.	MT-SS	cgr	94.0%	gy	qtz	89	co	1
112.32	128.7	fgr, well foliated blk phy with thin grey silt stone interbedding. Foliation is parallel to bedding. Unit is predominatly competent with OR LIM alt along frac/bedding. Qtz SHTV/Vnlets throughout that is mostly chlorite altered. Contacts are BFZ related.	MT-Phy	fgr	4.0%	n			co	1
112.32	128.7	STWK, SHTV, Vnlets, Fltvns. Minor Py mineralization associated with veining (mostly in phyllite interbeds). Trace Asp mineralization associated with flt vns. In areas where unit shows OR LIM alteration, qtz vns are also limonitic.	QZVN		2.0%	w			co	1

Project:	NTR3A	Prospect:	Kaiser Trend	Hole ID:	3AKT-12-001	Grant No.:	YC89527
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From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
128.7	131.65	fgr, well foliated blk phy with thin grey silt stone interbedding. Foliation is parallel to bedding. Unit is predominatly competent with only one gouge interval. Qtz veining it predominatly flt fill and shows chl alteration. Some fractures are have a buff iron carbonate fill. Trace py mineralization associated with SHTVs. Upper contact is sharp and planar. Lower contact is slightly irregular and bounded by a qzvn below	MT-Phy	fgr	95.0%	n			co	1
128.7	131.65	vfgr gy silt interbeds occuring in phyllite. Too fine grained to determine exact composition.	MT-SLT	fgr	3.0%	gy			co	1
128.7	131.65	little SHTV and Vnlets. One major FltVn that is 11cm thick. Flt Vn is bull. SHTV and Vnlets have trace py mineralization	QZVN		2.0%	w			co	1
131.65	141.81	mgr grey silicified sandstone unit. Unit is competent with 5% fspars that show selective cy-smgr alt, 2 % dark lithics, 89% qtz. Clay filling fractures and vugs in upper 3m of unit. Trace disseminated/vn bounding pyrite mineralization and mostly associated with phyllite interbeds. Asp mineralization associated with flt vns that are isolated in from 131.65-135.25m; also shows Scordite alt. Strong OR LIM alteration in top 2m (intensity 3.5). Intense chl alteration associated with qtz veining within phyllite interbeds. Upper contact is irregular and lower contacts are sharp and planar. Unit is underlan by phyllite.	MT-SS	mgr	80.0%	gy	qtz	89	co	1
131.65	141.81	fgr, well foliated blk phy with thin grey silt stone interbedding. Qtz veining shows chl alteration Contacts are predominatly associated with faults	MT-Phy	fgr	12.0%	n			br	2
131.65	141.81	STWK, fltVns, SHTVs and Vnlets. Asp mineralization associated with Fltvns in upper portion of unit which also show scordite alteration. Upper fltvns show strong OR LIM alt.	QZVN		8.0%	w			br	2
141.81	149.05	fgr, well foliated blk phy with thin grey silt stone interbedding. Foliation is parallel to bedding. Unit is predominatly competent. Very little Qtz veining it predominatly flt fill and shows chl alteration.Whispy white coloured carbonate vns and ANK alteration of fractures throughout. Trace py mineralization associated with fractures. Chl alteration associated with SHTVs. Upper and lower contact are sharp and planar. Underlain by a sandstone unit.	MT-Phy	fgr	75.0%	n			co	1
141.81	149.05	vfgr gy silt interbeds occuring in phyllite. Too fine grained to determine exact composition.	MT-SLT	fgr	24.0%	gy			co	1
141.81	149.05	SHTV, Vnlets. Chl alteration in most veins. Microfractues throughout most veins	QZVN		1.0%	w			co	1
149.05	165.54	mgr, grey siliciified sandstone. Slightly limonitic up depth 156m. SHTV and Veinlets throughout variable intensity (most intense 2m from top and bottom of unit). STWK 162-165.54m. Selective ANK alt filling of fractures. Slight cy-smgr alteration of fspars. Unit is competent with 5% fspars, 2 % dark lithics, 89% qtz. Little to no mineralization up to STWK veining at 162 (mostly occurs as tr disseminated py in phy interbeds). From 162-165.54 an increase in mineralization that occurs as selvge to qtz vns/frac/diss (asp and py). Trace Galena in STWK Upper and lower contacts are sharp and Planar	MT-SS	mgr	91.0%	gy	qtz	89	co	1
149.05	165.54	STWK, SHTV, Vnlets. STWK veins show diss py/asp mineralization	QZVN		8.0%	w			co	1
149.05	165.54	fgr blk phyllite interbeds with sharp contacts	MT-Phy	fgr	1.0%	n			co	1
165.54	178.36	fgr SS and fgr PHY.fol itbd throughout with common qtz vnlets, SHTV, and STWK	MT-IBSP	fgr	100.0%	gy			co	1

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
3	38.76	selective alteration of shtv throughout unit.	chl	1	vn	gr
3	38.76		LIM	1.5	frac/flt	OR
33	35.8	completely clay altered, very very poor recovery	cy	4	gouge	gy
38.7	38.76	completely clay altered	cy	4	gouge	gy
38.76	49.5	occuring only in sandstone interbeds	LIM	1	vn/frac	OR
38.76	74.63	occurs within ss and qpc	cy	1.5	smgr	w
38.76	74.63	occurs within qtz veining in phyllite interbeds	chl	1.5	vn	gr
38.76	74.63	occurs within ss and qpc	SIL	2	perv	w
54	57	completely clay altered, very very poor recovery	cy	4	gouge	gy
60	63	completely clay altered, very very poor recovery	cy	4	gouge	gy
69	107.7	core is predominatly friable and almost gouge-like in this area. Qtz is often altered to a powder or angular (suggests berecciation) in hydrothermal sections.	hydrothermal	3	perv	gy
89.4	90	completely clay altered	cy	4	gouge	gy
112.32	114	upper contact of ss unit	LIM	3.5	frac/vn	o
112.32	128.7	occurs within ss portion of unit.	SIL	1.5	perv	w
112.32	128.7	occurs within ss portion of unit.	cy	1	smgr	w
114.9	118.3	occurs within ss unit leading up to and away from phyllite interbeds	LIM	1.5	frac/vn	o
127.9	128.7	lower contact of ss unit	LIM	2	frac/vn	o
128.7	131.65	chl alteration associated with qtz veining	chl	2	vn	gr
128.7	131.65	cream buff whispy laminations	cbt	1	vn	bf
131.65	136	associated wih qtz veining in phy interbeds	chl	1	vn	gr
131.65	133		LIM	3.5	frac	or
131.65	135	associated with qtz veining	SCOR	1	perv	gr
131.65	141.81	occurs with ss	SIL	1	perv	w
140	141	associated with phy interbed. Showing some penatrative wedges.	chl	3	vn	gr
141.81	149.05	selective qtz veins are chl altered, typically veinlets. Increases toward contacts	chl	1	vn	gr
141.81	149.05	thin x-cutting ank filled fractures/vns	ank	1	vn	bf
141.81	149.05	occurs with slt	SIL	1	perv	w
145	154	occurs in fractures and in qtz vn borders	LIM	1	frac	o
146.56	147.6	clay altered gg associated with faulting	cy	2	gouge	gy
149.05	165.54	occuring in ss	cy	1	smgr	w
149.05	165.54	coating fractures throughout unit	ank	1	frac	bf
149.05	165.54	occuring in ss	SIL	1	perv	w
162	165.54	slight scor alteration in STWK at end of sandstone unit where asp mineralization is most intense	SCOR	0.5	vn	gr

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
0					
12.9	13.2	FZ	150.0%	BFZ	Broken core, clay
18.85	19.25	FZ	200.0%	BFZ	Broken core, clay
21.05	24	FZ	250.0%	BFZ	Crushed core
29.5	29.7	FZ	100.0%	BFZ	Broken core
30.08	35.9	FZ	200.0%	BFZ	Gouge, clay, poor recovery
42.25	45	SZ	300.0%	DSZ	Massive mineralisation
45.25	47.7	FZ	250.0%	BFZ	Broken core
54	57	FZ	350.0%	gg	Very poor recovery
57	93.3	FZ	300.0%	BFZ	Clay, gouge, broken core
93.3	98.7	SZ	200.0%	DSZ	Locally broken core
98.7	107.87	FZ	250.0%	gg	Locally broken core
128.65	129	SZ	200.0%	DSZ	Gouge, clay
130.85	130.9	FZ	300.0%	gg	completely clay altered
134.95	135	FZ	200.0%	gg	mostly friable, partially clay altered
137.69	141.3	QZVN	100.0%	stwk	mostly occuring in sandstone, showing chl alteration
142.92	142.98	FZ	200.0%	gg	mostly friable, slightly clay altered
147.19	147.26	FZ	200.0%	gg	mostly friable, slightly clay altered
147.26	147.5	FZ	200.0%	BFZ	friable and broken core bounded by gouge zones
147.5	147.55	FZ	200.0%	gg	mostly friable, slightly clay altered
149.05	162	QZVN	150.0%	SHTV	1mm to cm thickness at variable spacing. Seems to be two distinc sets of sheeted vns - one steeply deeping and one shallowly deeping, often limonitic at borderd

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
39	42		py	0.002	diss
39	42		asp	0.0001	diss
42	45	Locally massive mineralisation	py	0.005	frac
45	48		py	0.0001	vn
48	51		asp	0.0005	vug
48	51		py	0.001	diss
51	54		py	0.0001	diss
63	66		asp	0.0004	diss
63	66		py	0.0005	diss
81	84		py	0.0005	diss
84	87		py	0.0002	frac
93	96		asp	0.0001	diss
93	96		py	0.005	frac
96	99		py	0.0002	diss
111	114		py	0.0002	diss
117	120		py	0.0005	diss
117	120		asp	0.0001	diss
120	123		asp	0.0001	diss
120	123		py	0.0005	diss
129	132		gn	0.001	diss
129	132		py	0.001	diss
132	135		asp	0.0001	diss
132	135	occuring in the sandstone unit	py	0.01	frac
132	135	selvege on qtz veins and occuring in the sandstone unit	py	0.01	vn
135	141.81	mosting occuring in the phy interbeds, tr selvege along fltvn	py	0.0001	diss
141.81	149.05	occurs in phy	py	0.0001	diss
149.05	155.55		py	0.000001	frac
149.05	155.55		py	0.0001	diss

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
3.7	Foliation	83	S1		FOL	70			
6.1	Foliation	83	S1		FOL	70			
6.87	Veins			qtz	Veinlets	50			1mm thick
8.39	Veins			qtz	Veinlets	90			Cutting foliation
8.67	Foliation	83	S1		FOL	80			
10.1	Veins			qtz	Veinlets	80			0.50 cm thick, bold
11.5	Foliation	83	S1		FOL	80			
12.4	Foliation	83	S1		FOL	50			
13.77	Foliation	83	S1		FOL	75			
15.02	Foliation	83	S1		FOL	20	240		
15.66	Veins			qtz	Veinlets	90			0.50 cm thick, bold
16.9	Foliation	83	S1		FOL	55			
17.95	Foliation	83	S1		FOL	75			
18.45	Foliation	83	S1		FOL	70			
20.1	Joints	16				70			Clay infilled, strongly oxidized
20.8	Veins			qtz	Veinlets	90			1 cm thick, chloritic alteration on edges
24.2	Foliation	83	S1		FOL	50			
25	Foliation	83	S1		FOL	45			
25.63	Veins			qtz	Veinlets	70			Clay infilled, limonitic alteration
26.1	Joints	16				45			Strongly oxidized along fracture
27.1	Foliation	83	S1			45			
27.8	Foliation	83			FOL	50			
29.8	Cleavage	17	Sx			20			
30.6	Joints	16				55			Clay infilled
39.23	Joints	16				50			
42.24	Veins			qtz	STWK	55			0.4 mm thick, bold
42.7	Contact					65			Gradual SLT/PHY
44.8	Foliation	83	S1			20			
45.15	Contact					65			Gradual SLT/PHY
47.9	Bedding	46	So			85			
48.45	Veins			qtz	SHTV	40			2 cm thick, limonitic alteration on fractures within vein
50.72	Veins			qtz	STWK	65			2 mm thick, bold
50.9	Joints	16				50	10		Asp min filling vuggy fractures
51.2	Veins			qtz	FLTV	45	66		
74.1	Veins			qtz	FLTV	20			2 cm thick, bold
83.9	Veins			qtz	STWK	35			2 mm thick, bold
86.2	Veins			qtz	FLTV	65			
93.15	Joints	16				30			Graphitic alteration on fracture
95.4	Veins			qtz	Veinlets	45			2 mm thick

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
95.8	Foliation	83			FOL	55			
96	Veins			qtz	FLTV	45			2 cm thick, bold
98	Foliation	83			FOL	65			
99.15	Veins			qtz	STWK	50			0.5 cm thick, bold
107.57	Foliation	83			FOL	60			
107.9	Joints	16				50	240		Graphitic alteration infilling fracture
108.23	Veins			qtz	STWK	20	220		1 cm thick, vuggy, bold
109.36	Veins			qtz	FLTV	65			1 cm thick, bold
109.65	Veins			qtz	Veinlets	45			1 mm thick, bold
110.75	Foliation	83			FOL	65			
111.72	Bedding	46	So			50			1 cm thick layer
112.37	Contact					60			Gradual PHY/SS
112.9	Veins			qtz	SHTV	55			2 cm thick, strongly oxidized
114.26	Veins			qtz	SHTV	75			1 cm thick, bold
115.1	Veins			qtz	SHTV	75			Strongly oxidized
115.85	Veins			qtz	SHTV	60			5 cm thick, very fractured and strongly oxidized
116.63	Foliation	83			FOL	60			
116.83	Faults	38				40			2 cm separation of Qtz veinlet
118.3	Foliation	83			FOL	45			
118.7	Veins			qtz	SHTV	65			2 cm thick, Ank alteration
119.1	Veins			qtz	SHTV	70			1 cm thick, py min
119.7	Veins			qtz	STWK	40			1 cm thick, bold
120.84	Veins			qtz	STWK	75			1 cm thick, bold
121.7	Veins			qtz	STWK	55			3 cm thick, chloritic alteration
122.83	Veins			qtz	Veinlets	30	20		1 mm thick
123.05	Veins			qtz	Veinlets	80	340		1 mm thick
123.4	Faults	38				65			3 cm separation on quartz veinlet
125.4	Veins			qtz	Veinlets	55			0.5 cm thick, bold
125.95	Veins			qtz	Veinlets	35			0.5 cm thick, bold
127.42	Bedding	46				75			1 cm SLT layer
128.5	Veins			qtz	SHTV	30			9 cm thick, strongly oxidized
128.7	Contact					70			Gradual SLT/PHY
129.51	Veins			qtz	Veinlets	85			
130.4	Foliation	83			FOL	75			
131.41	Foliation				FOL	50	0		
131.52	Bedding	46				60	354		0.5 cm SLT layer
131.9	Veins			qtz	STWK	55	194		Scoroditic alteration
132.13	Contact					60			Gradual PHY/SS
134.8	Contact					70			Gradual SS/PHY

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
135.37	Joints	16				20			Scoroditic alteration
135.42	Veins			qtz	Veinlets	50			
135.83	Veins			qtz	FLTV	80			6 cm thick, Chloritic alteration
136.43	Contact					85			Gradual SLT/PHY
137.1	Veins			qtz	Veinlets	65			1 mm thick
137.85	Bedding	46	So			60	330		silt stone interbed
138.08	Contact					70	250		
138.12	Fractures	81		qtz		30	0		
138.44	Veins	38		qtz	SHTV	40			2cm thick. Microfractures.
141.48	Veins	38		qtz	Veinlets	15			
141.85	Contact					40			contact between sandstone and phyllite
143.76	Bedding	46	So			40	320		bedding of siltstone interbed
144.13	Veins	38		qtz	Veinlets	55	330		
144.22	Veins	38		qtz	Veinlets	50	300		
144.82	Veins	38		qtz	FltVn	45	160		limonitic, py mineralization selvege, 1cm thick, vuggy, microfractured
145.22	Faults	38		ank		55	300		
145.31	Veins	38		qtz	SHTV	65	330		1cm thick, microfractured, clay filled vugs
145.78	Faults	38				50	70		
145.8	Fractures	81				60	110		
145.85	Veins	38		qtz	Veinlets	50	150		
146.21	Bedding		So			60	330		silt stone interbed
149.05	Contact					55			contact between phy and sandstone units
149.12	Veins			qtz	fltvn	35			1cm thick microfractured
149.32	Veins			qtz	SHTV	87			1.5cm thick. Microfractures, vuggy clay filled, slightly limonitic along borders
149.6	Veins			qtz	SHTV	18			6cm thick, microfractures, slightly limonitic along borders
149.93	Veins			qtz	SHTV	30	125		
149.96	Bedding		So			22	85		
150.23	Fractures					35			
150.64	Veins			qtz	SHTV	40			0.5cm thick, 5cm spacing, viggy clay filled, limonitic along borders
153.12	Fractures					8			clay/ank filled, clean fractures
154.4	Veins			qtz	SHTV	50	110		0.25cm, vuggy clay filled, 1-4cm spacing
154.5	Bedding		So			55	85		
155.16	Veins			qtz	SHTV	15	120		1.5cm thick 7-11cm spacing, microfractured

Assay Samples

Project:	NTR3A	Prospect:	Kaiser Trend	Hole ID:	3AKT-12-001	Grant No.:	YC89527
	Plunge:	Azimuth:	EOH:				
	50	225	178.36				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33608	3	6	2012	Expl Geochem	H-split	MT-Phy.fgr	0.009	48.500		0.002	23.800	0.430
33609	6	8	2012	Expl Geochem	H-split	MT-Phy.fgr	0.007	52.500		0.002	56.000	0.420
33610	8	10	2012	Expl Geochem	H-split	MT-Phy.fgr	0.006	45.100		0.002	53.000	0.380
33611	10	12	2012	Expl Geochem	H-split	MT-Phy.fgr	0.003	43.100		0.002	44.400	0.470
33612	12	14	2012	Expl Geochem	H-split	MT-Phy.fgr	0.005	44.100		0.002	43.700	0.410
33613	14	16	2012	Expl Geochem	H-split	MT-Phy.fgr	0.003	43.400		0.002	55.200	0.450
33614	16	18	2012	Expl Geochem	H-split	MT-Phy.fgr	0.006	41.700		0.003	61.400	0.520
33615	18	20	2012	Expl Geochem	H-split	MT-Phy.fgr	0.003	46.500		0.002	68.300	0.460
33616	20	22	2012	Expl Geochem	H-split	MT-Phy.fgr	0.005	46.200		0.003	70.500	0.460
33617	22	25	2012	Expl Geochem	H-split	MT-Phy.fgr	0.006	42.800		0.003	50.200	0.370
33618	25	27	2012	Expl Geochem	H-split	MT-Phy.fgr	0.008	47.300		0.002	49.400	0.390
33619	27	30	2012	Expl Geochem	H-split	MT-Phy.fgr	0.010	49.000		0.003	46.900	0.390
33620	30	33	2012	Expl Geochem	H-split	MT-Phy.fgr	0.013	54.000		0.001	57.100	0.430
33621	33	38.76	2012	Expl Geochem	H-split	MT-Phy.fgr	0.051	78.300		0.002	52.200	0.600
33622	38.76	42	2012	Expl Geochem	H-split	MT-SS.mgr	0.026	95.100		0.001	21.700	0.430
33623	42	44	2012	Expl Geochem	H-split	MT-SS	0.015	63.900		0.001	20.800	0.640
33624	44	46	2012	Expl Geochem	H-split	MT-Phy.fgr	0.095	180.200		0.002	30.700	0.590
33625	46	48	2012	Expl Geochem	H-split	MT-SS.fgr	0.021	78.700	0.140	0.001	32.700	0.680
33626	48	50	2012	Expl Geochem	H-split	MT-SS.cgr	0.025	44.900	0.005	0.001	25.900	0.590
33627	50	52	2012	Expl Geochem	H-split	MT-SS	0.029	84.400	0.005	0.001	16.800	0.510
33628	52	54	2012	Expl Geochem	H-split	MT-SS	0.050	268.700	0.020	0.001	23.000	0.560
33629	54	60	2012	Expl Geochem	H-split	MT-SS	0.450	1336.700	0.070	0.002	28.500	0.530
33630	60	64	2012	Expl Geochem	H-split	MT-SS	0.450	1148.100	0.270	0.002	23.500	0.690
33631	64	66	2012	Expl Geochem	H-split	MT-SS	0.190	4745.800	0.090	0.003	6.400	0.540
33632	66	69	2012	Expl Geochem	H-split	MT-SS	0.010	92.000	0.005	0.001	11.300	0.530
33633	69	72	2012	Expl Geochem	H-split	MT-SS	0.110	247.800	0.870	0.003	14.900	0.510
33634	72	74.63	2012	Expl Geochem	H-split	MT-SS	0.050	471.300	0.060	0.001	18.800	0.500
33635	74.63	76	2012	Expl Geochem	H-split	MT-Phy.fgr	0.640	1624.200	0.160	0.002	53.000	0.590
33636	76	78.2	2012	Expl Geochem	H-split	MT-Phy	0.770	850.300	0.460	0.002	54.100	0.790
33637	76	78.2	2012	Blank	LWS_2011	MT-Phy	0.003	34.400	0.090	0.000	0.900	0.070
33638	76	78.2	2012	DUP	Q-Split	MT-Phy	0.152	126.200	0.070	0.001	26.300	0.420
33639	78.2	80	2012	Expl Geochem	H-split	MT-SS	0.050	126.200	0.040	0.001	26.700	0.440
33640	80	82	2012	Expl Geochem	H-split	MT-SS	0.280	878.200	0.060	0.002	15.000	0.450
33641	82	84	2012	Expl Geochem	H-split	MT-SS	0.140	1288.100	0.020	0.002	13.900	0.540
33642	84	86.05	2012	Expl Geochem	H-split	MT-SS	0.760	1630.900	0.180	0.001	12.600	0.510
33643	86.05	88	2012	Expl Geochem	H-split	MT-Phy	0.540	876.000	0.150	0.003	52.700	0.530
33644	88	90	2012	Expl Geochem	H-split	MT-Phy	0.240	277.800	0.110	0.002	41.700	0.600

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Project:	NTR3A	Prospect:	Kaiser Trend	Hole ID:	3AKT-12-001	Grant No.:	YC89527
	Plunge:	Azimuth:	EOH:				
	50	225	178.36				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33645	90	93	2012	Expl Geochem	H-split	MT-Phy	1.680	5060.300	0.170	0.002	32.900	0.630
33646	93	95	2012	Expl Geochem	H-split	MT-Phy	0.670	1934.800	0.150	0.003	52.100	0.590
33647	95	97	2012	Expl Geochem	H-split	MT-Phy	0.290	812.400	0.170	0.002	38.900	0.580
33648	97	99	2012	Expl Geochem	H-split	MT-Phy	0.150	272.400	0.450	0.002	45.600	0.520
33649	99	102	2012	Expl Geochem	H-split	MT-Phy	0.070	153.500	0.290	0.003	48.000	0.590
33650	102	105	2012	Expl Geochem	H-split	MT-Phy	0.930	3967.700	0.220	0.003	33.700	0.570
33651	105	107	2012	Expl Geochem	H-split	MT-Phy	0.810	2195.100	0.210	0.003	76.500	0.690
33652	107	109	2012	Expl Geochem	H-split	MT-Phy	0.150	119.200	0.260	0.002	41.300	0.670
33653	109	111	2012	Expl Geochem	H-split	MT-Phy	0.010	73.200	0.240	0.005	43.300	0.540
33654	111	112.32	2012	Expl Geochem	H-split	MT-Phy	0.050	61.400	0.140	0.002	54.200	0.460
33655	112.32	114	2012	Expl Geochem	H-split	MT-SS	0.080	158.300	0.005	0.001	12.100	0.410
33656	114	116	2012	Expl Geochem	H-split	MT-SS	0.050	18.600	0.005	0.001	10.400	0.430
33657	116	118	2012	Expl Geochem	H-split	MT-SS	0.080	131.300	0.060	0.001	38.800	0.550
33658	118	120	2012	Expl Geochem	H-split	MT-SS	0.100	137.300	0.230	0.002	29.000	0.600
33659	120	122	2012	Expl Geochem	H-split	MT-SS	0.080	104.200	0.040	0.001	7.000	0.470
33660	122	124	2012	Expl Geochem	H-split	MT-SS	0.020	51.200	0.070	0.001	29.600	0.490
33661	124	125	2012	Expl Geochem	H-split	QZVN	0.090	135.200	0.040	0.002	12.400	0.450
33662	125	127	2012	Expl Geochem	H-split	MT-SS	0.034	53.200	0.005	0.001	11.400	0.370
33663	127	128.7	2012	Expl Geochem	H-split	MT-SS	0.016	29.800	0.005	0.001	14.400	0.490
33664	128.7	130	2012	Expl Geochem	H-split	MT-Phy	0.005	38.300	0.280	0.002	51.400	0.490
33665	130	131.65	2012	Expl Geochem	H-split	MT-Phy	0.003	38.300	0.060	0.002	53.900	0.490
33666	131.65	133	2012	Expl Geochem	H-split	QZVN	0.195	60.100	0.170	0.006	16.800	0.470
33667	133	134	2012	Expl Geochem	H-split	QZVN	0.055	100.200	0.030	0.002	20.400	0.350
33668	134	135	2012	Expl Geochem	H-split	QZVN	0.051	28.900	0.005	0.001	20.400	0.400
33669	135	137	2012	Expl Geochem	H-split	MT-SS	0.003	29.500	0.030	0.001	36.100	0.470
33670	137	139	2012	Expl Geochem	H-split	MT-SS	0.003	26.100	0.020	0.001	30.300	0.430
33671	137	139	2012	DUP	Q-Split	MT-SS	0.003	24.700	0.030	0.004	28.300	0.380
33672	137	139	2012	STND	CDN-1P5f	MT-SS	1.434	22.200	0.980	0.001	47.100	10.390
33673	139	141	2012	Expl Geochem	H-split	MT-SS	0.008	32.900	0.530	0.002	35.000	0.500
33674	141	141.81	2012	Expl Geochem	H-split	MT-SS	0.003	19.500	0.005	0.002	16.600	0.390
33675	141.81	144	2012	Expl Geochem	H-split	MT-PhY	0.010	39.100	0.050	0.002	47.200	0.530
33676	144	146	2012	Expl Geochem	H-split	MT-PhY	0.003	29.800	0.060	0.002	56.300	0.440
33677	146	148	2012	Expl Geochem	H-split	MT-Phy	0.003	32.400	0.050	0.001	47.000	0.460
33678	148	149.05	2012	Expl Geochem	H-split	MT-Phy	0.003	49.100	0.090	0.001	66.600	0.520
33679	149.05	151	2012	Expl Geochem	H-split	MT-SS	0.003	5.400	0.280	0.001	10.000	0.540
33680	151	153	2012	Expl Geochem	H-split	MT-SS	0.003	8.400	0.030	0.001	12.000	0.560
33681	153	155	2012	Expl Geochem	H-split	MT-SS	0.009	3.800	0.330	0.001	7.400	0.490

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Project:	NTR3A	Prospect:	Kaiser Trend	Hole ID:	3AKT-12-001	Grant No.:	YC89527
	Plunge:	Azimuth:	EOH:				
	50	225	178.36				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33682	155	157	2012	Expl Geochem	H-split	MT-SS	0.003	4.800	0.110	0.000	6.700	0.580
33683	157	159	2012	Expl Geochem	H-split	MT-SS	0.008	13.700	0.005	0.000	12.700	0.600
33684	159	161	2012	Expl Geochem	H-split	MT-SS	0.003	5.900	0.005	0.000	6.500	0.730
33685	161	163	2012	Expl Geochem	H-split	MT-SS	0.007	33.400	0.005	0.001	6.700	0.460
33686	163	164	2012	Expl Geochem	H-split	MT-SS	0.618	1118.000	0.120	0.000	6.000	0.480
33687	164	164.7	2012	Expl Geochem	H-split	MT-SS	0.343	2097.600	0.005	0.002	5.400	0.620
33688	164.7	165.54	2012	Expl Geochem	H-split	MT-SS	1.582	3292.900	0.005	0.001	8.000	0.610
33689	165.54	167	2012	Expl Geochem	H-split	MT-Phy	0.009	40.100	1.350	0.002	49.100	0.540
33690	167	169	2012	Expl Geochem	H-split	MT-Phy	0.012	30.500	0.500	0.002	48.600	0.510
33691	169	171	2012	Expl Geochem	H-split	MT-SS	0.020	74.800	0.510	0.002	28.800	0.550
33692	171	173	2012	Expl Geochem	H-split	MT-SS	0.058	114.600	0.005	0.001	34.900	0.550
33693	173	175	2012	Expl Geochem	H-split	MT-Phy	0.003	42.900	0.880	0.001	43.300	0.570
33694	175	177	2012	Expl Geochem	H-split	MT-phy	0.018	69.500	0.120	0.002	51.900	0.770
33695	177	178.36	2012	Expl Geochem	H-split	MT-Phy	0.100	94.400	0.160	0.003	51.100	1.400

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Green Zone East **Hole ID:** 3AGZ-12-001 **Logger:** ACD **Grant No.:** YC72446

Location				Orientation		
Easting:	**Northing:**	**Latitude:**	**Longitude:**	**Plunge:** 60	**Start Date:** 29/07/2012	
534096.5	6845806.3			**Azimuth:** 150	**Finish Date:** 31/07/2012	
Elevation:	1647 m	**Grid Name:**		**EOH:** 147.0 m	**Status:** Completed	
Datum:	**UTM Zone:**	**Grid N:**	**Grid E:**	**Core Size:** HQ	**Contractor:** Driftwood	
NAD83	9					

Objective:
This hole targeted to intersect a broad soil anomaly interpreted to occur in the hinge zone of a gently, NE-plunging F2 fold. A large cliff face of strongly veined and Fe-cb altered QPC is located to the immediate SW of the collar location. The drillhole is oriented to best intersect the fold geometry.

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
12	51.7	151.6	57119	Reflex	1
63	52.6	150.6	57488	Reflex	1
114	52.8	152.8	57618	Reflex	1
147	53.1	154.1	57593	Reflex	1

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	4.5	Casing	CASING		100.0%				co	1
4.5	24.98	fgr, dk gy-blk, well foliated, commonly-intensely fractured phyllite. Finely bedded/ laminated with MT-SLST beds (buff) +/- cy seems. Common faulting throughout (small scale, 1-2cm, over a few metres). Common QZVN (SHTV, vnlets, fault fill, all of which are sometimes crenulated). Common CSZ locally. Alteration/ Deformation in general increases downhole. LIM 3 (mainly a long foln and fractures. Intensity increases at 15m when faulting increases--coats all broken surfaces, in vns, gg, vugs, etc). Intense hem, cy, and chl alt throughout interval as well. Few MT-CO.pbl interbeds (15cm maximum, rare overall, <5%, ie. 21.00-21.15m, sharp contacts). Bottom contact is sharp between phy gg and MT-SS.cgr	MT-Phy	fgr	85.0%	n			br	3
4.5	24.98	Few vnlets up until 15.00m, where SHTV, TVA, and fault fill veins become common. All qtz veining is intensely fractured with LIM coating and selvedge. Often partially cy altered with vugs and locally crenulated. Increased abundance locally within CSZ, multiple generations xcutting one another throughout. Commonly offset by smaller scale faulting. Fault fill veins have gg selvedge. In general, most quartz veins are at steep angle to CA.	QZVN	frac	7.0%	w			br	3
4.5	24.98	vfgr, buff laminations/ itbds within phyllite. Often LIM coated or chl/ cy altered. Small scale folding/ faulting seldomly occur a long these planes.	MT-SLT	bf	5.0%	bf			br	2
24.98	56.93	In general, MT-CO.pbl is a gy, silicified, clast sup, very weakly foliated and commonly fractured unit. Gradually grades in and out of MT-SS.cgr. QZVN throughout (vnlets, SHTV, TVA, FLT fill). Common cy+LIM vnlets/ frac fill. Fspar pbl are entirely cy-smgr, often forming vugs (<1mm-0.5cm, 2-3mm avg, 27% pb loverall with subtle LIM coating), Qtz pbl are cloudy gy-milky w, ang-sub rnd, 1mm-1cm with 3-4mm avg, often have cloudy boundaries to mtx due to silicification. Open vugs sporadically throughout interval, alt intensities vary locally throughout, trace py diss within mtx. From 34.70-39.00m, subtle SCOR+cy alt on fracs--fgr diss asp? Lower contact is gradational (slight increase in cy alt) with MT-SS.pbl	MT-CO	pbl	45.0%	gy	qtz	72	co	1
24.98	56.93	Gradually grades in and out of MT-CO.pbl. MT-SS.cgr begins as highly altered (LIM, cy, hem), brown, weakly foliated with few ~1cm blk lithic fragments. Common fractures and QZVNing throughout. Trace py diss within mtx. Starting from 27-56.93m, MT-SS.cgr is a silicfied (stregth varies locally), gy, with fewer LIM+cy coated fracs with common QZVN (SHTV, TVA, FLT). Cy-smgrof fspar grains (<1mm, sub ang- sub rnd). 48.35-49.00m, very subtle vfgr dk gy vnlets, looks like it could be a product of qtz flooding (qtz+py+/-mica?--difficult to tell composition. Subtle SCOR1 alt--asp diss?). Trace py diss within mtx. Abundance of MT-SS.cgr decreases after 49.00m	MT-SS	cgr	40.0%	gy	qtz	5	co	1

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Project:	NTR3A	Prospect:	Green Zone East	Hole ID:	3AGZ-12-001	Grant No.:	YC72446
	Plunge:	Azimuth:	EOH:				
	60	150	147				

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
24.98	56.93	Multiple forms (vnlets, TVA, SHTV, FLT) and generations present. Majority are fault fill, SHTV and TVA. In general, all QZVN are fractured with cy + LIM alt, fracs xcutting with few open vugs. Mostly milky w infill with little to no mineralization (galena at 27.12m fault fill, trace asp in fracs at 29.00m, and SCOR interval from 34.70-39.00m--probably has fgr diss asp within selvedge/ fracs but difficult to tell because of alt overprint). From 28.00-30.00m, large, broken, fault fill vein, vuggy, cy-alt, rare min (asp). 47.83-47.91, intensely brecciated QZVN.	QZVN	frac	15.0%	w			co	1
56.93	75	gy, cgr, weakly foliated, fractured sandstone with multiple forms of deformation and alteration. Itbd with MT-CO.pbl and MT-PHY. Locally has subtle green hues within mtx--diss SCOR? Fractured-sheeted and at random orientations, sometimes open but always LIM coated. LIM (+/-cy) coats all broken surfaces, and diss locally within mtx giving off local brown colour. Common QZVN (SHTV, vnlets, often vuggy). Cy-smgr of fspar grains. Qtz clasts rare-gy-cloudy, subrnd 2-3mm avg. Multiple fault zones throughout interval-usually marked by phy gg at contacts. Trace py diss within mtx. Lower contact is gradational--marked by absence MT-PHY beds and increased QPC	MT-SS	cgr	80.0%	gy	qtz	6	co	1
56.93	75	Itbd within MT-SS.cgr, heavily altered (cy+LIM+/- SCOR) and friable. Most PHY units are gg and mark small CSZ fault zones. Heavily fractured and veined, with small scale folding. Max length of PHY beds is 0.5m. Rare MT-SLST lamination/ itbds, trace overall. Rare py-bxwk, and rare crenulated cy-altered qtz vnlets. In sharp contact with MT-SS.cgr	MT-Phy	fgr.gg	10.0%	n			fr	4
56.93	75	Much less abundant than previous interval, but commonly fault fill veins, SHTV, and vnlets. Milky w and usually fractured with LIM+/- cy alt (fracs, selvedge, vugs). Vuggy overall, no significant mineralization	QZVN	frac.vug	5.0%	w			co	1
56.93	75	Casually grades in and out of MT-SS.cgr, but abundance increases from 69.00-75.00m. Gy, vuggy, fractured, and common QZVN (FLT, SHTV, vnlets, cy+LIM alt assoc, vuggy). Grades from mtx sup to clast sup with strong cy-smgr of fspar (+/-LIM, 0.1-0.8cm, 3mm avg, sub rnd). Qtz pbl are sun rnd, 0.1-1.2cm, cloudy gy, 4mm avg. Rare lithic frags. Pbl subtly elongate locally, defining weak foln.	MT-CO	pbl	5.0%	gy	qtz	74	co	1
75	96	clast supported, partially silicified, weakly foliated (defined by <1mm vnlets, cy), fractured QPC. Common QZVN (SHTV, FLT, rare TVA) that are microfractured, vuggy with LIM coating. Fgr py diss throughout mtx. Cy-smgr of fspar grains +/- LIM, ang-sub rnd, 1mm-1.2cm with an average of 4mm (25% of clasts). Qtz pbl are and-sub rnd, 2mm-1cm with an average of 3-4mm (74% of clasts). Few angular lithic fragments (1%). Rare MT-SS.cgr interbeds gradually grading in and out. Lower contact sharp with MT-SS.cgr	MT-CO	pbl	87.0%	gy	qtz	74	co	0
75	96	FLT, SHTV and rare TVA throughout. Common wavy/ cloudy boundaries, often microfractured with LIM filling fracs, rare cy alt (usually on selvedge), locally vuggy, and locally mineralized (tr sul).	QZVN	frac	8.0%	w			co	1
75	96	Rare, cgr, gy, silicified, locally weakly chloritized MT-SS. Rare QZVNing, no mineralization.	MT-SS	cgr	5.0%	gy			co	1
96	102	gy, weakly foliated, fairly massive SS. Rare fractures (cy+LIM coating), common QZVN (7% overall, SHTV, vnlets), pery cy within mtx giving off a buff-gy color. First 18cm is highly silicified, then 96.18-96.67m, large fault fill QZVN with abnt fracs and vnlets with asp mineralization (1%). Last 15cm is fault gouge. Rare LIM alt, just along broken surfaces, fracs, and diss locally (looks like it is `bleeding` out of the fractures). Common streaky vnlets, defining foln (darker qtz). Rare vugs, Top contact sharp with silicified SS, bottom contact gradational into QPC	MT-SS	cgr	100.0%	gy			co	1
102	120.6	cgr (local mgr sections), gy-bf (bf due to cy content?), wkly foliated, common QZVN throughout (flt fill, SHTV, TVA). Commom diss cy within mtx and cy-smgr of fspar, giving off bf hue. LIM alt (frac, diss, vn). Small scale faulting occurring throughout interval, py and tr asp mineralization--diss in mtx. Bottom contact sharp with phyllite	MT-SS	cgr	53.0%	gy			co	1

Project:	NTR3A	Prospect:	Green Zone East	Hole ID:	3AGZ-12-001	Grant No.:	YC72446
	Plunge:	Azimuth:	EOH:				
	60	150	147				

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
102	120.6	Upper contact gradational. Gy, clast sup (local sections of mtx sup), silicified, weakly foliated, faulted and fractured QPC. Gradually grades in and out of MT-SS, common QZVN (mostly FLT fill, but also SHTV and seldom TVA). LIM (fracs, smgr of fspar) and cy-smgr of fspar. Qtz pbl are subrounded and 4-5mm avg, fspar grains are sub ang and 2-3mm avg (20% of pbl), few angular lithic frags (1%), asp+py mineralization within mtx and QZVN	MT-CO	pbl	35.0%	gy	qtz	79	co	1
102	120.6	Mostly Fault fill veins up to 1m long (117.68m-118.70m), milky w infill mineralized with asp vnlets and xlts, common cy alteration with few gg sections. Common cy+LIM coated opn vugs. QZVN as SHTV and TVA as well, much less abnt and sometimes have cloud/ drusy boundaries.	QZVN		12.0%				co	2
120.6	126.25	fgr, dk gy-blk phyllite, highly faulted (weak CSZ?) with multiple gg sections (gg sections friable). Still good recovery, however, fairly broken and incompetant. Rare QZVN (few vnlets, especially near top with rare ank alt associated) and heavily cy altered throughout. Commonly fractures with cy infill. Few MT-SS interbeds withing. Top contact is sharp and defined by fauly fill vn between MT-CO and MT-PHY, bottom contact sharp with MT-SS	MT-Phy	gg	85.0%	n			fr	3
120.6	126.25	rare interbeds with MT-PHY, always in sharp contact but sometimes with diffuse boundaries. Cgr, gy, fractured (buff cy infill), weakly foliated, and rare QZVNing. Small scale folding present locally. Last 1.25m of interval is deformed and slightly brecciated?/ BFZ (common cloudy qtz vnlets and higher cy alt, angular qtz clasts and in contact with gg on upper and lower contacts.	MT-SS	cgr	12.0%	gy			br	2
120.6	126.25	Rare vnlets throughout PHY, all on mm-scale, with slight increased abundance in last 1.25m in MT-SS with very cloude diffuse boundaries. Unmineralized, and cy alt (ank) associated within vns.	QZVN	frac	3.0%	w-gy			co	1
126.25	132.24	Clast supported, gy, weakly foliated (elongate clast and cy vnlets define this), altered MT-CO. Common faulting throughout definied by MT-PHY.gg, and less abnt QZVNing (sometimes brc). Cy-smgr of fspar grains (5mm avg, only about 15% of clasts), qtz pbl are elongate and sub rnd (3-4mm avg but up to 1.5cm, 80% of clasts), 5% angular lithic fragments (0.5cm wide avg). Common diss cy within mtx, in areas of larger clasts it looks like small cy vnlets weaving in and around pbl.2-3% py diss within mtx. Lower contact sharp between MT-CO.pbl and MT-SS.cgr	MT-CO	pbl	45.0%	gy	qtz	85	co	1
126.25	132.24	Cgr, greyish-beige (due to diss cy in mtx), weakly foliated sndst. Common veining (TVA, vnlets, diffuse patches) throughout, few phyllite bands/ vnlets? Xcutting as well. Cy-smgr of fspar grains. Common faulting defined by MT-PHY.gg. Contacts with MT_CO.pbl are gradational, unless bound by fault. Fgr diss py within mtx	MT-SS	cgr	35.0%	gy-bf			co	1
126.25	132.24	Common PHY section in interval, mostly as gg content. Rare vnlets and fragments scattered throughout SS and QPC, and rare competant PHY (129.48-129.69m, has trace siltstone interbeds to define bedding). PHY is friable overall and highly altered (cy+gph)	MT-Phy	gg	15.0%	n			co	1
126.25	132.24	Few QZVN (mostly as vnlets and diffuse patches, some TVA). Milky w infill with few small open vugs and fractures, often has cloudy boundaries with QPC or SS. 126.40-126.49m, brecciated QZVN? Very diffuse boundaries with common blk (sul+cy) vnlets xcutting. QZVN are generally unmineralized	QZVN	w	5.0%	w			co	1
132.24	147	gy, cgr, fairly massive, very weakly foliated sandstone. Common cy-smgr of fspar gr and locally diss within mtx. Few qtz pbl throughout (more common downhole, sub rnd, 2-3mm avg). Common qtz veining throughout (veinlets, SHTV, fault veins), weakly silicifed locally. Abnt small buff-blk veinlets (<1mm) that define weak foliation, infilled with cy+py. At 133.85m fractured surface completely coated in framboidal py. Fratured throughout, and although generally good revocery, core is not very competant. Common small scale faulting within interval. At 138.85m, 1.10m MT-CO.pbl bed (5% of interval overall). Overll, gets coarser grained downhole.	MT-SS	cgr	90.0%	gy	qtz	10	co	1

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
132.24	147	abnt veining throughout (majority through veinlets, but also as Flt fill and SHTV). In general, milky w qtz infill, sometimes with cloudy diffuse boundaries, sometimes with py+cy selvedge. Trace mineralization throughout (asp+py), few vugs present locally. At 132.63-132.65m, open fauly fill vein with distinct qtz xtls. QZVN are very weakly microfrac`d, otherwise generally unaltered.	QZVN	w	10.0%	w			co	1

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
4.5	15	common microfracs dominantly coated in LIM	LIM	2	frac	o
4.5	24.98	Abnt within both larger fault (CSZ) and ~1mm fault zones	cy	3	gouge	w-gy
4.5	15	microfaults and larger scale faults have intense LIM coating exisitng with cy	LIM	3	gouge	o
4.5	15	subtly diss within SLST laminations and itbd	chl	1	diss	g
15	24.98	commonly diss within SLST, slightly within PHY	cy	2	diss	bf
15	24.98	altered QZVN, usually as selvedge or microfracs	cy	2	vn	w
15	24.98	intense!	LIM	3	frac	o
15	24.98	every fol plane is LIM coated	LIM	3	fol	o-br
15	24.98	within QZVN and on open fracs/ broken core surfaces and microfracs throughout	hem	2	frac	r
15	24.98	within QZVN vugs, especially in CSZ	LIM	3	vug	o-b
15	24.98	SLST looks like it has a gr hue, difficult to tell if it is a product of another alt overprint (cy?), mostly conc around QZVN	chl	1	diss	g
15	24.98	a long foln in CSZ, often only noticeable if touched	gph	1	fol	gy
23.68	24.98	diss within cy altered SLST laminations/ beds	LIM	3	diss	o
24.57	24.98	diss a long SLST--local patches only	hem	1	diss	r
24.98	25.9	heavily diss within MT-SS.cgr interval	LIM	3	diss	o-b
24.98	56.93	fspar almost entirely altered	cy	3	smgr	w
24.98	56.93	subtly exists with cy alt	LIM	1	smgr	o
24.98	56.93	abundance of fracs varies locally, but always have LIM coating	LIM	3	frac	o
24.98	56.93	rare vugs, but almost always coated with LIM, intensely fractured section	LIM	2	vug	o
24.98	56.93	often exists with LIM on broken surfaces	cy	2	frac	bf
24.98	56.93	common throughout, strength varies subtly and locally	SIL	1.5	perv	gy
27	29.05	very very subtle, could be a result of cy+LIM giving off yellowish hue, slight gr, however.	SCOR	1	diss	gr-y
27	29.05	very subtle gr-y a long fracs/ broken surfaces--fgr asp?, too overprinted. Fgr to tell	SCOR	1	frac	gr-y
33	37.05	common on broken surfaces with LIM, intensely fractured section	hem	1.5	frac	r
34.7	39	most evident on broken core surfaces	SCOR	1	frac	gr-y
34.7	39	definitely more gr than previously seen, slightly stronger, diss within vnlets	SCOR	1	vnlets	gr-y
55.4	56.5	more intense on broken surfaces, however, coats rare fracs	hem	2	frac	r
56.85	56.93	kaolonite? Sericite? Bl-gy-gr mineral completely filling open vnlet	cy	1	vn	bl-gy
56.93	75	coats nearly all fracs and broken surfaces	LIM	2.5	frac	o
56.93	57.15	slightly greenish hue	cy	3	gouge	tan
57.15	66	coats broken surfaces	hem	2	frac	r
57.15	66	fills rare vugs	hem	2	vug	r
57.15	66	brown, local diss sections within MT-SS.cgr mtx	LIM	1	diss	b

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
59.1	59.68	gr-y. diss in CSZ	SCOR	1	diss	g
59.1	59.68	in CSZ	cy	2	gouge	gy
59.55	75	common but sporadic cy seems and altered qtz vnlets	cy	1	vnlet	w
61.15	62.73	slightly SIL MT-SS.cgr	SIL	1	perv	gy
62.98	63.22	FZ	cy	3	gouge	gy
62.98	63.22	fault contact	cy	3	gouge	gy
64.67	64.85	FZ	cy	2	gouge	gy
65.24	65.35	FZ	cy	3	gouge	gy
66.09	69.02	creamy y on broken surfaces of BFZ	cy	3	frac	o
66.09	69.02	abnt fracs coated and broken surfaces	LIM	3	frac	o
66.25	75	fspar grains and pbl	cy	1.5	smgr	w
72	73.02	fspar on QPC	cy	3	smgr	w
72	73.02	fspar in QPC	LIM	2	smgr	o
73.55	73.59	FZ	cy	2	gouge	n
75	96	sometimes exisitng with cy alt	LIM	1	smgr	og
75	96	Intense, completely replacing fspar grains	cy	3	smgr	w
75	96	Coats microfractures, larger fractures, and all broken surfaces on core	LIM	2	frac	og
75	96	coats small vugs, usually within QZVN	LIM	2	vug	og
75	96	diss within mtx of QPC. In areas of larger pbl, looks like tiny vnlets weaving around	cy	1	diss	bf
75	96	within QZVNs, small patches and in fracs	cy	1	vn	bf
75	81.57	Silicified QPC, gradually grades inti larger pbl and less silicified	SIL	1	perv	gy
80.6	84	coats rare fracs and broken surfaces with hem	hem	1	frac	r
95.9	96	at lower sharp contact of interval, deformed section	chl	1	diss	g
96	96.18	highly silicified MT-SS, leading into fault zone	SIL	3	perv	gy
96	102	coats rare fractures and small vugs	LIM	1	frac	og
96.36	96.99	Kaolonite? Very soft, almost silky feeling cy within gg and into MT-SS	cy	3	gouge	bf
97.5	102	dk r-br, only on fractured surfaces	hem	1	frac	r
97.5	102	diss out from some coated fracs, looks like the LIM is `bleeding`into SS mtx	LIM	1	diss	br
99	102	fspar grains gradually getting larger and smgr visible	cy	1	smgr	w
102	120.6	spar alt, very soft, chalky but silky feeling clay, sometimes almost completely weathered out and open	cy	2	smgr	w
102	105	yellowish-og, coats micro faults and fracs	LIM	2	frac	og
104.5	120.6	only within QZVN is there diss ser, often a long boundaries and fracs	ser	1	vn	bl
107.4	118.7	w-buff, only within QZVN but same composition as smgr of fspar	cy	1	vug	w
109.1	115.15	much less common, coats broken surfaces	LIM	1	frac	og
113.27	117.68	very weak, often creating drusy boundaries with QZVN, only within MT-CO.pbl	SIL	1	perv	gy
114.63	120.6	seldomly occuring within cy-alt fspar clasts, more of a peach color than og	LIM	1	smgr	og
117.68	118.7	abnt cy gg in BFZ	cy	3	gouge	bf
120.6	122.92	more a peach color, associated with fracs and vnlets around QZVN	ank	1	vn	t
120.6	126.25	common cy seem vnlets and patches	cy	2	frac	buff

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
121.4	121.85	in gg	gph	1	gouge	gy
121.4	121.85	intense cy alt in gouge, making core friable	cy	3	gouge	gy
123.13	123.62	intense gy alt in gouge section, very friable	cy	3	gouge	gy
123.13	123.62	rubs off easily on gg zones	gph	1	gouge	gy
124.16	126.25	very broken, friable, and affects both MT-PHY and MT-SS	cy	3	gouge	gy
124.16	126.25	silvery gy and rubs off easily, in gg zone	gph	1	gouge	gy
126.25	132.24	common in mtx of sandstone and QPC. As small vnlets throughout as well	cy	1	diss	bf
126.25	132.24	complete replacement of fspar pbl and grains in SS and QPC	cy	2	smgr	bf
126.25	134.26	commong cy cnlets running through QPC and rarely in SS	cy	1	vn	bf
127.72	128.3	MT-PHY, friable, defines fault	cy	3	gouge	gy
127.72	128.3	Difficult to tell, but feels/ looks like it rubs off easily	gph	1	gouge	gy
130.26	130.61	very friable PHY (gg) but competant, gph a long foln	gph	1	fol	gy
130.26	130.61	in and out of gg in this section within MT-CO, friable MT-PHY	cy	2	gouge	gy
134.26	147	common vnlets throughout defining weak foliation, trace amounts diss in mtx	cy	1	vn	bf
134.7	134.8	10cm gouge, strongly cy altered	cy	2	gouge	gy
135.7	135.85	small fault fill QZVN with gg on broken surfaces	cy	2	gouge	w
135.7	147	fspar grains and rare pbl cy altered	cy	1	smgr	buff
135.7	147		SIL	1	perv	gy

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
4.5	24.98	FZ	250.0%	BFZ	abnt small faults a long bedding planes (gg infill), very broken and altered
4.9	5	FZ	300.0%	gg	intense gg
7	10.74	FRAC	100.0%		sheeted fracs, xcuts small scale faults and bedding planes approximately perpendicular, consistent, ~1.7cm spacing, LIM coated
15	24.98	QZVN	300.0%	SHTV	sheeted veinlets, often crenulated and cy altered, increased abundance in CSZ
15	23.72	FZ	300.0%	CSZ	very intense deformation, local brc of QZVN, heavily alt and gg, lots of structural overprint
15	24.98	QZVN	300.0%	Fault Fill	very common, 1mm-16cm, intensely microfractured and lim coated, commonly cy altered, often crenulated
24.72	24.98	FZ	300.0%	CSZ	intense small scale faulting and overprint, by alt + fracs/ vning, gg boundaries
24.98	56.93	QZVN	200.0%	FLT	common, length varies, but usually very broken and microfractured, reoccurring throughout
24.98	56.93	QZVN	200.0%	SHTV	common, often 2cm wide at moderate angles to CA
24.98	56.93	QZVN	100.0%	TVA	occurs throughout, usually around fault veins, seldomly around SHTV
26	31.4	FZ	150.0%	BFZ	upper ctc marked by gg content, bottom ctc difficult to identify due to incompetance of core, could be until 37.40m
28	30	QZVN	300.0%	FLT	very broken, milky w, fractured, rare mineralization
33.5	37.7	FRAC	250.0%	BFZ	intensely fractured section, hem filled usually, slightly stronger downhole
43.9	49.25	QZVN	200.0%	TVA	slightly elevated abundance of TVA--often wavy but still pinch out
44.85	46.87	FRAC	200.0%		sheeted, fracs through entire interval but slightly elevated and more consistent here
47.83	47.91	QZVN	300.0%	bx	rare brc qtz vn, only one in interval, intensely silicified
56.93	57.15	FZ	200.0%	gg	intense cy (y-gr) alt, gg of MT-SS.cgr
59.1	59.68	FZ	400.0%	CSZ	Intense alt--CSZ in PHY with QZVN

From	To	Mineral	Intensity	Distribution	Comments
59.63	75	QZVN	100.0%	vnlet, FLT, TVA	rare QZVNing with exception of BFZ
62.98	63.22	FZ	300.0%	gg	PHY.gg
64.67	64.85	FZ	300.0%	gg	phy.gg, locally brc?
65.24	65.35	FZ	300.0%	gg	In CSZ, highly altered/ vned/ frac'd in PHY
66.09	69.2	QZVN	200.0%	FLT, SHTV	increased QZVNing, fractured, vuggy in BFZ
66.09	69.2	FZ	300.0%	BFZ	contacts marked by 5-10cm of cy gg, core very broken and altered within
71.14	71.58	FZ	400.0%	CSZ	heavily veined, fractured, crenulated, folded in PHY
73.55	73.59	FZ	200.0%	gg	PHY.gg
75	96	QZVN	100.0%	SHTV	Common, milky w infill, fractured, sometimes with cloudy/ drusy boundaries
75	96	QZVN	100.0%	TVA	Rare, often occurring around larger fault fill veins, thin, cloudy w infill
75	96	QZVN	100.0%	FLT	Common falt fill veins with LIM+cy selvege, often broken on boundaries, heavily fractured, vuggy, maximum 20cm
75	96	FRAC	100.0%		A lot less strong than previous intervals but local sections where fracturing is strong
96.18	96.67	QZVN	200.0%	FLT	deformed QZVN, highly fractured. Common vnlets xcutting, asp min
96.36	96.67	FZ	200.0%	gg	Large QZVN fault fill vein with gg at bottom contact
96.67	102	QZVN	100.0%	SHTV	Common, with few vnlets throughout as well
102	120.6	FRAC	100.0%		rare fracturing dispersed throughout, always with LIM coating
102	120.6	QZVN	100.0%	SHTV	Much less common, but fairly consistent throughout interval. Sometimes with cloudy/ drusy/ wavy boundaries with smaller vnlets in the vicinity (perhaps qtz flooding event?)
102	120.6	QZVN	200.0%	FLT	Common FLT fill vein, highly fractured, often with cy +/- LIM gg content or vug/ frac infill, mineralized with asp xtls and vnlets
110	120.6	QZVN	100.0%	TVA	rare, unmineralized
117.68	118.7	FZ	200.0%	BFZ	large qtz flt fill vn with intense cy (kaolonite?) alt
117.68	118.7	FZ	200.0%	gg	common gg content a long broken surfaces
120.6	126.25	QZVN	100.0%	veinlets	rare, more common until 123.31m and has ank vnlets/ fracs associated, rare overall though
120.6	126.25	FRAC	200.0%	BFZ	Subtle CSZ locally, common thin <1mm fractures all filled with cy +/- ank. Slightly more common tunil 123.31 and picks up again after 123.92m
121.4	121.85	FZ	200.0%	gg	
123.13	123.62	FZ	300.0%	gg	CSZ? Heavily overprinted by cy and deformed.
124.16	126.25	FZ	300.0%	BFZ	gg boundaries, very broken and incompetatny with QZVNing and brecciation?
126.25	132.24	QZVN	200.0%	TVA	Mostly QZVN veinlets but some TVA as well, thin, pionched out, cloudy w infill
126.4	126.49	QZVN	200.0%	bx	Brecciated QZVN with cloudy/ diffuse boundaries and common dk blk (sul+cy) vnlets running throughout. Only can tell when looking close to core (won't show up in photo) because of how diffuse boundaries are
127.72	128.3	FZ	200.0%	BFZ	Thick (~5cm) gg on boudaries, deformed
130.26	130.29	QZVN	100.0%	FLT	small fault fill vein, only one in interval
130.26	130.61	FZ	200.0%	BFZ	Common gg sections within section, subtly veined
132.26	147	QZVN	100.0%	FLT	sporadic throughout, sometimes open with qtz xtls, seldom asp+py selvedge and rare asp+py xtls within, locallt microfractured
132.26	147	QZVN	100.0%	veinlets	most common form of QZVNing, wavy and diffuse boundaires throughout
132.26	147	FRAC	100.0%		common fractures throughout, mostly cy filled, rare py infill (133.85m, fracture coated in framboidal py)
132.26	147	QZVN	100.0%	SHTV	Few, all <2cm, consistent, asp+py selvedge rare
134.7	134.8	FZ	200.0%	gg	strongly altered MT-SS, gouge, BFZ
135.7	135.85	FZ	200.0%	gg	QZVN fault fill vn with abnt gouge on brpken surfaces

From	To	Mineral	Intensity	Distribution	Comments
138.41	138.9	FZ	200.0%	BFZ	BFZ? Core is very broken with strong cy alt on surfaces (gg?), but not as strong as previously seen

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
4.5	24.98	mostly vfgr (hard to determine accurate percentage) within PHY, but some subtle bxwk within CSZ zones	py	0.01	diss
24.98	56.93	trace, vfgr, sparse, diss within MT-SS.cgr mtx (more common) and MT-CO.pbl	py	0.005	diss
27	29.05	subtle SCOR alt--diss within mtx of MT-CO.pbl and within fracs	asp	0.005	diss
27.05	27.16	cgr, diss sul patch with common gn	gn	0.005	diss
31.4	31.55	within fracs and gg--difficult to observe because of heavy cy alt	asp	0.005	frac
34.7	39	vfgr, sparse, mostly overprinted by SCOR, but can see rare diss asp in micro vnlets. Trace amounts visible	asp	0.005	diss
45.6	51.9	rare xtls within MT-CO.pbl + QZVN. Asp could exist throughout entire interval but so seldom and fgr, its difficult to spot an "end" of mineralization	asp	0.005	diss
65.37	66	could be throughout whole interval within mtx and higher abundace, just vfgr and difficult to observe	py	0.005	diss
75	96	Trace py diss within mtx of MT-CP.pbl and MT-SS.cgr	py	0.005	diss
77.96	96	sporadically in cgr patches within QZVN	py	0.01	vn
85.28	85.62	elevated diss py within MT-CO.pbl mtx, fgr-cgr euhedral xtls	py	0.05	diss
96.18	99.32	In large qtz fault fill vn, and seldomnly in SHTV	asp	0.01	vn
96.67	102	fgr euhedral py cubes within SS mtx	py	0.02	diss
98.25	99	rare asp xtls, cgr, within SS mtx. Interval could be greater, and just too fgr and diss within mtx?	asp	0.01	diss
102	120.6	diss within mtx of QPC and SS	py	0.015	diss
102	120.6	trace amount of py diss within QZVN, one 10cm vnlet at 103.70m	py	0.005	vn
102	113.25	casually diss as cgr xtls or fgr within mtx. Trace overll	asp	0.005	diss
102	120.6	common large xtls and vnlets within QZVN.	asp	0.035	vn
120.6	126.25	fgr, diss throughout MT-PHY and in mtx of MT-SS.cgr	py	0.03	diss
120.6	121.4	multiple py pockets and vns commonly associated with QZVNing	py	0.07	vn
126.25	134.26	fgr diss py within mtx od QPC, SS and PHY	py	0.02	diss
132.9	133.02	trace galena within qtz veinlet	gn	0.005	vn
134.26	147	fgr in rare selvedge a long QZVN, rare cgr xtls within QZVN	asp	0.01	vn
134.26	147	abnt mineralized vnlets <1mm, infill with cy as well, occurring in rare selvedge as well	py	0.02	vn
134.26	147	abnt fgr diss py throughout MT-SS mtx	py	0.05	diss

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
7.03	Bedding	46	So	SLST		65			SLST itbd
9.5	Faults	38		cy	Gouge	75			abnt in area, consistent
9.8	Faults	38		cy	Gouge	70			xcuts fracs and shows ~0.8cm offset
9.83	Fractures	81		cy, LIM	frac	33			earlier, offset by small scale faulting
10.01	Bedding	46	So	SLST		70			SLST has chl and cy alt
10.29	Faults	38		cy	Gouge	75			consistent faulting a long bedding
10.69	Fractures	81		LIM	frac	30			consistent, sheeted set, ~1.2cm a part, parallel
12.5	Faults	38		cy, LIM	Gouge	72			
12.87	Bedding	46	So	SLST		75			tightly bedded/ laminated locally
14.24	Faults	38		cy	Gouge	65			very friable
14.46	Veins	38		qtz, cy	Veinlets	30			cy altered, crenulated, 1-5mm
16.58	Bedding	46	So	cy, LIM	Clay	30			tight cy seams in CSZ
18.03	Fractures	81		LIM	frac	40			xcuts bedding, 1.5cm spacing, sheeted
18.61	Faults	38		cy	Clay	35			parallel veinlets?, 1-2cm spacing
19.4	Bedding	46	So	hem	Clay	65			steep, hem altered cy seam
19.41	Foliation	83	S1	LIM, cy		55			very strong, defined by very fine LIM coating
19.6	Bedding	46	So	LIM	Clay	50			much less steep, but in close proximity to previous bedding measurement
21.1	Contact					50			lower contact between lone QPC bed and PHY
21.83	Veins	38		qtz	SHTV	65			intensely microfractured with LIM coating, cy altered, consistent
22.73	Veins	38		qtz	Veinlets	50			sheeted, fractured, cy altered
23.67	Veins	38		qtz	FLT	55			ctc of fault as well, LIM and cy gg bound in heavily defined vn
24.63	Bedding	46	So	SLST		55			SLST itbd, LIM alt
26.72	Veins	38		qtz	FLT	25			milky w qtz, fractured, cy alt
27.14	Veins	38		qtz	FLT	10			~2cm, milky w qtz, fractured, cy+LIM selvedge
30.2	Foliation	83	S1		veinlets?	55			qtz flooding event? Defines foln
31.82	Veins	38		qtz	SHTV	45			milky w, vuggy, subtle LIM1
31.86	Fractures	81		LIM	frac	10			sheeted, wavy but parallel
34.83	Veins	38		qtz	FLT	30			clean, milky w, fractured, LIM+cy selvedge
36.63	Fractures	81		hem	Open	20			multiple xcutting fracs, intense, partially open
40.98	Contact					45			gradational, from MT-CO to MT-SS.cgr
41	Fractures	81		LIM, cy	Clay	65			small sheeted set, parallel, variable spacing
41.94	Veins	38		qtz	SHTV	60			milky w, fractured, unmineralized
44.35	Veins	38		qtz	TVA	40			consistent, milky w, vuggy, coming off SHTV
44.48	Fractures	81		LIM	Open	15			sheeted
44.5	Veins	38		qtz	SHTV	35	55		common fracs, TVA coming off
46.48	Fractures	81		LIM	Open	15			sheeted
46.8	Veins	38		qtz	TVA	25			cloudy gy qtz, qtz flooding?
47.48	Veins	38		qtz	TVA	35	293		wavy, cloudy w qtz infill, abnt, locally frac'd
48.07	Veins	38		qtz	FLT	40			wavy boundaries with cy+ SCOR selvedge (asp?)

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
48.59	Veins	38		qtz	Veinlets	65			drusy qtz? Result of qtz flooding, defines foln
50.17	Veins	38		qtz	SHTV	50	308		fractured, vuggy, milky w infill
54.19	Fractures	81		LIM	Open	10	350		sheeted tightly, open, continuous
55	Veins	38		qtz	SHTV	50	268		milky w, qtz flooding product? Can define qtz pbl from QPC within vein, although drusy
58.29	Veins	38		qtz	SHTV	50			Thin, 0.5cm SHTV, subtle cy selvedge, fractured, minor py
59.56	Veins	38		qtz	FLT	55			MT-PHY, in contact with CSZ, strongly alt, heavily frac'd, vuggy
59.61	Veins	38		cy	Veinlets	60			MT-PHY, wavy, width varies, cy+LIM altered
59.63	Veins	38		cy	TVA	15			MT-PHY, small, ~1mm stringly TVA coming off alt vnlets, LIM selvedge
59.87	Contact	38		cy		63			lower, sharp contact between MT-PHY.CSZ and MT-SS.cgr
59.91	Bedding	46	So			45			SLST itbd
60.93	Veins	38		cy	Clay	45			xcuts bedding, <1mm, cy+LIM coating
61.05	Bedding	46	So			50			SLST itbd
61.51	Veins	38		qtz	FLT	35			Fractured, small vugs, creamy-milky w, no mineralization, LIM selvedge
62.86	Veins	38		qtz	FLT	40			fractured, vuggy, milky w, LIM+cy selvedge
62.98	Contact					50			sharpt ctc between MT-SS.cgr+ MT-PHY.CSZ
63.82	Veins	38		qtz	SHTV	50			small, sheeted veinlet set, wavy, milky w
64.3	Veins	38		qtz	TVA	30			large TVA set, 1.5cm max width, vuggy, LIM+cy selvedge
64.93	Veins	38		qtz	FLT	60			~1cm flt fill vein with gg on both sides
65.6	Bedding	46	So			60			SLST itbd
65.92	Fractures	81		LIM	Open	10			continuous in MT-SS.cgr
70.05	Veins	38		qtz	SHTV	35			large open vugs with LIM coating
70.94	Bedding	46	So	LIM		65			SLST itbd, LIM-alt
71.16	Contact					50			upper sharp contact between MT-SS.cgr and CSZ in PHY
73.18	Contact					65			lower sharp ctc of PHY.gg and MT-SS.cgr
73.77	Fractures	81		LIM		15			partially open fracture, splits in 2
74.04	Bedding	46							
75.16	Veins	38		qtz	FLT	45	83		fractured, milky w 14cm wide QZVN
79.42	Veins	38		qtz	FLT	30	52		very thin LIM selvedge, 2cm wide, fractured, broken on one side
79.97	Fractures	81		LIM	Open	15	325		sheeted set, 2cm spacing
80.87	Veins	38		qtz	FLT	20	320		heavily fractured and vuggy. LIM and cy selvedge, milky w infill, 14cm long, no mineralization
82.26	Veins	38		qtz	SHTV	50	52		consistent sheeted set, milky w infill, slightly offset by microfault (2.5cm) <5 degrees to CA
85.1	Veins	38		qtz	SHTV	55	280		milky w infill, subtly microfrac'd
87.4	Faults	38		hem	Open	5			continuous fault, offsets SHTV, open fracs and vugs along surface, QZVN infill
89.8	Veins	38		qtz	SHTV	45	263		microfrac`d and slightly clay altered
94.06	Veins	38		qtz	FLT	35	88		cloudy w, wavy boundaries, subtle cy selvedge
97.37	Veins	38		qtz	FLT	55			small, 1cm wide flt vein with common open vugs that tend to rim the boundaries of the QZVN and have LIM coating
97.85	Veins	38		qtz	SHTV	20			consistent throughout interval, width ranges from 3mm-2cm
98.75	Veins	38		qtz	FLT	5			first generation flt vn, 2cm wide, open vugs, with weak cy selvedge. Xcut by 6cm fault vein at 35 degrees to CA and much more fractured

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
101.03	Veins	38		qtz	SHTV	45			few circular open vugs
102.09	Veins	38		qtz	FLT	65	12		thin, 1cm, fractured fault fill vn that xcuts and offset a cloudy SHTV (25 degrees to CA)
102.97	Fractures	81		LIM	FLT	3			almost parallel with CA, with common fracs coming off of fault, continuous for ~1m
103.74	Contact					50	82		lower contact of fault fill qtz vn
106.01	Veins	38		qtz	SHTV	50	270		consistent set, gradually get less steep downhole\
107.03	Veins	38		qtz	SHTV	35	247		same SHTV set, consistent, milky w infill, 1cm
110.41	Veins	38		qtz	TVA	70			cloudy w infill with drusy boundaries
111.94	Veins	8		qtz	SHTV	30	54		xcuts smaller vnlets and TVA, milky w infill
112.24	Veins	38		asp	Veinlets	43	28		mineralized vnlets within QZVN, wavy
116.66	Veins	38		qtz	SHTV	45	282		2 SHTV sets in vicinity, both milky w infill, unmineralized
117.19	Veins	38		qtz	SHTV	85	172		second SHTV set, milky w infill
117.68	Contact			qtz	BFZ	75	160		upper contact of fault fill QZVN, BFZ with abnt gg
120.6	Contact			qtz		35	24		Lower contact of interval between MT-CO.pbl and Phyllite, marked by qtz vn
120.95	Veins	38		qtz	Veinlets	60	225		diffuse, wavy boundaries with good py mineralization
121	Veins	38		cy	Veinlets	45	322		>1mm veinlets that are parallel, infilled with ank
121.4	Contact			cy	Gouge	70			sharp contact between competatn phy and fault (gg)
123.07	Bedding	46	So	cy	Clay	80			cy seem defining bedding
126.25	Contact			cy	Gouge	70			sharp contact between friable MT-PHY and MT-CO.pbl
126.94	Faults	38		cy	Gouge	80			small scale fault (fracture, essentially) but gg infilled
127.86	Faults	38		cy	Gouge	45			Contact between MT-SS and PHY gg, top of BFZ
129.51	Bedding	46	So	slst		50			small slst interbed within competant phy
130.27	Fractures	81		cy	frac				small sheeted fracture set within PHY, 0.5cm spacing
132.48	Veins	38		qtz	FLT	70			5cm fault fill vein with cy+py selvedge, few small vnlets within vn that are ~3mm offset by xcutting smaller fault
132.61	Veins	38		qtz	Open	75			open fault fill qzvn with distinct qtz xtls 1-2mm wide and little cy alt
134.95	Veins	38		qtz	Veinlets	20	290		0.5cm wide milky w qtz vnlet with asp selvedge
135.65	Faults	38		cy	BFZ	28			fault surface is "polished" with slickenlines. No oriented core, can't tell which direction it was.
135.96	Veins	38		qtz	FLT	45			within BFZ, milky w, microfractured, asp+py+cy selvedge
138.7	Veins	38		qtz	SHTV	55			0.8cm SHTV, microfractured, consistent
139.08	Veins	38		qtz	FLT	58			4.5cm, microfractured, few open vugs, diss py wthin and asp selvedge
140.02	Veins	38		qtz	Veinlets	70			cloudy w veinlet, wave, diffuse boundaries
141.27	Foliation	83	S1	cy	Veinlets	48			cy+py vnlets running a long foln
145.96	Veins	38		qtz	FLT	55			1cm fault vein with upper contact showing weak gg content

Assay Samples

Project:	NTR3A	Prospect:	Green Zone East	Hole ID:	3AGZ-12-001	Grant No.:	YC72446
	Plunge:	Azimuth:	EOH:				
	60	150	147				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33726	4.5	6	2012	Expl Geochem	H-split	MT-Phy.frac.fgr	0.003	18.500	0.005	0.003	69.000	0.470
33727	6	8	2012	Expl Geochem	H-split	MT-Phy.frac.fgr	0.003	20.000	0.005	0.003	61.500	0.350
33728	8	10	2012	Expl Geochem	H-split	MT-PhY.frac.fgr	0.003	23.900	0.040	0.003	62.700	0.490
33729	10	12	2012	Expl Geochem	H-split	MT-PhY.frac.fgr	0.003	15.100	0.005	0.003	55.800	0.420
33730	12	14	2012	Expl Geochem	H-split	MT-PhY.frac.fgr	0.003	16.900	0.005	0.003	61.000	0.450
33731	14	16	2012	Expl Geochem	H-split	MT-PhY.fgr.frac	0.008	26.200	0.005	0.002	54.900	0.460
33732	16	18	2012	Expl Geochem	H-split	MT-Phy.gg.fgr	0.003	39.400	0.005	0.003	83.000	0.620
33733	18	20	2012	Expl Geochem	H-split	MT-Phy.CSZ.fgr	0.035	236.900	0.350	0.006	40.900	0.520
33734	20	22	2012	Expl Geochem	H-split	MT-Phy.CSZ.fgr	0.045	181.200	0.330	0.006	34.000	0.610
33735	22	24	2012	Expl Geochem	H-split	MT-Phy.vn.fgr	0.003	177.500	0.005	0.002	72.500	0.520
33736	24	26	2012	Expl Geochem	H-split	MT-SS.cgr	0.003	189.900	0.005	0.002	58.300	0.560
33737	26	28	2012	Expl Geochem	H-split	MT-SS.cgr.vn	0.059	223.200	0.005	0.003	6.900	0.620
33738	28	30	2012	Expl Geochem	H-split	QZVN.frac	0.014	66.900	0.005	0.002	4.900	0.650
33739	30	32	2012	Expl Geochem	H-split	MT-CO.pbl	0.008	83.000	0.005	0.003	6.600	0.510
33740	32	34	2012	Expl Geochem	H-split	MT-SS.cgr	0.039	1088.900	0.240	0.008	6.200	0.570
33741	34	36	2012	Expl Geochem	H-split	MT-SS.cgr	0.116	1266.500	0.750	0.010	8.000	0.730
33742	36	38	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.058	5329.700	0.430	0.005	6.000	0.860
33743	38	40	2012	Expl Geochem	H-split	MT-CO.pbl.frac	0.030	312.000	0.020	0.002	6.400	0.700
33746	40	42	2012	STND	CDN-GS-8B	MT-SS.cgr	7.727	1056.200	0.560	0.001	35.200	10.710
33745	40	42	2012	DUP	Q-Split	MT-SS.cgr	0.026	150.200	0.005	0.003	6.200	0.650
33744	40	42	2012	Expl Geochem	H-split	MT-SS.cgr	0.100	144.800	0.005	0.003	5.400	0.430
33747	42	44	2012	Expl Geochem	H-split	MT-SS.cgr.frac.vn	0.223	423.300	0.100	0.006	5.900	0.680
33748	44	46	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.039	745.500	0.080	0.004	6.800	0.520
33749	46	48	2012	Expl Geochem	H-split	MT-CO.pbl	0.019	284.300	0.030	0.001	7.800	0.500
33750	48	50	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.034	1192.900	0.060	0.002	14.700	0.510
33751	50	52	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.010	591.400	0.120	0.006	8.500	0.530
33752	52	54	2012	Expl Geochem	H-split	MT-CO.pbl	0.005	291.200	0.020	0.001	4.700	0.420
33753	54	56	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.006	187.900	0.040	0.004	6.500	0.540
33754	56	58	2012	Expl Geochem	H-split	MT-SS.cgr	0.011	219.300	0.160	0.007	6.600	0.610
33755	58	60	2012	Expl Geochem	H-split	MT-SS.cgr.CSZ	0.056	610.700	1.910	0.173	647.200	0.770
33756	60	62	2012	Expl Geochem	H-split	MT-SS.cgr	0.003	58.800	0.005	0.003	54.600	0.420
33757	62	64	2012	Expl Geochem	H-split	MT-SS.cgr	0.014	112.700	0.350	0.011	31.000	0.580
33758	64	66	2012	Expl Geochem	H-split	MT-SS.cgr	0.017	254.400	0.190	0.003	65.400	0.550
33759	66	68	2012	Expl Geochem	H-split	MT-SS.cgr.BFZ	0.022	82.700	0.240	0.005	10.000	0.520
33760	68	70	2012	Expl Geochem	H-split	MT-CO.pbl	0.038	168.100	0.300	0.008	9.300	0.490
33761	70	72	2012	Expl Geochem	H-split	MT-CO.pbl	0.084	234.200	0.160	0.003	37.800	1.060
33762	72	74	2012	Expl Geochem	H-split	MT-SS.cgr	0.006	91.700	0.080	0.001	28.400	0.540

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Green Zone East	Hole ID:	3AGZ-12-001	Grant No.:	YC72446
	Plunge:	Azimuth:	EOH:				
	60	150	147				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33763	74	76	2012	Expl Geochem	H-split	MT-CO.pbl	0.008	58.000	0.060	0.001	10.700	0.430
33764	76	78	2012	Expl Geochem	H-split	MT-CO.pbl	0.013	38.200	0.050	0.001	13.400	0.420
33765	78	80	2012	Expl Geochem	H-split	MT-CO.pbl	0.022	98.900	0.040	0.001	10.900	0.460
33766	80	82	2012	Expl Geochem	H-split	MT-CO.pbl	0.028	49.300	0.020	0.001	9.700	0.460
33767	82	84	2012	Expl Geochem	H-split	MT-CO.pbl	0.032	104.400	0.160	0.001	14.800	0.380
33768	84	86	2012	Expl Geochem	H-split	MT-CO.pbl	0.012	28.400	0.005	0.001	14.000	0.510
33769	86	88	2012	Expl Geochem	H-split	MT-CO.pbl	0.006	49.100	0.005	0.001	14.000	0.470
33770	88	90	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	33.200	0.005	0.000	11.400	0.460
33771	90	92	2012	Expl Geochem	H-split	MT-CO.pbl	0.007	814.800	0.005	0.000	14.000	0.390
33772	92	94	2012	Expl Geochem	H-split	MT-CO.pbl	0.005	780.000	0.005	0.001	14.800	0.470
33773	94	96	2012	Expl Geochem	H-split	MT-CO.pbl	0.058	982.100	0.005	0.000	13.700	0.450
33774	96	98	2012	Expl Geochem	H-split	MT-SS.cgr.vn	0.080	928.500	0.005	0.000	17.700	0.470
33775	98	100	2012	Expl Geochem	H-split	MT-SS.cgr	0.060	1646.800	0.005	0.000	15.300	0.390
33776	100	102	2012	Expl Geochem	H-split	MT-SS.cgr	0.050	710.300	0.010	0.000	9.900	0.490
33777	102	104	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	233.800	0.005	0.001	10.800	0.480
33778	104	106	2012	Expl Geochem	H-split	MT-CO.pbl	0.010	114.300	0.005	0.000	11.500	0.520
33779	106	107.25	2012	Expl Geochem	H-split	MT-SS.cgr	0.050	394.400	0.005	0.000	15.600	0.370
33780	107.25	108	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.190	10000.000	0.005	0.000	10.900	0.700
33781	108	109.62	2012	Expl Geochem	H-split	MT-SS.cgr	0.050	2372.000	0.005	0.000	21.800	0.470
33782	108	109.62	2012	DUP	Q-Split	MT-SS.cgr	0.008	1834.400	0.260	0.000	18.200	0.530
33783	108	109.62	2012	Blank	LWS_2011	MT-SS.cgr	0.003	1989.300	0.005	0.000	19.600	0.500
33784	109.62	110.6	2012	Expl Geochem	H-split	MT-SS.cgr.vn	0.200	10000.000	0.005	0.000	7.600	0.840
33785	110.6	111.6	2012	Expl Geochem	H-split	MT-SS.cgr.vn	0.110	5084.700	0.005	0.003	8.700	0.670
33786	111.6	112.6	2012	Expl Geochem	H-split	MT-SS.cgr.vn	0.100	4398.800	0.005	0.004	16.600	0.490
33787	112.6	114	2012	Expl Geochem	H-split	MT-CO.pbl.vn	0.050	1593.800	0.005	0.001	10.100	0.530
33788	114	116	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	128.800	0.005	0.005	12.600	0.440
33789	116	117.68	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	182.500	0.030	0.001	7.300	0.510
33790	117.68	118.7	2012	Expl Geochem	H-split	QZVN.frac.FZ	0.080	10000.000	0.005	0.001	6.200	0.640
33791	118.7	120.6	2012	Expl Geochem	H-split	MT-CO.pbl	0.030	895.300	0.030	0.002	8.900	0.570
33792	120.6	122.5	2012	Expl Geochem	H-split	MT-Phy.gg	0.090	282.800	0.005	0.002	62.800	0.410
33793	122.5	124.5	2012	Expl Geochem	H-split	MT-Phy.gg	0.010	63.300	0.005	0.003	58.500	0.370
33794	124.5	126.25	2012	Expl Geochem	H-split	MT-Phy.gg	0.050	89.400	0.005	0.001	27.400	0.490
33795	126.25	128	2012	Expl Geochem	H-split	MT-CO.pbl	0.350	1125.700	0.005	0.003	16.100	0.500
33796	128	130	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	76.900	0.005	0.002	29.300	0.440
33797	130	132	2012	Expl Geochem	H-split	MT-CO.pbl	0.050	139.400	0.005	0.002	34.500	0.600
33798	132	134	2012	Expl Geochem	H-split	MT-SS.cgr	0.060	162.400	0.005	0.002	8.500	0.410
33799	134	136	2012	Expl Geochem	H-split	MT-SS.cgr	0.185	202.000	0.760	0.005	14.900	0.480

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Project:	NTR3A	Prospect:	Green Zone East	Hole ID:	3AGZ-12-001	Grant No.:	YC72446
	Plunge:	Azimuth:	EOH:				
	60	150	147				

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33800	136	138	2012	Expl Geochem	H-split	MT-SS.cgr	0.007	25.900	0.005	0.003	9.600	0.420
33830	138	140	2012	Expl Geochem	H-split	MT-SS.cgr	0.008	27.500	0.005	0.002	10.000	0.450
33831	140	142	2012	Expl Geochem	H-split	MT-SS.cgr	0.022	66.100	0.005	0.008	8.800	0.360
33832	142	144	2012	Expl Geochem	H-split	MT-SS.cgr	0.083	92.600	0.005	0.003	10.200	0.410
33833	144	145.5	2012	Expl Geochem	H-split	MT-SS.cgr	0.188	134.500	0.005	0.001	10.000	0.390
33834	145.5	147	2012	Expl Geochem	H-split	MT-SS.cgr	0.006	27.700	0.005	0.001	9.700	0.440

Diamond Drill Log and Sample Summary

Project: NTR3A **Prospect:** Schultz **Hole ID:** 3ASC-12-001 **Logger:** JAW **Grant No.:** YC72445

Location				Orientation		
Easting:	**Northing:**	**Latitude:**	**Longitude:**	**Plunge:** 50	**Start Date:** 31/07/2012	
533842.8	6845356.5			**Azimuth:** 140	**Finish Date:** 01/08/2012	
Elevation:	1645 m	**Grid Name:** NA		**EOH:** 57.0 m	**Status:** Completed	
Datum:	**UTM Zone:**	**Grid N:**	**Grid E:**	**Core Size:** HQ	**Contractor:** Driftwood	
NAD83	9					

Objective:
To test the down dip potential of surface mineralisation (15 g/t) at the Schulz Showing. Target zone is 25 m to 35 m.

Depth (m)	Plunge	Azimuth (true N)	Mag Suss	Tool	Quality
15	49.8	136.5	57875	Reflex	1
54	50.2	138.2	57435	Reflex	1

Lithology

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
0	9		CASING		100.0%				co	1
9	17.34	fgr, well foliated blk phy with thin grey silt stone interbedding (5%). Silt stone is too fine grain to determine composition. Foliation is at angle to bedding (70). From 9m to 15m shows poor recovery due to drilling. OR LIM alt along frac. Trace quartz veining that is chlorite and iron carbonte altered. Lower contact is sharp and planar with QPC unit below.	MT-Phy	fol	99.0%	n			co	1
9	17.34	Trace quartz veining (FltVn) that is chlorite and iron carbonte altered.	QZVN		1.0%	w			co	1
17.34	28.74	Grey silicified clast supported QPC. Slightly limonitic in veins and fracstures throughout unit. Qtz vein displaying SHTV habit throughout. Disseminated and qtz vein py mineralization; 2% from 20.60-27.23m and 5% from 27.23-28.48 Upper contact is sharp and planer where lower contact is sharp and qtz vein bound. Unit is underlain but a siltstone unit. Composition: 95% qtz, 4% cy-SMGR altered fspar, 1% lithics	MT-CO	pbl	99.0%	gy	qtz	95	co	1
17.34	28.74	SHTV habit throughout. Vuggy and limonitic along borders of veins.	QZVN		1.0%	w			co	1
28.74	40.4	Grey silicified competent cgr sandstone. Cy-smgr and calcite alteration of fspars. SHTV through with STWK qzvn interval at ~28.5m Upper contact is sharp planar and bounded with a qtz vein. Lower contact is sharp and planar with a underlying phyllite unit	MT-SS	cgr	87.0%	gy			co	1
28.74	40.4	Grey silicified clast supported QPC. Limonitic and strong clay alteration of fspars Upper and lower contact are gradational Composition: 94% qtz, 5% cy-SMGR altered fspar, 1% lithics	MT-CO	pbl	10.0%	gy	qtz	94	co	2
28.74	40.4	SHTV habit throughout. STWK from 27.25-28.50m. 2% Py Mineralization in hosting QPC. Vuggy and often limonitic along borders of veins.	QZVN		2.0%	w			co	1

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

From:	To:	Description:	Rock Code:	Text:	Prop:	Colour:	Clasts:	Clast %	CI	SI
28.74	40.4	fgr, well foliated blk phy interbeds with sharp contact that displays a rigorous reaction to HCl acid - carbonate filled? Whispy qtz laminations. No mineralization	MT-Phy	fgr	1.0%				co	1
40.4	57	fgr, well foliated blk phy with thin grey silt stone interbedding (1%) and limestone clasts. Phylitte bedding is often diffucult to find in areas where limestone is found. Limstone has a deformed habit. End of a tributary sequence Silt stone is too fine grain to determine composition. Foliation is at angle to bedding (70). Carbonate veing in lower portion of unit	MT-Phy	fgr	98.0%	n			co	1
40.4	57	Black, cgr, limestone unit that displays a deformed habit - ductile/liquid-like. End of a tributary sequence?	MT-LM	cgr	1.0%	n			co	3
40.4	57	very thin qtz vnlets that are slighly limonitic. Sometimes whispy x-cutting laminations	QZVN		1.0%	w			co	1

Alteration

From:	To:	Comments:	Mineral	Intensity	Distribution	Colour:
9	17.34	often borders qtz veins	LIM	1	frac/vn	or
9	17.34	selective clay alteration of fpars clasts	cy	2	smgr	br
9	17.34		SIL	1	perv	gy
15.1	15.2	occuring in qtz vein	chl	1	perv	gr
17.34	40.4	often borders qtz veins	LIM	2	frac/vug/vn	or
20.3	20.6	interval of sandstone unit is pervasivly chlr altered and shows a strong drk green colour.	chl	2	perv	gr
35.72	38.8	completely clay altered	cy	4	gouge	br
40.4	57	occurs on fractures	LIM	1	frac	or
45.05	45.2	completely clay altered	cy	4	gouge	gy
49.8	49.85	completely clay altered	cy	4	gouge	gy
50.8	57	Thin (1mm), whispy, x-cutting carbonate veins.	cbt	1	vn	br

Interval Structure

From	To	Mineral	Intensity	Distribution	Comments
9	11	FZ	200.0%	BFZ	poor recovery runs that show lots of broken core and tr gouge material coating rock.
17.34	30.48	QZVN	100.0%	SHTV	microfractured and often vuggy. Can be limonitic along borders. Shows clay infill of vugs
30.48	31.48	QZVN	200.0%	stwk	microfractured, with limonitic vugs. Showing 5% disseminated py mineralization of qtz
31.48	38.72	QZVN	100.0%	SHTV	microfractured and often vuggy. Can be limonitic along borders. Shows clay infill of vugs
38.72	38.8	FZ	400.0%	gg	completely clay altered
38.8	40.4	QZVN	100.0%	SHTV	microfractured and often vuggy. Can be limonitic along borders. Shows clay infill of vugs
41.2	42	FZ	100.0%	BFZ	broken core still showing good recovery.
45.05	45.2	FZ	400.0%	gg	completely clay altered
49.8	49.85	FZ	400.0%	gg	completely clay altered
54.65	55.15	FZ	200.0%	BFZ	broken friable core that shows poor recovery

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Mineralisation

From:	To:	Comments	Mineral	Percent	Distribution
20.68	30.23	fgr to mgr, euhedral	py	0.005	vn
20.68	30.23	Occuring in portions of the QPC that shows no chlorite alteration. Often very fine grain, predominatly euhedral	py	0.01	diss
30.23	31.48	associated with stwk veining and TVA'a. mgr to cgr and ehudral.	py	0.05	vn
30.23	31.48	associated with stwk veining and TVA'a, predominatly fine grain and euhedral	py	0.03	diss
30.23	31.48	very fine grain, anhedral	asp	0.0005	diss
31.48	40.4	occuring mostly in cgr sandstone. Usually fgr and euhedral	py	0.0005	diss
31.48	40.4	Associtated with SHTV. Mgr to cgr and predominatly ehudral	py	0.01	vn

Point Structure

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
14.42	Bedding		So			40	324		
15.2	Veins			qtz	fltvn	70			CHL altered, contains carbonite
17.34	Contact					68			between phy and qpc, sharp and plainer
20.7	Faults			cy		60			
21.6	Veins			qtz	SHTV	66			pyrite minerialization ,1cm thick, 5cm spacing, vuggy, micro-fractured, Cy and PY infill vugs
22	Fractures			cy		20			
22	Veins			qtz	SHTV	40			.5 cm thick, Lim alt @ borders of vein, vuggy and micro fractured, tr py minerialization
22.5	Veins			qtz	SHTV	20			3 cm thick, intense py minerialization (up to 10% locally), vuggy and micro fractured
25.63	Veins			qtz	SHTV	60			.25 cm thick, 5-35 cm spacing, vuggy, cy infill
27.39	Veins			qtz	SHTV	12	338		.25 cm think, 12 cm spacing, tr py minerialization vuggy, cy filled
28.04	Veins			qtz	SHTV	55			6 cm think, py mimeralized (1%), Lim micro-fractured, parially vuggy and cy infill
30.16	Veins			qtz	SHTV	50	218		1-2 cm thick, 5-20 cm spacing, partially vuggy, tr py minerialization, micro-fractured
30.58	Faults			cy		75	105		shows displacment
31.48	Fractures			cy		15			
31.48	Foliation		S1			45	300		
31.78	Veins			qtz	SHTV	55	230		.25 cm thick, 8-15 cm spacing, mirco-fractured, bull qtz
32.4	Veins			qtz	SHTV	30	330		4.5 cm thick, 3-5 cm spacing, vuggy, cy filled, 2% py mineralization
32.85	Veins			qtz	SHTV	30	180		.25 cm thick, 2cm spacing, micro-fractured
35.6	Veins			qtz	SHTV	55			2.5 cm thick, 5 cm spacing, vuggy, micro-fractured, salvage py mineralization 1%
38.8	Contact			cbt		50	60		contact of py-interbed
39.45	Veins			qtz	SHTV	30			.25 cm thick, tr salvage py mineralization
39.95	Veins			qtz	SHTV	35			.25 cm thick, tr salvage py mineralization
40.3	Faults			cy		20			shows displacment
40.4	Contact					70			between sandstone unit and phy
43.8	Bedding		S0			55			
47.9	Veins			cbt	Veinlets	80	100		
49.15	Bedding		So			40			
50.93	Veins			qtz	Fltvn	45	50		.25 cm thick, slightly CHL ALT, partially vuggy, micro-fractured

Depth	Structure	struct_code	Generation	Coating	Habit	CA	Beta_Angle	Gamma	Comments
50.95	Bedding		So			25	40		
52.9	Veins			qtz	SHTV	65			mirco-fractured, bull qtz
56.95	Bedding		So			60			

Assay Samples

Sample No.	From:	To:	Year	Sample Type	Sample Technique	Lithology	Au (g/t)	As (ppm)	Ag (g/t)	Pb (%)	Cu (ppm)	Mo (ppm)
33801	9	12	2012	Expl Geochem	H-split	MT-PhY	0.003	10.700	0.005	0.001	54.500	0.600
33802	12	14	2012	Expl Geochem	H-split	MT-Phy	0.003	17.600	0.005	0.001	55.700	0.860
33803	14	16	2012	Expl Geochem	H-split	MT-Phy	0.003	22.900	0.005	0.003	61.900	0.450
33804	16	17.34	2012	Expl Geochem	H-split	MT-Phy	0.003	3.000	0.005	0.004	57.700	0.390
33805	17.34	19	2012	Expl Geochem	H-split	MT-CO.pbl	0.003	16.500	0.005	0.003	26.700	0.670
33806	19	21	2012	Expl Geochem	H-split	MT-SS	0.009	37.500	0.005	0.000	11.900	0.450
33807	21	22	2012	Expl Geochem	H-split	MT-CO.pbl	0.076	753.600	0.005	0.000	9.800	0.520
33813	22	23	2012	Expl Geochem	H-split	MT-CO.pbl	0.057	471.100	0.230	0.001	6.900	0.500
33808	23	25	2012	Expl Geochem	H-split	MT-CO.pbl	0.016	54.900	0.005	0.000	12.500	0.490
33809	25	27	2012	Expl Geochem	H-split	MT-CO.pbl	0.008	22.300	0.005	0.000	10.900	0.610
33810	27	28.74	2012	Expl Geochem	H-split	MT-CO.pbl	0.012	74.600	0.005	0.000	10.900	0.490
33811	28.74	30	2012	Expl Geochem	H-split	MT-SS	0.007	28.500	0.005	0.000	12.800	0.500
33812	30	31	2012	Expl Geochem	H-split	MT-CO.pbl	0.025	61.500	0.005	0.000	11.400	0.510
33814	31	32	2012	Expl Geochem	H-split	MT-SS	0.009	40.400	0.005	0.001	8.900	0.410
33815	32	33	2012	Expl Geochem	H-split	MT-SS	0.015	47.600	0.005	0.001	8.300	0.480
33816	33	35	2012	Expl Geochem	H-split	MT-SS	0.006	36.200	0.005	0.001	14.100	0.390
33817	35	37	2012	Expl Geochem	H-split	MT-SS	0.059	81.500	0.005	0.001	23.300	0.560
33818	37	39	2012	Expl Geochem	H-split	MT-SS	0.008	44.000	0.005	0.001	24.900	0.470
33819	39	40.4	2012	Expl Geochem	H-split	MT-SS	0.014	308.500	0.005	0.001	13.900	0.460
33820	40.4	42	2012	Expl Geochem	H-split	MT-Phy	0.024	105.000	0.005	0.001	57.100	0.570
33821	42	44	2012	Expl Geochem	H-split	MT-PhY	0.021	89.600	0.070	0.001	58.300	0.830
33822	44	46	2012	Expl Geochem	H-split	MT-PhY	0.060	107.700	0.010	0.005	58.000	0.710
33823	46	48	2012	Expl Geochem	H-split	MT-phy	0.102	92.000	0.005	0.003	50.200	0.490
33824	46	48	2012	Blank	LWS_2011		0.003	0.500	0.010	0.000	1.700	0.060
33825	46	48	2012	DUP	Q-Split		0.127	116.700	0.005	0.004	56.300	0.620
33826	48	50	2012	Expl Geochem	H-split	MT-phy	0.003	109.700	0.005	0.003	62.900	0.550
33827	50	52	2012	Expl Geochem	H-split	MT-phy	0.003	170.600	0.005	0.002	58.500	0.390
33828	52	54	2012	Expl Geochem	H-split	MT-Phy	0.003	86.800	0.340	0.003	31.600	0.500
33829	54	57	2012	Expl Geochem	H-split	MT-phy	0.017	85.000	0.005	0.003	39.200	0.390

Abbreviations: Rock Code = lithology; Text = textural modifier; Prop = % proportion of interval; Clasts = sedimentary clasts or igneous phenocrysts, or metamorphic porphyroblasts; CI = competency index (co-competent; fr-friable; br-broken; lc-lost core); SI = strain index (0 - 4: undeformed to high strain)

Appendix E

Certificates of Analysis

Inspectorate, Vancouver, BC

Certificate of Analysis

12-360-04867-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
EMail: cbuchanan@northern-tiger.com

Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-004**
Client Reference: **Core-12-004**
Description: **3 ACE**

Date Received: 07/19/2012
Date Completed: 07/25/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	32	Core	

Location	Quantity	Method	Description
Vancouver, BC	32	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	32	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	32	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____
Sofia Devota – Operations Manager

Vol 2-144

INSPECTORATE
A Bureau Veritas Group Company

#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04867-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-145

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
31801	Core	1.661	0.5	0.63	3.75	0.2	2.0	0.43	9034.3	30	0.12	2.81	<0.01	0.06	1.7
31802	Core	0.334	0.2	0.54	1.21	0.1	0.6	0.16	8841.3	10	0.12	1.52	<0.01	0.05	1.4
31803	Core	0.330	0.8	0.96	1.92	0.1	0.9	0.21	7492.5	15	0.14	2.28	<0.01	<0.02	1.3
31804	Core	0.212	0.3	0.38	5.01	0.3	2.5	0.77	5146.8	44	0.10	0.49	<0.01	<0.02	1.2
31805	Core	0.416	<0.1	0.27	16.16	1.3	7.8	1.99	1608.7	109	0.56	0.42	0.03	0.04	1.8
31806	Core	0.474	<0.1	0.25	3.22	0.3	1.5	0.69	6006.5	39	0.31	0.61	0.02	<0.02	2.1
31807	Core	<0.005	0.3	0.34	1.17	1.5	0.8	0.06	15.1	21	<0.05	0.05	>10	0.08	1.2
31808	Core	0.801	<0.1	0.41	7.05	0.3	3.7	0.86	2585.0	46	0.33	0.21	0.02	0.03	1.2
31809	Core	0.215	<0.1	0.17	12.44	0.5	6.2	1.37	1326.2	69	0.37	0.22	0.03	0.02	1.7
31810	Core	0.036	<0.1	0.30	19.48	0.8	10.6	2.09	562.2	91	0.54	0.56	0.04	0.45	2.9
31811	Core	<0.005	<0.1	0.26	16.36	0.8	8.4	1.54	18.6	62	0.47	0.09	0.03	0.09	2.0
31812	Core	0.011	<0.1	0.37	15.22	0.6	9.0	1.55	334.2	58	0.40	0.14	0.03	0.10	2.4
31813	Core	0.010	<0.1	0.15	16.22	1.0	7.6	1.55	59.6	40	0.37	0.08	0.04	0.21	3.1
31814	Core	0.016	<0.1	0.32	33.63	1.7	17.9	5.41	71.0	283	1.58	0.29	0.07	0.09	10.2
31815	Core	0.022	<0.1	0.27	43.39	2.6	23.8	9.01	50.7	583	2.25	0.28	0.65	0.17	15.1
31816	Core	0.188	0.3	0.42	46.82	3.6	27.4	>10	727.1	843	4.27	0.83	0.10	0.17	14.2
31817	Core	0.193	<0.1	0.27	45.45	2.1	24.2	6.98	40.8	407	2.15	0.25	0.11	0.04	10.8
31818	Core	0.391	<0.1	0.17	53.10	3.5	31.3	>10	54.1	732	3.58	0.46	0.11	0.06	15.6
31819	Core	<0.005	<0.1	0.32	26.05	1.0	13.0	2.04	34.2	71	0.47	0.09	0.04	<0.02	5.8
31820	Core	0.027	<0.1	0.29	16.69	0.7	8.4	1.50	233.5	57	0.64	0.18	0.02	0.03	4.0
31821	Core	0.005	<0.1	0.45	73.80	4.1	42.9	>10	51.2	899	3.55	0.51	0.10	0.19	16.6
31822	Core	0.005	<0.1	0.32	56.25	2.9	32.3	>10	35.8	698	2.51	0.33	0.08	0.07	14.9
31823	Core	0.014	<0.1	0.52	20.89	0.6	10.0	2.08	15.1	70	0.33	0.07	0.21	0.03	5.0
31824	Core	0.012	0.5	0.40	23.66	1.0	10.3	2.31	318.1	79	0.50	3.35	0.04	0.77	3.7
31825	Core	0.022	<0.1	0.07	21.94	0.9	10.6	2.02	306.7	90	0.52	0.12	0.08	0.11	3.2
31826	Core	0.009	0.1	0.28	36.60	3.0	19.6	9.41	41.2	521	2.27	1.20	0.10	0.25	13.9
31827	Core	0.016	<0.1	0.45	14.96	0.8	7.8	2.82	28.0	95	0.49	0.19	0.07	0.07	7.3
31828	Core	<0.005	<0.1	0.31	80.00	3.8	45.5	>10	36.6	686	2.61	0.48	0.18	0.07	18.7
31829	Core	<0.005	<0.1	0.23	70.60	2.7	39.8	>10	34.4	583	2.06	0.33	0.13	0.11	14.0
31830	Core	1.171	0.1	0.47	19.63	1.6	10.1	6.71	3.7	508	0.47	0.19	2.50	0.18	12.2
31831	Core	<0.005	<0.1	0.21	54.99	2.5	31.4	8.19	33.6	429	1.81	0.34	0.15	0.15	14.8
31832	Core	0.232	<0.1	0.32	70.64	3.3	38.3	>10	80.1	844	3.74	0.42	0.13	0.17	18.3

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04867-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
31801	Core	234	0.60	8.2	1.22	1.45	1.94	0.02	0.15	2.7	0.01	78	0.69	0.01	0.5
31802	Core	189	0.36	5.5	0.97	0.75	1.63	0.01	0.07	1.0	<0.01	22	0.64	<0.01	0.3
31803	Core	209	0.41	6.1	0.89	0.93	1.64	0.01	0.10	1.8	<0.01	24	0.66	<0.01	0.3
31804	Core	192	0.74	5.0	0.73	2.62	1.36	0.02	0.34	1.5	0.03	26	0.63	0.01	0.5
31805	Core	146	1.49	8.4	0.48	6.15	1.20	0.02	0.85	4.0	0.07	29	0.53	0.03	1.1
31806	Core	209	0.70	4.6	0.79	2.31	1.46	0.01	0.32	1.8	0.03	27	0.71	0.01	0.4
31807	Core	8	0.50	7.8	0.45	0.46	<0.05	0.01	0.03	1.0	>10	206	0.11	<0.01	1.4
31808	Core	264	0.79	9.9	0.56	3.27	1.48	0.02	0.36	2.8	0.04	34	0.76	0.01	0.5
31809	Core	221	1.08	10.5	0.58	4.14	1.18	0.02	0.55	3.3	0.06	72	0.57	0.02	0.6
31810	Core	201	1.29	12.6	0.87	5.55	0.99	0.02	0.65	8.8	0.08	171	0.49	0.03	0.7
31811	Core	199	0.93	18.6	0.83	3.88	0.88	0.01	0.42	6.8	0.07	147	0.48	0.02	0.8
31812	Core	175	0.99	26.4	1.16	4.41	0.96	0.02	0.44	14.0	0.08	187	0.62	0.02	0.6
31813	Core	200	0.87	10.5	1.88	3.78	0.77	0.01	0.32	32.4	0.11	280	0.45	0.02	0.8
31814	Core	165	3.34	47.3	4.20	13.89	0.94	0.05	1.84	18.8	0.35	491	0.47	0.07	2.3
31815	Core	163	4.10	40.8	4.22	22.50	1.12	0.06	3.02	27.8	0.67	432	0.53	0.58	5.0
31816	Core	191	8.35	48.2	3.76	41.93	1.35	0.08	5.21	29.8	0.58	248	0.61	0.19	5.4
31817	Core	188	3.97	30.6	3.31	19.67	1.17	0.04	2.56	37.2	0.41	303	0.56	0.11	4.7
31818	Core	186	7.44	80.3	4.16	31.94	1.22	0.07	4.94	45.0	0.70	539	0.58	0.22	5.0
31819	Core	165	1.13	25.4	2.28	5.16	0.81	0.01	0.47	22.1	0.20	228	0.48	0.03	1.2
31820	Core	251	0.92	20.7	1.72	4.25	1.10	0.01	0.43	20.4	0.13	174	0.57	0.02	0.7
31821	Core	160	7.37	58.7	3.62	39.35	1.30	0.08	5.81	30.8	0.54	298	0.57	0.22	6.6
31822	Core	203	5.78	52.7	2.94	30.34	1.03	0.06	4.14	27.2	0.36	378	0.60	0.18	5.0
31823	Core	238	0.97	16.8	2.18	5.38	0.68	0.01	0.49	9.4	0.14	464	0.50	0.02	0.9
31824	Core	162	1.15	19.2	1.92	5.57	0.73	0.04	0.60	8.3	0.13	308	0.47	0.02	1.1
31825	Core	206	1.28	14.5	1.92	5.88	0.94	0.02	0.62	6.2	0.15	292	0.48	0.02	1.0
31826	Core	166	5.36	51.9	3.77	24.81	1.15	0.06	3.46	30.2	0.40	390	0.57	0.14	3.8
31827	Core	163	1.18	27.0	2.88	6.86	0.85	0.02	0.66	14.3	0.22	422	0.41	0.03	1.0
31828	Core	133	6.88	48.2	4.13	33.54	1.23	0.07	4.28	34.5	0.45	391	0.51	0.16	6.5
31829	Core	157	5.02	45.7	3.91	27.38	1.08	0.05	3.72	27.7	0.45	386	0.55	0.14	4.7
31830	Core	59	1.21	52.6	4.25	15.77	1.02	0.06	0.91	15.2	1.37	737	9.83	2.24	4.7
31831	Core	147	4.11	43.8	4.45	23.32	1.07	0.05	2.65	30.9	0.44	467	0.57	0.10	4.3
31832	Core	162	7.45	81.7	4.06	38.18	1.12	0.07	5.18	27.9	0.52	352	0.62	0.20	3.6

INSPECTORATE
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Certificate of Analysis

12-360-04867-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-147

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
31801	Core	5.8	30	18.2	0.004	6.19	0.6	0.348	1.9	7.1	0.7	6.3	0.09	<0.05	1.1
31802	Core	5.0	<10	9.6	0.006	5.09	0.1	0.391	6.5	3.4	0.7	1.9	<0.05	<0.05	0.3
31803	Core	5.2	20	5.7	0.004	4.29	0.2	0.299	7.0	4.3	0.7	4.0	<0.05	<0.05	0.5
31804	Core	4.9	13	3.7	0.005	3.44	0.4	0.236	6.9	14.8	2.3	5.3	<0.05	<0.05	1.2
31805	Core	5.6	122	12.5	0.005	1.21	1.0	0.101	4.2	38.9	4.9	18.0	0.17	<0.05	5.1
31806	Core	6.2	93	3.0	0.003	3.23	0.5	0.268	4.9	14.4	3.6	10.5	<0.05	<0.05	1.4
31807	Core	2.3	170	7.3	0.005	0.41	0.3	0.011	3.1	1.4	<0.2	46.4	0.96	<0.05	0.8
31808	Core	6.6	38	8.9	0.005	1.78	0.4	0.123	3.2	16.8	1.9	12.4	0.05	<0.05	1.8
31809	Core	6.2	65	6.9	0.003	1.15	0.7	0.128	2.9	24.0	3.4	16.5	0.07	<0.05	3.2
31810	Core	7.1	127	23.5	0.003	0.74	1.2	0.218	3.3	28.5	1.6	17.1	0.09	<0.05	5.3
31811	Core	6.1	83	6.8	0.004	0.34	1.1	0.056	2.2	18.6	0.8	13.3	0.08	<0.05	4.7
31812	Core	6.8	103	10.0	0.003	0.55	1.0	0.173	3.1	20.5	0.9	14.6	0.06	<0.05	3.9
31813	Core	8.5	117	15.2	0.007	0.36	1.0	0.148	3.8	14.2	0.5	16.9	0.09	<0.05	4.3
31814	Core	22.9	181	12.4	0.003	0.77	7.0	0.299	<1.0	82.0	1.6	45.6	0.27	<0.05	9.6
31815	Core	36.3	283	22.7	0.005	1.03	13.1	0.290	2.0	127.7	2.2	102.2	0.58	<0.05	13.4
31816	Core	40.1	272	183.6	0.002	2.04	17.5	0.363	2.0	237.6	3.8	66.6	0.78	<0.05	18.4
31817	Core	30.9	267	15.8	0.003	0.93	9.7	0.101	<1.0	118.5	1.9	37.6	0.41	<0.05	12.0
31818	Core	38.9	285	16.0	0.003	1.30	16.8	0.220	<1.0	213.1	3.1	61.6	0.65	<0.05	19.1
31819	Core	11.4	87	13.3	0.004	0.34	1.9	0.022	2.7	21.3	1.1	35.1	0.11	<0.05	6.7
31820	Core	11.8	73	51.7	0.002	0.51	1.3	0.061	2.5	19.9	0.9	32.2	0.06	<0.05	4.0
31821	Core	43.7	269	21.5	0.004	2.43	19.3	0.055	2.3	241.7	3.7	68.8	0.80	<0.05	22.5
31822	Core	37.9	217	16.5	0.004	1.93	15.1	0.056	1.5	183.6	3.0	61.6	0.54	<0.05	16.8
31823	Core	12.5	861	7.4	0.006	0.33	1.8	0.035	1.6	20.2	1.2	44.3	0.09	<0.05	4.0
31824	Core	9.3	135	63.1	<0.002	0.78	1.7	0.256	2.4	26.1	1.3	20.4	0.11	<0.05	5.7
31825	Core	10.0	302	5.8	0.003	0.69	2.1	0.124	1.3	27.9	0.7	17.0	0.09	<0.05	5.4
31826	Core	41.6	203	16.0	0.003	2.36	11.4	0.512	<1.0	148.2	4.4	47.8	0.40	<0.05	15.1
31827	Core	20.4	140	18.3	0.002	0.59	2.5	0.201	<1.0	28.8	0.9	16.0	0.09	<0.05	4.9
31828	Core	50.4	539	24.1	0.004	1.76	17.1	0.082	1.2	190.0	3.1	58.3	0.67	0.05	21.5
31829	Core	39.1	266	10.4	0.005	1.29	13.1	0.054	1.1	161.9	2.5	46.7	0.52	<0.05	17.0
31830	Core	38.4	608	10.2	0.004	2.47	15.7	0.037	2.8	25.3	2.3	264.4	0.34	0.05	2.1
31831	Core	44.4	259	14.0	0.002	1.11	9.9	0.062	<1.0	123.7	2.0	39.8	0.46	<0.05	14.4
31832	Core	50.8	337	39.7	0.003	1.89	17.5	0.212	1.9	228.7	3.2	64.9	0.55	<0.05	18.3

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Certificate of Analysis

12-360-04867-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-148

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
31801	Core	0.007	0.09	0.2	4	1.2	0.6	7	4.2
31802	Core	<0.005	0.04	<0.1	2	0.8	0.2	4	2.4
31803	Core	<0.005	0.05	<0.1	2	3.2	0.3	2	3.4
31804	Core	0.008	0.11	0.2	5	1.3	0.6	<2	11.1
31805	Core	0.019	0.21	1.0	12	1.2	1.9	5	21.3
31806	Core	0.008	0.09	0.3	5	0.6	2.1	3	7.6
31807	Core	<0.005	0.03	0.6	329	0.6	0.8	20	2.0
31808	Core	0.010	0.09	0.3	7	0.7	0.8	5	10.2
31809	Core	0.015	0.13	0.6	9	0.8	3.2	6	14.3
31810	Core	0.021	0.17	0.9	13	0.9	2.6	36	28.5
31811	Core	0.021	0.12	0.7	11	0.7	3.5	15	25.3
31812	Core	0.018	0.12	0.7	11	1.0	2.1	13	21.5
31813	Core	0.022	0.09	0.7	11	1.1	1.9	36	23.8
31814	Core	0.067	0.46	2.2	49	2.9	4.9	52	52.9
31815	Core	0.147	0.73	3.1	102	2.6	8.8	130	79.6
31816	Core	0.154	1.31	5.0	119	4.2	8.4	127	99.2
31817	Core	0.095	0.71	2.9	64	1.5	5.7	63	68.8
31818	Core	0.139	1.28	5.3	116	2.1	8.2	91	105.4
31819	Core	0.029	0.14	1.0	18	1.2	3.7	32	31.9
31820	Core	0.019	0.12	0.6	13	0.8	2.0	32	23.7
31821	Core	0.182	1.34	5.9	132	3.6	9.9	135	125.5
31822	Core	0.124	1.03	4.3	93	3.3	8.0	80	96.6
31823	Core	0.020	0.15	0.9	15	1.2	5.7	32	18.8
31824	Core	0.029	0.17	1.2	17	1.4	2.8	81	34.8
31825	Core	0.026	0.17	1.3	18	1.3	3.2	25	29.8
31826	Core	0.107	0.89	4.0	83	2.3	6.9	100	96.5
31827	Core	0.025	0.20	1.1	21	0.6	2.6	58	27.9
31828	Core	0.159	1.11	5.5	107	2.2	12.1	111	115.8
31829	Core	0.127	0.97	4.3	87	1.7	7.3	91	89.2
31830	Core	0.335	0.23	0.9	159	1.0	16.5	62	52.7
31831	Core	0.108	0.70	3.5	71	1.5	6.5	110	84.2
31832	Core	0.128	1.23	5.2	117	2.0	7.5	126	100.7

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Certificate of Analysis

12-360-04867-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-149

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
31801	Core			0.63	3.75	0.2	2.0	0.43	9034.3	30	0.12	2.81	<0.01	0.06	1.7
31801 Dup				0.58	3.81	0.2	2.0	0.42	8797.2	31	0.10	2.82	<0.01	0.05	1.8
QCV1207-01326-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101											
STD-CDN-ME-6 result				>100											
31819	Core			0.32	26.05	1.0	13.0	2.04	34.2	71	0.47	0.09	0.04	<0.02	5.8
31819 Dup				0.30	26.07	1.1	12.5	2.13	36.1	70	0.49	0.11	0.05	<0.02	5.1
QCV1207-01326-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
QCV1207-01326-0006-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101											
STD-CDN-ME-6 result				>100											
31801	Core		0.5												
31801 Dup			0.5												
QCV1207-01327-0002-BLK			<0.1												
STD-Oreas501 expected			0.7												
STD-Oreas501 result			0.8												
31819	Core		<0.1												
31819 Dup			<0.1												
QCV1207-01327-0005-BLK			<0.1												
QCV1207-01327-0006-BLK			<0.1												
STD-DS-1 expected			0.5												
STD-DS-1 result			0.4												
31801	Core	1.661													
31801 Dup		1.690													
QCV1207-01328-0002-BLK		<0.005													
31827	Core	0.016													
31827 Dup		0.012													
STD-Oxi96 expected		1.802													
STD-Oxi96 result		1.689													
QCV1207-01328-0005-BLK		<0.005													
STD-OxC102 expected		0.207													
STD-OxC102 result		0.199													

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-150

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
31801	Core	234	0.60	8.2	1.22	1.45	1.94	0.02	0.15	2.7	0.01	78	0.69	0.01	0.5
31801 Dup		210	0.61	9.2	1.18	1.53	2.01	0.02	0.14	2.7	0.01	76	0.70	0.01	0.5
QCV1207-01326-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				5872.9											
31819	Core	165	1.13	25.4	2.28	5.16	0.81	0.01	0.47	22.1	0.20	228	0.48	0.03	1.2
31819 Dup		185	1.11	25.8	2.37	5.36	0.83	0.01	0.48	22.4	0.21	234	0.48	0.03	1.0
QCV1207-01326-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
QCV1207-01326-0006-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				6437.0											

INSPECTORATE
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12-360-04867-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
31801	Core	5.8	30	18.2	0.004	6.19	0.6	0.348	1.9	7.1	0.7	6.3	0.09	<0.05	1.1
31801 Dup		5.4	33	17.2	0.003	6.35	0.7	0.346	3.8	7.4	0.8	6.4	<0.05	<0.05	1.1
QCV1207-01326-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200											
STD-CDN-ME-6 result				>10000								174.1			
31819	Core	11.4	87	13.3	0.004	0.34	1.9	0.022	2.7	21.3	1.1	35.1	0.11	<0.05	6.7
31819 Dup		11.5	90	13.7	0.003	0.33	2.0	0.025	2.7	21.7	1.1	37.0	0.09	<0.05	6.8
QCV1207-01326-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
QCV1207-01326-0006-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200.0											
STD-CDN-ME-6 result				9999.6								181.6			

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INSPECTORATE
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Certificate of Analysis

12-360-04867-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
31801	Core	0.007	0.09	0.2	4	1.2	0.6	7	4.2
31801 Dup		0.007	0.07	0.2	4	1.3	0.6	6	4.7
QCV1207-01326-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5301	
31819	Core	0.029	0.14	1.0	18	1.2	3.7	32	31.9
31819 Dup		0.024	0.15	1.0	19	1.1	4.0	34	32.8
QCV1207-01326-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
QCV1207-01326-0006-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5575	

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Certificate of Analysis

12-360-04867-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
EMail: cbuchanan@northern-tiger.com

Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-004**
Client Reference: **Core-12-004**
Description: **3 ACE**

Date Received: 08/17/2012
Date Completed: 08/24/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	10	Core	

Location	Quantity	Method	Description
Vancouver, BC	10	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota -- Operations Manager

Vol 2-153

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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04867-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
31801	Core	3.14	1.45	1.44	33.56	459.73	25.70	485.43
31802	Core	0.68	0.37	0.44	7.32	482.19	19.85	502.04
31803	Core	0.49	0.28	0.27	2.22	443.50	54.70	498.20
31804	Core	<0.01	<0.01	<0.01	<0.01	492.18	11.44	503.62
31805	Core	<0.01	<0.01	<0.01	0.02	476.98	22.58	499.56
31806	Core	<0.01	<0.01	0.02	<0.01	487.38	12.77	500.14
31807	Core	<0.01	<0.01	<0.01	<0.01	442.21	54.19	496.40
31808	Core	0.44	0.31	0.28	1.81	458.49	49.07	507.56
31809	Core	2.08	0.14	0.12	19.34	448.18	50.58	498.76
31810	Core	0.04	0.04	0.04	0.01	463.38	31.34	494.72

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Northern Tiger Resources
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Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1208-01252-0001-BLK		<0.01						29.37
QCV1208-01252-0002-BLK		<0.01						29.37

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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-001**
Client Reference: **Core-12-001**
Description: **3 ACE**

Date Received: 07/23/2012
Date Completed: 07/30/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	43	Core	

Location	Quantity	Method	Description
Vancouver, BC	43	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	43	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	43	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____
Sofia Devota – Operations Manager

Vol 2-156

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Certificate of Analysis

12-360-04870-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33101	Core	<0.005	0.2	0.36	102.04	5.6	55.8	>10	8.4	585	3.75	0.43	0.16	0.10	18.3
33102	Core	<0.005	0.2	0.37	87.14	3.6	47.5	>10	11.7	590	3.86	0.48	0.27	0.07	21.8
33103	Core	<0.005	0.1	0.33	92.11	3.2	50.9	>10	7.7	559	3.60	0.39	0.34	0.06	17.6
33104	Core	<0.005	0.1	0.38	107.39	3.1	58.0	>10	8.9	580	4.28	0.46	0.53	0.08	21.4
33105	Core	0.014	0.1	0.38	110.65	3.3	60.1	>10	8.4	644	4.24	0.36	0.31	0.05	19.2
33106	Core	0.012	0.1	0.33	79.83	2.5	46.2	>10	8.8	644	3.57	0.31	0.52	0.06	14.2
33107	Core	<0.005	0.1	0.28	96.67	3.1	53.9	>10	12.2	733	3.91	0.47	0.21	<0.02	17.8
33108	Core	<0.005	0.2	0.30	94.01	3.1	52.0	>10	7.8	698	3.92	0.47	0.32	0.12	18.4
33109	Core	0.007	0.1	0.23	85.89	3.1	49.4	>10	8.9	720	3.63	0.45	0.30	0.04	18.4
33110	Core	<0.005	0.1	0.29	93.45	3.0	52.0	>10	13.7	686	4.10	0.46	0.18	0.06	18.5
33111	Core	<0.005	0.2	0.31	60.65	2.7	33.4	>10	16.3	688	3.53	0.44	0.83	0.06	20.2
33112	Core	<0.005	0.2	0.29	78.90	2.9	43.8	>10	18.1	668	3.06	0.45	0.17	0.04	22.2
33113	Core	<0.005	0.1	0.39	80.85	3.0	44.4	>10	12.1	720	3.28	0.51	0.15	0.08	21.0
33114	Core	0.005	0.2	0.37	94.17	3.2	48.8	>10	8.2	704	3.41	0.46	0.17	0.05	18.2
33115	Core	<0.005	0.2	0.31	80.59	3.1	46.2	>10	9.1	760	3.83	0.41	0.25	0.04	18.6
33116	Core	<0.005	0.2	0.32	62.64	3.4	32.1	>10	8.5	658	3.70	0.42	0.15	0.06	19.2
33117	Core	<0.005	0.2	0.69	93.93	3.4	51.2	>10	9.2	818	3.48	0.44	0.25	0.08	19.2
33118	Core	<0.005	0.2	0.31	70.39	3.2	37.4	>10	8.1	731	3.27	0.39	0.60	0.07	18.5
33119	Core	<0.005	0.2	0.29	59.62	3.5	32.4	>10	10.3	753	3.99	0.48	0.18	0.12	18.0
33120	Core	<0.005	0.2	0.27	53.79	3.0	27.7	8.69	11.3	457	2.03	0.23	0.58	0.02	13.6
33121	Core	<0.005	0.2	0.36	60.54	3.4	32.9	>10	18.1	738	3.05	0.43	0.20	0.14	19.5
33122	Core	<0.005	0.1	0.43	78.56	3.8	42.7	>10	28.1	968	4.28	0.44	0.19	0.03	20.5
33123	Core	0.078	<0.1	0.19	24.29	1.5	11.7	2.65	88.1	93	0.84	0.07	0.30	0.08	4.6
33124	Core	0.023	1.1	1.13	14.54	1.2	7.4	2.68	218.3	128	0.69	1.85	0.15	1.12	4.1
33125	Core	0.064	2.1	2.26	15.25	1.0	7.6	1.91	2167.2	97	0.36	4.10	0.16	1.31	4.7
33126	Core	0.024	0.2	0.25	11.16	0.6	7.2	1.61	3737.7	70	0.44	0.32	0.15	0.11	4.5
33127	Core	0.013	0.1	0.23	24.82	2.4	11.3	8.44	73.0	530	2.06	0.26	0.37	0.17	12.0
33128	Core	<0.005	0.1	0.16	34.90	2.1	16.7	5.84	25.8	313	1.35	0.20	0.72	0.04	10.5
33129	Core	0.021	0.1	0.10	25.02	1.3	11.6	2.49	20.1	95	0.49	0.08	0.67	0.03	3.5
33130	Core	<0.005	<0.1	0.09	26.27	1.6	13.0	3.55	7.4	171	0.95	0.07	0.64	0.02	5.3
33131	Core	0.008	0.1	0.12	40.73	2.4	18.5	4.72	10.1	236	0.89	0.10	0.51	0.03	7.3
33132	Core	0.012	0.1	0.25	28.44	2.2	13.8	3.64	21.9	154	0.88	0.07	0.61	0.06	5.2
33133	Core	0.269	0.2	0.12	24.30	1.6	11.8	2.54	14.5	97	0.32	0.05	1.24	0.03	3.8
33134	Core	<0.005	0.1	0.12	34.00	2.5	17.3	2.94	12.1	124	0.74	0.07	0.34	0.03	4.3
33135	Core	0.047	0.2	0.36	22.18	2.0	10.2	2.62	133.4	118	0.46	0.15	0.31	0.12	5.3
33136	Core	0.097	0.1	0.25	23.10	1.9	10.9	3.00	99.1	159	0.61	0.19	0.07	0.40	4.9
33137	Core	7.636	0.4	0.71	25.67	2.0	15.3	3.24	968.0	164	0.62	0.64	>10	4.00	6.7
33138	Core	0.024	0.3	0.32	17.44	1.6	8.1	3.28	96.0	153	0.78	0.39	0.09	1.05	4.9
33139	Core	0.213	0.4	0.17	32.58	1.8	15.9	2.64	70.8	117	0.67	0.11	0.17	0.29	4.6
33140	Core	0.009	<0.1	0.19	33.05	2.0	15.4	3.07	36.0	147	0.63	0.10	0.22	0.16	4.7

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#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33141	Core	0.355	0.2	0.29	26.31	1.4	12.0	2.81	216.1	103	0.68	0.12	0.18	0.74	5.0
33142	Core	0.140	<0.1	0.12	26.86	1.4	12.9	3.06	49.3	138	0.68	0.10	0.70	<0.02	5.0
33143	Core	0.657	0.1	0.20	35.16	1.7	17.7	3.11	184.6	138	0.96	0.11	0.56	0.05	4.9

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33101	Core	114	8.37	60.2	5.12	31.52	1.61	0.08	2.97	117.9	1.29	488	0.49	0.94	11.0
33102	Core	121	8.20	64.5	5.44	33.49	1.63	0.08	2.88	123.6	1.31	622	0.63	0.93	10.7
33103	Core	109	8.15	48.0	5.05	31.45	1.43	0.07	2.87	116.9	1.20	609	0.38	0.95	8.2
33104	Core	112	8.58	59.8	5.01	33.90	1.61	0.08	2.93	122.0	1.20	645	0.41	1.01	8.1
33105	Core	115	8.92	55.3	4.89	34.57	1.52	0.07	3.08	116.7	1.19	534	0.32	0.93	9.6
33106	Core	183	8.08	46.7	4.51	31.33	1.35	0.07	3.12	101.8	1.13	608	0.30	0.76	8.0
33107	Core	126	9.09	54.7	5.20	34.62	1.58	0.08	3.57	113.0	1.28	509	0.25	0.81	7.5
33108	Core	152	8.58	59.0	5.09	34.08	1.46	0.08	3.31	115.0	1.17	773	0.41	0.75	6.9
33109	Core	124	8.57	55.5	5.13	34.54	1.49	0.09	3.17	124.0	1.25	710	0.41	0.73	5.0
33110	Core	124	8.31	55.7	5.19	32.71	1.62	0.08	3.18	123.2	1.25	578	0.35	0.75	7.8
33111	Core	163	9.16	56.8	4.97	32.89	1.44	0.08	3.15	120.8	1.19	636	0.38	0.79	7.7
33112	Core	111	8.80	58.3	5.53	33.21	1.25	0.08	3.29	119.0	1.30	491	0.23	0.80	7.3
33113	Core	117	9.00	63.1	5.28	33.55	1.41	0.08	3.33	119.5	1.23	485	0.39	0.75	8.8
33114	Core	111	8.79	57.5	5.14	32.93	1.38	0.08	3.40	109.4	1.21	563	0.40	0.72	8.6
33115	Core	120	9.85	59.1	5.31	33.91	1.33	0.08	3.53	112.0	1.26	646	0.43	0.66	7.7
33116	Core	111	8.39	58.2	5.08	32.98	1.35	0.08	3.65	96.5	1.20	480	0.42	0.63	6.4
33117	Core	115	9.23	56.3	5.21	33.33	1.39	0.08	3.75	97.6	1.26	505	0.36	0.59	7.8
33118	Core	138	8.30	51.7	4.99	30.39	1.30	0.07	3.49	89.1	1.24	940	0.37	0.46	6.8
33119	Core	124	9.01	66.8	5.18	32.44	1.19	0.08	3.95	88.1	1.22	429	0.31	0.50	7.5
33120	Core	194	5.69	60.7	4.06	22.26	1.14	0.05	2.44	57.4	0.94	465	0.44	0.34	4.3
33121	Core	194	8.83	98.7	5.16	35.73	1.59	0.08	4.30	74.2	1.20	376	0.64	0.41	6.9
33122	Core	184	10.77	65.3	4.87	39.42	1.45	0.10	4.94	61.6	1.09	352	0.90	0.43	7.8
33123	Core	217	1.83	21.3	1.97	6.76	1.08	0.01	0.58	37.7	0.35	334	0.46	0.20	0.9
33124	Core	218	1.99	20.2	1.40	6.88	1.08	0.03	0.96	22.7	0.18	342	0.46	0.07	1.2
33125	Core	200	1.59	25.2	2.22	5.23	1.32	0.04	0.84	7.6	0.13	399	0.38	0.03	0.8
33126	Core	189	1.66	10.2	0.83	4.22	1.35	0.02	0.61	14.3	0.10	118	0.35	0.04	0.8
33127	Core	200	7.62	35.8	2.84	23.65	1.11	0.05	2.94	82.6	0.54	442	0.48	0.31	3.9
33128	Core	181	5.59	35.5	2.54	15.82	0.92	0.03	1.76	42.4	0.59	360	0.42	0.44	2.1
33129	Core	198	2.11	9.9	1.09	6.16	0.83	0.01	0.56	14.7	0.26	308	0.35	0.62	0.6
33130	Core	198	2.58	18.4	1.48	9.78	0.88	0.02	0.94	16.8	0.34	274	0.43	0.45	1.2
33131	Core	164	3.36	22.8	1.88	13.07	0.85	0.02	1.29	21.1	0.47	233	0.31	0.54	2.3
33132	Core	174	2.38	15.7	1.60	9.36	0.99	0.02	0.98	15.6	0.38	286	0.31	0.50	1.8
33133	Core	180	1.54	15.8	1.14	6.33	0.71	0.01	0.63	11.2	0.26	359	0.34	0.53	1.0
33134	Core	224	2.01	14.0	1.34	7.75	0.73	0.02	0.78	13.6	0.29	217	0.47	0.44	1.3
33135	Core	246	1.70	14.2	1.14	6.85	0.90	0.01	0.72	10.3	0.15	419	0.57	0.04	1.1
33136	Core	199	2.10	14.4	1.25	8.70	0.99	0.02	0.91	11.1	0.11	277	0.46	0.05	1.5
33137	Core	101	6.94	37.3	1.29	7.76	0.24	0.06	1.42	9.0	0.74	284	11.06	<0.01	7.1
33138	Core	186	2.16	17.4	1.36	8.07	1.12	0.03	1.01	10.6	0.13	316	0.39	0.05	0.8
33139	Core	204	1.66	13.7	1.25	6.99	1.08	0.01	0.72	7.6	0.18	320	0.51	0.16	1.1
33140	Core	202	2.05	13.8	1.27	8.09	0.96	0.02	0.91	9.5	0.22	327	0.45	0.08	1.3

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12-360-04870-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33141	Core	190	1.46	18.4	1.44	6.60	1.11	0.02	0.71	9.6	0.10	513	0.75	0.03	0.8
33142	Core	253	2.02	13.4	1.22	7.83	1.04	0.02	0.81	19.5	0.25	432	0.54	0.35	1.0
33143	Core	221	2.16	13.3	1.37	8.26	0.83	0.01	0.82	34.9	0.27	382	0.52	0.12	1.1

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33101	Core	46.5	502	25.1	0.004	0.98	17.1	0.019	2.2	159.7	3.1	215.5	1.59	0.10	21.0
33102	Core	50.8	844	27.9	0.004	0.94	18.3	0.021	2.0	159.3	2.8	218.6	1.02	0.13	19.6
33103	Core	50.0	683	18.1	0.005	0.67	16.4	0.013	<1.0	151.3	2.7	212.1	0.80	0.09	19.0
33104	Core	47.8	643	25.5	0.007	0.86	17.4	0.020	<1.0	168.2	2.7	251.3	0.79	<0.05	19.5
33105	Core	49.6	715	14.3	0.005	0.63	17.9	0.013	<1.0	170.9	2.9	229.0	0.80	0.13	19.7
33106	Core	44.8	369	27.2	0.006	0.49	15.9	0.011	1.5	167.1	3.0	188.6	0.67	<0.05	16.1
33107	Core	50.0	678	16.7	0.002	0.54	17.8	0.014	1.6	187.5	2.9	191.5	0.73	<0.05	19.2
33108	Core	46.7	528	31.8	0.003	0.57	18.1	0.020	1.6	179.9	2.8	182.5	0.65	0.07	20.0
33109	Core	46.8	720	21.4	0.006	0.75	17.9	0.054	1.9	178.1	2.6	187.8	0.55	0.07	20.0
33110	Core	47.7	675	40.9	0.006	0.88	18.0	0.060	1.7	175.3	2.7	181.3	0.64	0.10	20.2
33111	Core	47.1	513	29.7	0.003	0.76	17.8	0.088	1.6	177.7	2.9	223.3	0.65	0.07	18.5
33112	Core	55.4	683	25.6	0.004	0.77	17.0	0.148	1.2	175.2	2.7	189.5	0.77	0.10	18.7
33113	Core	48.4	553	33.0	0.003	0.75	17.4	0.120	2.1	182.0	2.8	188.4	0.72	<0.05	19.2
33114	Core	48.3	517	33.4	0.003	0.67	16.7	0.099	1.2	165.2	2.9	166.6	0.88	<0.05	18.8
33115	Core	49.7	547	27.2	0.007	0.62	18.5	0.084	1.3	187.7	2.8	165.8	0.78	<0.05	20.0
33116	Core	49.2	501	31.9	0.003	0.56	15.8	0.083	<1.0	159.1	2.7	141.6	0.65	<0.05	16.3
33117	Core	48.8	849	37.4	0.005	0.73	17.5	0.072	1.7	196.4	2.7	163.6	0.71	<0.05	20.7
33118	Core	44.6	528	34.7	<0.002	0.63	16.4	0.064	<1.0	175.5	2.6	129.9	0.65	<0.05	19.0
33119	Core	47.4	510	56.4	0.004	0.76	17.8	0.065	<1.0	191.1	2.8	127.1	0.70	<0.05	19.5
33120	Core	34.8	459	42.2	0.004	0.49	10.7	0.053	1.4	122.2	1.9	85.4	0.36	<0.05	16.3
33121	Core	52.6	665	39.3	0.003	0.90	17.5	0.140	1.5	206.2	3.0	112.6	0.60	<0.05	19.9
33122	Core	51.8	603	21.3	0.006	0.94	21.5	0.174	1.6	242.6	3.4	122.6	0.75	0.16	22.9
33123	Core	11.6	88	12.0	0.004	0.66	2.2	0.095	<1.0	29.7	1.0	25.6	0.11	<0.05	8.0
33124	Core	12.3	100	191.5	0.002	0.91	2.1	0.548	1.0	45.7	4.3	17.7	0.09	<0.05	7.6
33125	Core	10.8	57	321.8	0.004	2.30	1.3	1.963	<1.0	40.1	7.8	11.9	0.07	<0.05	6.6
33126	Core	7.5	134	17.0	0.003	2.78	1.2	0.397	<1.0	28.8	4.8	19.9	0.07	<0.05	3.9
33127	Core	30.5	961	12.6	<0.002	1.11	10.6	0.238	1.6	144.1	2.3	82.6	0.33	<0.05	14.6
33128	Core	23.1	1253	21.7	0.003	0.83	7.2	0.047	<1.0	88.2	1.8	67.7	0.19	<0.05	11.5
33129	Core	7.8	90	10.5	0.003	0.67	2.0	0.029	1.1	28.8	0.9	42.1	0.07	<0.05	8.2
33130	Core	10.5	79	8.6	0.003	0.41	3.9	0.024	<1.0	46.0	1.5	57.6	0.13	<0.05	8.7
33131	Core	17.2	83	10.8	0.004	0.44	5.2	0.020	<1.0	63.5	1.3	46.8	0.22	<0.05	12.1
33132	Core	12.9	89	10.6	0.003	0.77	3.5	0.129	<1.0	44.8	1.2	40.8	0.18	<0.05	12.8
33133	Core	9.8	77	11.4	<0.002	0.58	2.3	0.097	<1.0	30.1	1.2	81.5	0.10	<0.05	9.2
33134	Core	9.4	116	13.8	0.004	0.73	2.8	0.168	1.9	38.0	1.1	26.0	0.13	<0.05	14.2
33135	Core	10.6	382	9.1	0.008	1.22	2.1	0.187	<1.0	35.3	1.4	18.5	0.30	0.10	7.5
33136	Core	11.1	67	20.2	0.005	1.11	3.4	0.234	1.8	45.9	1.6	12.9	0.17	0.08	9.7
33137	Core	64.4	3999	6.3	0.047	19.49	5.6	1.230	10.0	108.2	1.7	142.6	0.52	0.58	6.7
33138	Core	11.1	73	39.9	0.003	1.11	3.2	0.276	2.0	47.9	1.9	13.3	0.12	<0.05	9.4
33139	Core	10.3	74	27.0	0.005	0.96	2.4	0.224	2.1	35.3	1.3	16.0	0.12	<0.05	10.1
33140	Core	9.3	112	18.9	0.003	0.75	2.8	0.166	1.8	42.4	1.2	18.2	0.13	<0.05	11.6

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Certificate of Analysis

12-360-04870-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33141	Core	10.4	452	69.6	0.007	1.41	2.1	0.422	<1.0	33.1	1.7	15.5	0.10	<0.05	8.7
33142	Core	10.0	778	9.0	0.005	0.77	2.4	0.068	1.4	40.0	1.3	45.7	0.11	<0.05	8.4
33143	Core	11.5	141	16.8	0.003	0.82	3.0	0.090	1.1	41.2	0.9	37.3	0.10	<0.05	10.3

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33101	Core	0.201	0.84	3.9	159	1.2	10.5	125	110.4
33102	Core	0.186	0.80	4.3	163	1.3	11.1	134	107.7
33103	Core	0.160	0.81	4.1	157	1.0	10.4	121	93.7
33104	Core	0.142	0.85	3.8	159	0.9	10.0	128	96.9
33105	Core	0.175	0.88	3.8	157	1.2	9.7	122	97.9
33106	Core	0.146	0.87	3.2	142	0.9	7.7	105	79.6
33107	Core	0.154	0.96	4.1	164	1.1	9.0	116	100.5
33108	Core	0.138	0.96	4.1	155	1.1	11.4	123	111.5
33109	Core	0.111	0.95	4.6	156	0.8	10.1	129	112.6
33110	Core	0.141	0.86	4.7	155	1.2	9.8	127	103.0
33111	Core	0.138	0.88	4.2	152	1.1	9.2	123	92.1
33112	Core	0.153	0.96	5.0	164	1.1	8.7	125	89.2
33113	Core	0.167	0.93	4.5	160	1.1	10.9	134	98.6
33114	Core	0.180	0.92	4.2	157	1.2	8.9	122	94.5
33115	Core	0.146	1.00	4.2	160	1.2	9.2	132	106.8
33116	Core	0.157	0.98	4.1	159	0.9	7.5	124	103.1
33117	Core	0.169	0.96	4.6	162	0.9	11.6	134	110.0
33118	Core	0.157	0.90	4.1	153	0.9	12.3	117	109.9
33119	Core	0.140	1.06	4.1	165	0.9	11.8	135	112.2
33120	Core	0.092	0.66	3.1	111	0.8	10.0	86	92.6
33121	Core	0.140	1.09	4.9	165	0.9	9.0	134	108.7
33122	Core	0.163	1.24	5.3	176	1.4	10.5	122	129.9
33123	Core	0.026	0.18	1.1	32	1.3	3.3	46	42.5
33124	Core	0.026	0.23	1.3	28	1.1	3.0	85	47.8
33125	Core	0.022	0.20	0.9	19	1.2	2.4	83	37.5
33126	Core	0.018	0.15	0.6	16	1.8	2.2	14	28.0
33127	Core	0.072	0.71	2.8	101	2.2	7.8	83	84.0
33128	Core	0.053	0.47	2.2	76	0.8	8.0	60	71.8
33129	Core	0.024	0.17	1.2	29	0.8	3.8	20	50.6
33130	Core	0.034	0.25	1.3	43	0.3	4.4	34	58.3
33131	Core	0.062	0.32	2.0	61	0.6	6.1	42	82.9
33132	Core	0.042	0.24	1.6	47	1.1	5.4	30	80.6
33133	Core	0.032	0.15	1.2	31	0.9	4.7	18	54.6
33134	Core	0.040	0.21	1.8	37	0.8	5.1	21	87.9
33135	Core	0.021	0.26	1.7	25	1.4	4.3	34	39.0
33136	Core	0.030	0.31	1.6	33	1.6	4.2	55	60.8
33137	Core	0.185	11.63	8.1	416	36.7	26.0	272	71.8
33138	Core	0.025	0.59	1.4	35	1.5	4.1	87	55.3
33139	Core	0.032	0.35	1.8	30	1.3	4.5	46	56.5
33140	Core	0.036	0.38	2.0	35	1.3	7.2	32	67.7

INSPECTORATE
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Certificate of Analysis

12-360-04870-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33141	Core	0.022	0.28	1.5	24	3.5	5.2	78	45.7
33142	Core	0.028	0.26	1.5	33	2.0	5.6	24	47.4
33143	Core	0.036	0.28	1.6	38	1.5	5.0	27	63.4

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33101	Core			0.36	102.04	5.6	55.8	>10	8.4	585	3.75	0.43	0.16	0.10	18.3
33101 Dup				0.35	107.03	3.3	56.5	>10	7.7	582	3.60	0.41	0.16	0.06	17.4
QCV1207-01635-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected												2.44			16.3
STD-OREAS92-4A result					81.13	3.8	40.7	8.06	7.3	423	2.70	2.45	0.50	0.03	15.9
33119	Core			0.29	59.62	3.5	32.4	>10	10.3	753	3.99	0.48	0.18	0.12	18.0
33119 Dup				0.26	70.05	3.3	39.4	>10	10.6	795	3.34	0.43	0.18	0.11	17.5
QCV1207-01635-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.67				4.36	7484.6	226					10.6
33137	Core			0.71	25.67	2.0	15.3	3.24	968.0	164	0.62	0.64	>10	4.00	6.7
33137 Dup				0.68	29.28	1.9	18.0	3.40	957.1	172	0.73	0.62	>10	4.13	6.4
QCV1207-01635-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected												2.44			16.3
STD-OREAS92-4A result					86.63	3.7	44.4	7.88	6.6	441	2.13	2.28	0.52	0.03	16.6
33101	Core		0.2												
33101 Dup			0.2												
QCV1207-01636-0002-BLK			<0.1												
STD-OREAS92-2A expected			0.7												
STD-OREAS92-2A result			0.9												
33119	Core		0.2												
33119 Dup			0.2												
QCV1207-01636-0005-BLK			0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			0.4												
33137	Core		0.4												
33137 Dup			0.5												
QCV1207-01636-0008-BLK			<0.1												
STD-DS-1 expected			0.5												
STD-DS-1 result			0.5												
33101	Core	<0.005													
33101 Dup		<0.005													
QCV1207-01637-0002-BLK		<0.005													
33127	Core	0.013													
33127 Dup		0.017													
STD-OxE101 expected		0.607													
STD-OxE101 result		0.568													
QCV1207-01637-0005-BLK		<0.005													
STD-OxC102 expected		0.207													
STD-OxC102 result		0.195													

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33101	Core	114	8.37	60.2	5.12	31.52	1.61	0.08	2.97	117.9	1.29	488	0.49	0.94	11.0
33101 Dup		115	8.07	60.9	5.13	31.75	1.51	0.08	2.97	116.2	1.28	482	0.39	0.93	7.9
QCV1207-01635-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			6.91	2274.2	4.33	21.78		0.34	3.03	26.2	1.58		0.33	0.51	14.1
33119	Core	124	9.01	66.8	5.18	32.44	1.19	0.08	3.95	88.1	1.22	429	0.31	0.50	7.5
33119 Dup		123	9.04	61.3	5.13	32.02	1.35	0.08	3.90	84.9	1.20	423	0.32	0.49	5.5
QCV1207-01635-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76				
STD-DS-1 result				28.9							2.80				4.8
33137	Core	101	6.94	37.3	1.29	7.76	0.24	0.06	1.42	9.0	0.74	284	11.06	<0.01	7.1
33137 Dup		103	7.16	37.4	1.31	7.65	0.27	0.07	1.47	8.2	0.77	280	11.13	<0.01	7.3
QCV1207-01635-0008-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			7.42	2321.9	4.43	21.61		0.32	2.97	24.6	1.58		0.33	0.50	14.2

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Certificate of Analysis

12-360-04870-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33101	Core	46.5	502	25.1	0.004	0.98	17.1	0.019	2.2	159.7	3.1	215.5	1.59	0.10	21.0
33101 Dup		46.6	507	22.9	0.008	0.79	16.5	0.019	1.5	154.2	2.7	210.2	0.90	<0.05	20.6
QCV1207-01635-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected						1.16			3.8		10.6				
STD-OREAS92-4A result		35.8	679		0.005	1.27	12.2		4.0	187.6	9.9	37.0			19.1
33119	Core	47.4	510	56.4	0.004	0.76	17.8	0.065	<1.0	191.1	2.8	127.1	0.70	<0.05	19.5
33119 Dup		48.9	513	48.2	0.003	0.73	17.2	0.065	1.4	195.9	2.7	128.2	0.53	<0.05	19.7
QCV1207-01635-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7	340	13.8											
STD-DS-1 result		48.4	341	15.5											
33137	Core	64.4	3999	6.3	0.047	19.49	5.6	1.230	10.0	108.2	1.7	142.6	0.52	0.58	6.7
33137 Dup		62.9	4088	7.1	0.041	20.04	5.6	1.264	8.8	106.9	1.6	145.5	0.49	0.65	6.4
QCV1207-01635-0008-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected						1.16					10.6				
STD-OREAS92-4A result		35.2	680		0.003	1.23	13.5			200.7	10.3	37.4			19.6

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INSPECTORATE
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Certificate of Analysis

12-360-04870-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33101	Core	0.201	0.84	3.9	159	1.2	10.5	125	110.4
33101 Dup		0.141	0.82	4.0	158	1.1	9.8	118	98.0
QCV1207-01635-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result			0.87	3.1		2.7	27.2	92	119.6
33119	Core	0.140	1.06	4.1	165	0.9	11.8	135	112.2
33119 Dup		0.115	0.99	3.9	163	0.7	9.7	130	104.5
QCV1207-01635-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected								206	
STD-DS-1 result								216	151.7
33137	Core	0.185	11.63	8.1	416	36.7	26.0	272	71.8
33137 Dup		0.198	11.55	7.7	425	34.5	26.0	271	71.7
QCV1207-01635-0008-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result			0.91	3.4		2.8	27.1	92	121.3

Certificate of Analysis

12-360-04871-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
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EMail: ghayes@northern-tiger.com

Attention: Melanie Debnam
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Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-004**
Client Reference: **Core-12-004**
Description: **3 ACE**

Date Received: 07/23/2012
Date Completed: 07/30/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	18	Core	

Location	Quantity	Method	Description
Vancouver, BC	18	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	18	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	18	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____
Sofia Devota – Operations Manager

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12-360-04871-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33242	Core	0.443	0.1	0.11	29.14	2.8	16.7	>10	79.0	979	3.91	0.52	0.28	0.21	23.8
33243	Core	0.051	<0.1	<0.01	35.39	2.5	19.7	>10	29.2	840	3.18	0.38	0.32	0.18	20.2
33244	Core	<0.005	<0.1	<0.01	58.17	3.3	32.3	>10	23.0	765	2.21	0.38	0.27	0.05	20.1
33245	Core	0.011	<0.1	<0.01	33.51	2.9	18.7	>10	33.8	806	2.85	0.41	0.32	0.08	21.4
33246	Core	0.032	<0.1	<0.01	39.14	2.8	19.8	8.98	43.1	561	2.01	0.31	0.37	0.03	16.0
33247	Core	0.040	<0.1	<0.01	33.75	1.8	16.3	3.85	182.9	136	0.73	0.25	1.62	0.69	5.4
33248	Core	0.404	0.1	0.06	33.23	2.7	17.5	9.96	1966.9	687	3.07	0.37	1.22	0.11	19.8
33249	Core	0.589	0.2	0.62	39.30	3.6	20.6	>10	1925.2	747	2.87	0.53	1.20	0.60	26.3
33250	Core	0.302	<0.1	0.98	77.37	3.5	40.7	4.61	843.8	30	1.31	0.11	0.88	0.46	18.4
33251	Core	0.797	0.3	1.00	64.71	2.7	34.1	3.91	1178.7	29	1.58	0.11	0.72	0.54	16.7
33252	Core	<0.005	<0.1	<0.01	1.08	<0.1	0.7	0.07	2.2	34	0.11	0.05	>10	0.08	1.2
33253	Core	0.044	0.3	0.13	11.63	0.6	5.1	1.31	1504.5	26	0.16	0.72	0.02	1.79	2.0
33254	Core	0.588	0.7	0.53	19.45	1.0	9.5	3.43	>10000	173	0.92	1.82	0.03	5.41	6.2
33255	Core	0.286	0.3	0.17	45.10	1.8	22.8	5.23	5722.0	305	1.80	0.87	0.06	0.47	12.6
33256	Core	0.199	0.3	0.15	28.63	2.8	14.8	>10	1277.8	833	3.91	0.79	0.24	0.27	19.2
33257	Core	0.536	0.3	0.11	23.59	2.8	13.3	>10	912.0	926	4.18	0.47	0.36	0.11	19.4
33258	Core	0.007	<0.1	<0.01	29.23	1.4	13.1	2.19	27.6	70	0.91	0.09	0.07	0.09	4.0
33259	Core	0.009	<0.1	<0.01	30.24	1.3	13.0	1.75	33.4	62	0.54	0.14	0.04	0.67	3.0

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Certificate of Analysis

12-360-04871-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-171

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33242	Core	162	11.28	61.6	4.63	34.11	1.51	0.09	4.59	26.9	0.59	411	0.95	0.26	4.8
33243	Core	144	10.07	54.4	5.21	29.59	1.34	0.07	3.76	39.8	0.81	394	0.62	0.27	5.1
33244	Core	135	8.81	51.3	4.51	29.89	1.50	0.07	3.42	48.7	0.80	274	0.48	0.28	7.3
33245	Core	141	9.54	51.8	4.61	29.85	1.35	0.07	3.79	38.9	0.73	343	0.72	0.29	5.5
33246	Core	173	7.57	40.8	4.14	24.50	1.31	0.05	2.83	36.5	0.65	388	0.54	0.18	5.3
33247	Core	177	3.60	18.4	3.13	9.00	1.30	0.04	0.68	188.3	0.82	933	0.52	0.05	2.1
33248	Core	173	9.37	57.1	5.49	32.68	1.70	0.08	3.44	38.9	1.05	622	0.81	0.18	6.9
33249	Core	224	7.86	83.9	4.75	43.92	1.98	0.11	3.57	33.8	0.75	779	1.57	0.13	18.5
33250	Core	194	0.68	31.3	4.80	12.90	2.09	0.05	0.05	45.9	0.39	1394	2.73	<0.01	53.9
33251	Core	210	0.70	27.6	4.35	10.37	2.01	0.05	0.05	37.3	0.35	1316	2.48	<0.01	43.7
33252	Core	21	0.88	6.1	0.46	0.64	<0.05	<0.01	0.03	1.3	>10	245	0.18	<0.01	0.8
33253	Core	208	0.78	10.3	0.47	2.49	1.43	0.03	0.20	5.8	0.03	45	0.40	0.01	0.6
33254	Core	205	3.90	14.7	1.95	10.04	2.08	0.16	1.30	17.4	0.13	43	0.59	0.07	1.6
33255	Core	280	4.68	56.1	3.54	18.61	1.65	0.07	2.16	31.9	0.27	487	1.11	0.09	2.5
33256	Core	207	9.76	55.9	4.70	33.64	1.41	0.07	4.51	48.2	0.74	461	1.14	0.22	5.1
33257	Core	228	10.31	48.9	3.96	35.28	1.53	0.08	4.76	31.1	0.79	306	0.88	0.24	5.0
33258	Core	213	1.32	12.5	2.14	5.62	0.87	0.01	0.37	17.4	0.22	507	0.60	0.02	1.0
33259	Core	257	1.19	16.0	1.05	4.79	0.97	0.02	0.31	11.6	0.10	243	0.53	0.02	0.9

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12-360-04871-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33242	Core	45.9	139	52.0	0.003	7.16	19.4	2.392	1.8	242.4	3.4	132.4	0.51	<0.05	16.5
33243	Core	44.2	211	35.9	0.005	5.27	17.1	1.272	1.1	197.1	2.8	123.1	0.46	<0.05	14.7
33244	Core	43.1	275	24.7	0.006	4.21	16.1	0.624	1.0	176.3	2.7	119.4	0.67	<0.05	19.9
33245	Core	47.6	223	32.0	0.003	5.60	17.0	0.958	1.1	192.9	2.7	125.9	0.53	<0.05	17.6
33246	Core	30.6	149	20.1	0.004	3.03	12.0	0.801	1.4	146.6	2.9	89.0	0.47	<0.05	17.7
33247	Core	12.6	82	43.7	0.005	1.46	4.2	0.395	<1.0	38.5	1.8	132.2	0.16	<0.05	10.2
33248	Core	48.7	236	41.6	0.004	7.24	16.0	1.050	1.4	188.2	3.1	173.5	0.54	<0.05	17.6
33249	Core	46.3	875	125.2	0.003	5.11	19.5	0.961	2.0	195.1	4.7	218.6	1.17	<0.05	17.7
33250	Core	41.8	3116	36.0	0.004	2.27	8.5	0.357	1.4	2.4	1.2	271.0	3.11	<0.05	7.2
33251	Core	33.5	2481	40.8	0.002	2.37	7.2	0.336	<1.0	2.7	1.2	228.8	2.43	<0.05	6.4
33252	Core	9.3	160	4.2	0.006	0.08	<0.1	0.013	2.2	3.0	0.4	54.1	0.12	<0.05	<0.2
33253	Core	4.9	28	124.9	0.002	1.48	0.2	0.198	1.0	9.8	2.7	6.8	0.09	<0.05	3.6
33254	Core	12.6	22	148.2	0.002	11.29	2.9	1.275	3.0	63.3	24.3	15.5	0.14	<0.05	6.1
33255	Core	27.0	76	54.2	0.005	5.79	8.8	2.017	1.7	112.7	6.4	31.9	0.22	<0.05	12.4
33256	Core	41.9	165	44.5	0.003	5.03	17.5	1.983	1.4	231.5	4.9	88.0	0.41	<0.05	17.2
33257	Core	41.2	143	36.8	0.008	5.12	18.9	1.565	1.1	235.6	3.2	130.9	0.40	<0.05	16.3
33258	Core	8.9	61	7.9	0.003	0.59	2.7	0.169	1.0	19.7	0.9	10.2	0.08	<0.05	8.5
33259	Core	7.3	52	25.7	0.002	0.58	2.0	0.175	1.4	17.6	0.9	11.7	0.10	<0.05	8.0

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12-360-04871-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33242	Core	0.133	1.35	3.8	163	5.4	6.2	104	91.9
33243	Core	0.135	1.11	3.4	153	2.9	6.0	132	80.6
33244	Core	0.179	1.08	4.6	156	2.5	8.0	129	105.1
33245	Core	0.138	1.17	4.3	159	2.4	6.5	121	89.3
33246	Core	0.123	0.90	3.8	123	4.6	7.1	91	100.0
33247	Core	0.052	0.25	1.5	60	3.2	6.6	85	61.9
33248	Core	0.150	1.08	4.3	178	6.7	8.5	133	92.7
33249	Core	0.292	1.10	4.5	234	30.0	14.2	207	142.6
33250	Core	0.691	0.17	6.8	115	85.9	17.5	86	160.6
33251	Core	0.555	0.12	5.5	94	66.9	15.7	84	150.1
33252	Core	<0.005	0.05	0.6	342	0.6	0.8	21	1.0
33253	Core	0.012	0.08	0.5	7	1.2	1.1	144	24.0
33254	Core	0.040	0.36	1.1	35	6.3	2.8	440	31.1
33255	Core	0.066	0.62	2.2	79	4.8	5.7	60	69.9
33256	Core	0.134	1.26	3.6	164	5.8	6.9	95	93.7
33257	Core	0.132	1.32	3.5	171	5.4	5.7	114	89.7
33258	Core	0.027	0.17	1.4	27	1.2	4.2	51	54.3
33259	Core	0.029	0.13	1.2	21	1.2	5.3	67	57.3

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Certificate of Analysis

12-360-04871-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33242	Core			0.11	29.14	2.8	16.7	>10	79.0	979	3.91	0.52	0.28	0.21	23.8
33242 Dup				0.06	16.69	2.5	9.3	>10	82.2	903	3.16	0.53	0.28	0.19	23.3
QCV1207-01632-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.73	83.25	3.7	42.2	8.04		433	2.82	2.48	0.53	<0.02	17.2
QCV1207-01632-0004-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.76	83.77	3.8	42.3	8.02		440	2.62	2.37	0.54	0.07	16.6
33242	Core		0.1												
33242 Dup			0.1												
QCV1207-01633-0002-BLK			<0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			0.3												
QCV1207-01633-0004-BLK			<0.1												
STD-DS-1 expected			0.5												
STD-DS-1 result			0.4												
33242	Core	0.443													
33242 Dup		0.510													
QCV1207-01634-0002-BLK		<0.005													
STD-OxG84 expected		0.922													
STD-OxG84 result		0.890													

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Certificate of Analysis

12-360-04871-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33242	Core	162	11.28	61.6	4.63	34.11	1.51	0.09	4.59	26.9	0.59	411	0.95	0.26	4.8
33242 Dup		152	10.97	58.9	4.65	33.10	1.48	0.08	4.62	25.5	0.58	399	0.97	0.26	3.5
QCV1207-01632-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			7.61	2409.1	4.51			0.32	3.01	25.5	1.61		0.30	0.51	14.0
QCV1207-01632-0004-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			7.54	2151.6	4.57			0.32	3.01	25.3	1.62		0.33	0.51	13.7

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Certificate of Analysis

12-360-04871-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33242	Core	45.9	139	52.0	0.003	7.16	19.4	2.392	1.8	242.4	3.4	132.4	0.51	<0.05	16.5
33242 Dup		46.9	139	48.3	0.002	7.03	19.1	2.391	1.4	246.9	3.2	121.4	0.35	0.11	15.9
QCV1207-01632-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected						1.16			3.8		10.6				
STD-OREAS92-4A result		38.6	697		0.004	1.25	12.9		5.6	194.4	10.5			<0.05	18.9
QCV1207-01632-0004-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected						1.16			3.8		10.6				
STD-OREAS92-4A result		38.8	705		0.005	1.28	12.8		4.6	191.7	10.1			<0.05	19.6

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12-360-04871-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33242	Core	0.133	1.35	3.8	163	5.4	6.2	104	91.9
33242 Dup		0.112	1.35	3.7	162	5.0	5.8	100	79.7
QCV1207-01632-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result			0.91	3.4		2.7	27.7	101	122.6
QCV1207-01632-0004-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result			0.97	3.5		2.7	25.8	97	120.6

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12-360-04871-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

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#220 17010 103rd Ave
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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-004**
Client Reference: **Core-12-004**
Description: **3 ACE**

Date Received: 08/17/2012
Date Completed: 08/23/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	10	Core	

Location	Quantity	Method	Description
Vancouver, BC	10	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

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12-360-04871-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33248	Core	0.50	0.36	0.46	1.73	488.16	37.96	526.11
33249	Core	0.59	0.65	0.45	1.48	517.36	25.03	542.39
33250	Core	0.33	0.32	0.34	0.27	495.38	27.97	523.35
33251	Core	1.19	1.04	1.28	1.77	482.58	20.58	503.16
33252	Core	<0.01	<0.01	<0.01	<0.01	514.42	15.50	529.92
33253	Core	0.04	0.04	0.04	0.02	518.22	11.03	529.25
33254	Core	0.69	0.58	0.70	3.61	480.51	9.20	489.71
33255	Core	0.27	0.27	0.27	0.21	494.29	34.33	528.62
33256	Core	0.19	0.20	0.19	0.14	544.65	6.45	551.10
33257	Core	0.66	0.66	0.67	0.53	538.00	8.97	546.97

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12-360-04871-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1208-01253-0001-BLK		<0.01						29.17
QCV1208-01253-0002-BLK		<0.01						29.17
STD-OxJ95 expected		2.34						
STD-OxJ95 result		2.30						

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12-360-04871-03

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#200 - 11620 Horseshoe Way
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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-004**
Client Reference: **Core-12-004**
Description: **3 ACE**

Date Received: 10/19/2012
Date Completed: 10/23/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	2	Core	

Location	Quantity	Method	Description
Vancouver, BC	2	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

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12-360-04871-03

Northern Tiger Resources
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Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
33242	Core	0.89	0.88	0.81	2.47	500.97	13.76	514.73
33243	Core	0.05	0.05	0.05	0.04	495.84	13.44	509.28

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12-360-04871-03

Northern Tiger Resources
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Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1210-01419-0001-BLK		<0.01						29.37
QCV1210-01419-0002-BLK		<0.01						29.17
STD-Oxi96 expected		1.80						
STD-Oxi96 result		1.79						

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12-360-04880-01

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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-002**
Client Reference: **Core-12-002**
Description: **3 ACE**

Date Received: 07/23/2012
Date Completed: 07/30/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	52	Core	

Location	Quantity	Method	Description
Vancouver, BC	1	Au-1AT-GV	Au, 1AT, Gravimetric
Vancouver, BC	52	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	52	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	52	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-184

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12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33144	Core		0.088	<0.1	0.01	28.84	1.7	13.2	2.02	99.0	84	0.55	0.15	0.48	0.22
33145	Core		0.025	<0.1	<0.01	24.00	1.3	10.8	1.75	208.8	67	0.45	0.11	0.50	0.19
33146	Core		<0.005	<0.1	<0.01	49.35	2.7	24.8	5.48	13.3	304	1.44	0.22	0.46	0.03
33147	Core		0.013	<0.1	<0.01	27.91	3.0	14.3	9.78	36.7	688	3.00	0.41	0.70	0.11
33148	Core		0.007	<0.1	0.16	46.94	3.1	26.6	>10	48.5	820	3.34	0.55	0.37	0.11
33149	Core		0.013	<0.1	<0.01	29.72	2.9	16.6	>10	36.0	852	2.98	0.46	0.67	0.09
33150	Core		0.038	<0.1	<0.01	28.03	2.1	14.7	8.22	26.0	581	2.08	0.32	0.75	0.11
33151	Core		0.014	<0.1	<0.01	25.52	1.2	13.8	4.61	11.9	342	1.15	0.21	0.44	0.06
33152	Core		0.023	<0.1	<0.01	28.97	2.3	16.0	>10	24.1	787	2.42	0.32	0.60	0.14
33153	Core		0.030	<0.1	<0.01	46.53	2.7	25.3	>10	36.1	976	2.26	0.45	0.13	0.11
33154	Core		0.008	<0.1	<0.01	59.64	2.7	32.3	>10	34.1	935	3.21	0.51	0.36	0.07
33155	Core		0.007	<0.1	<0.01	36.53	2.3	19.4	>10	25.7	833	2.64	0.45	0.85	0.08
33156	Core		<0.005	<0.1	<0.01	47.05	2.7	24.9	>10	34.5	1021	2.93	0.49	0.58	0.09
33157	Core		<0.005	<0.1	<0.01	33.68	2.8	18.3	>10	24.2	1014	2.31	0.51	0.80	0.06
33158	Core		<0.005	<0.1	<0.01	54.13	2.8	28.4	>10	19.0	999	2.14	0.44	0.52	0.05
33159	Core		<0.005	<0.1	<0.01	43.08	2.7	23.9	>10	28.1	990	2.63	0.55	0.84	0.05
33160	Core		<0.005	<0.1	<0.01	39.82	2.6	22.4	>10	22.4	944	2.70	0.45	0.90	0.07
33161	Core		<0.005	<0.1	<0.01	26.00	2.5	14.0	>10	21.4	1008	2.86	0.45	0.72	0.09
33162	Core		<0.005	<0.1	<0.01	17.31	2.4	9.6	>10	19.1	980	2.64	0.44	0.93	0.06
33163	Core		<0.005	<0.1	<0.01	56.35	2.7	30.3	>10	24.7	958	2.40	0.56	0.60	0.06
33164	Core		<0.005	<0.1	<0.01	63.61	2.6	35.5	>10	14.6	969	2.56	0.51	0.58	0.07
33165	Core		<0.005	<0.1	<0.01	35.48	2.6	20.2	>10	22.4	978	2.97	0.39	0.35	0.08
33166	Core		0.007	<0.1	<0.01	46.18	2.4	25.5	>10	32.5	885	2.88	0.38	0.76	0.13
33167	Core		0.008	<0.1	0.02	58.34	3.0	31.7	>10	38.7	909	3.13	0.49	0.11	0.28
33168	Core		0.013	<0.1	<0.01	57.58	3.4	30.7	>10	39.0	728	2.76	0.33	0.14	0.08
33169	Core		0.038	<0.1	0.20	19.50	1.4	9.0	2.71	99.2	128	0.64	1.05	0.06	1.03
33170	Core		0.025	<0.1	0.13	27.45	1.7	12.9	3.97	460.8	238	1.16	1.04	0.10	0.37
33171	Core		<0.005	<0.1	<0.01	34.24	1.8	16.7	4.01	72.1	196	0.77	0.29	0.07	0.99
33172	Core		0.419	<0.1	<0.01	29.52	2.0	14.3	3.83	284.6	219	0.89	0.12	0.05	0.20
33173	Core		0.050	<0.1	<0.01	30.27	1.5	14.3	2.88	24.9	134	0.63	0.07	0.04	0.11
33174	Core		0.178	<0.1	<0.01	25.81	1.5	12.7	3.71	662.0	182	0.73	0.13	0.05	0.27
33175	Core		0.055	<0.1	<0.01	30.29	1.5	15.5	3.84	608.0	197	0.92	0.13	0.05	0.26
33176	Core		<0.005	<0.1	<0.01	1.14	<0.1	0.7	0.08	0.3	72	0.12	0.04	>10	0.06
33177	Core		0.279	<0.1	<0.01	29.95	1.5	14.6	3.35	2719.8	157	1.01	0.13	0.09	0.50
33178	Core		0.199	<0.1	0.04	35.62	2.8	16.1	3.31	4113.5	175	0.74	0.15	0.04	<0.02
33179	Core	10.655	>10	0.7	0.78	43.12	1.7	22.5	5.15	4448.4	250	1.71	1.18	0.03	0.41
33180	Core		1.738	<0.1	0.20	9.59	0.3	4.8	1.09	4198.1	36	0.18	0.34	0.01	0.21
33181	Core		1.155	<0.1	<0.01	7.64	0.4	3.5	1.00	6890.4	36	0.21	0.20	0.01	0.20
33182	Core		0.586	<0.1	<0.01	17.10	1.1	7.8	1.92	5997.7	66	0.47	0.14	0.01	0.57
33183	Core		2.102	<0.1	0.43	34.95	2.4	16.3	3.67	3430.1	156	0.73	0.15	0.02	0.43

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12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33184	Core		4.472	<0.1	0.05	30.34	1.7	14.8	3.42	2562.2	143	0.81	0.18	0.02	0.29
33185	Core		0.060	<0.1	<0.01	22.17	1.0	10.3	1.96	1043.1	71	0.33	0.11	0.02	0.10
33186	Core		0.088	<0.1	<0.01	18.27	1.1	8.3	1.95	1696.7	83	0.82	0.06	0.05	0.18
33187	Core		0.575	<0.1	0.13	37.83	1.9	18.5	5.34	1278.7	347	1.35	0.34	0.19	0.48
33188	Core		0.422	0.1	0.52	22.88	2.0	11.7	7.23	1849.1	450	2.05	0.47	0.11	0.74
33189	Core		0.100	<0.1	0.01	38.48	3.1	19.5	8.71	160.8	489	2.21	0.27	0.11	0.63
33190	Core		0.013	<0.1	0.35	50.25	3.3	25.8	9.72	59.8	584	2.43	0.31	0.10	0.06
33191	Core		0.285	<0.1	<0.01	27.59	1.3	12.6	2.66	891.5	118	0.76	0.21	0.13	0.31
33192	Core		0.312	<0.1	<0.01	21.73	1.1	9.5	2.42	605.1	86	0.66	0.15	0.04	0.29
33193	Core		0.094	<0.1	<0.01	18.66	1.3	8.5	2.69	2954.0	76	0.70	0.11	0.04	0.37
33194	Core		0.188	<0.1	<0.01	27.21	1.3	12.8	3.55	2178.5	189	1.01	0.15	0.07	0.22
33195	Core		0.272	<0.1	0.09	36.27	2.8	18.3	8.49	651.5	536	2.32	0.20	0.09	0.20

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33144	Core	3.5	136	1.38	15.4	1.04	4.82	1.09	0.01	0.50	37.4	0.22	300	0.58	0.29
33145	Core	3.5	170	1.16	13.3	1.14	4.30	1.11	0.01	0.43	23.1	0.25	349	0.48	0.16
33146	Core	7.1	167	3.14	23.9	2.85	12.43	1.05	0.03	1.61	29.2	0.67	309	0.56	0.16
33147	Core	19.0	140	6.33	46.6	4.09	24.67	1.42	0.07	3.54	50.9	0.88	369	0.69	0.21
33148	Core	28.0	125	6.42	60.5	4.37	28.64	1.39	0.08	4.15	39.2	0.86	484	1.29	0.25
33149	Core	23.5	140	7.14	53.1	4.54	26.33	1.38	0.07	4.13	47.4	0.95	510	0.85	0.26
33150	Core	15.4	123	5.11	41.5	4.18	21.03	1.23	0.06	2.87	50.5	1.00	778	0.59	0.18
33151	Core	7.0	247	2.65	28.1	2.13	10.65	1.24	0.03	1.58	33.8	0.52	354	0.70	0.11
33152	Core	16.8	152	6.34	48.9	4.12	26.05	1.40	0.06	3.63	66.9	0.98	431	0.76	0.24
33153	Core	22.6	117	6.83	55.7	4.48	29.67	1.53	0.07	4.39	47.8	0.95	244	0.78	0.28
33154	Core	23.1	112	7.01	58.5	4.70	30.19	1.51	0.07	4.12	69.7	1.08	442	0.81	0.27
33155	Core	20.5	118	7.53	47.4	4.77	24.71	1.27	0.07	3.61	57.1	1.17	735	0.80	0.25
33156	Core	24.2	91	6.81	54.5	4.79	30.42	1.44	0.08	4.42	58.1	1.10	517	0.83	0.29
33157	Core	19.0	95	6.09	53.9	4.94	28.01	1.32	0.07	4.29	56.8	1.26	809	0.66	0.27
33158	Core	17.4	113	6.28	53.6	4.95	28.10	1.46	0.08	4.17	67.3	1.25	514	0.63	0.27
33159	Core	23.3	95	6.19	53.0	5.08	27.75	1.40	0.08	4.19	59.5	1.29	843	0.64	0.27
33160	Core	20.1	95	6.44	52.8	4.80	28.20	1.41	0.08	4.05	66.0	1.24	798	0.65	0.27
33161	Core	18.7	95	6.39	53.5	4.65	28.81	1.37	0.07	4.30	59.1	1.12	669	0.69	0.29
33162	Core	18.5	81	6.50	56.2	4.77	29.47	1.29	0.08	4.30	74.9	1.23	776	0.70	0.30
33163	Core	23.6	88	6.30	60.3	5.02	29.18	1.37	0.08	4.20	60.7	1.21	634	0.75	0.29
33164	Core	15.7	99	6.49	54.0	4.86	32.19	1.59	0.07	4.29	66.5	1.25	584	0.49	0.29
33165	Core	18.8	103	6.89	54.3	4.59	30.42	1.58	0.08	4.44	65.1	1.12	458	0.62	0.28
33166	Core	21.0	128	6.57	53.4	4.57	29.20	1.64	0.08	4.09	56.2	1.09	620	0.83	0.25
33167	Core	25.0	114	6.63	52.3	4.67	30.64	1.60	0.08	4.51	62.5	0.96	241	0.95	0.26
33168	Core	15.8	132	5.32	55.9	4.07	26.10	1.46	0.06	3.72	41.1	0.63	400	0.67	0.17
33169	Core	4.9	143	1.40	17.8	1.69	6.20	1.13	0.04	0.82	17.0	0.14	512	0.61	0.03
33170	Core	6.1	142	2.16	24.8	1.86	10.33	1.36	0.05	1.58	10.6	0.18	262	2.49	0.05
33171	Core	7.3	133	2.08	16.5	1.75	10.46	1.16	0.04	1.14	17.3	0.21	469	0.44	0.05
33172	Core	7.1	137	2.68	14.5	1.38	9.97	1.10	0.02	1.31	12.5	0.16	305	0.44	0.05
33173	Core	5.0	140	1.71	9.5	0.95	7.04	1.03	0.02	0.81	13.5	0.11	257	0.34	0.04
33174	Core	5.9	166	2.16	14.9	1.65	8.69	1.29	0.03	1.07	16.6	0.21	331	0.42	0.05
33175	Core	8.8	166	2.26	18.7	1.59	9.12	1.31	0.02	1.15	14.3	0.21	321	0.41	0.06
33176	Core	1.2	8	0.72	6.9	0.45	0.42	<0.05	<0.01	0.04	1.2	>10	208	0.08	<0.01
33177	Core	4.9	147	2.38	14.6	1.14	9.20	1.56	0.03	1.12	12.5	0.16	248	0.43	0.04
33178	Core	4.1	161	3.31	5.6	0.68	10.01	1.91	0.03	1.47	9.1	0.17	77	0.56	0.04
33179	Core	9.8	157	9.69	19.7	1.71	18.20	3.05	0.05	1.52	44.7	0.25	199	0.68	0.09
33180	Core	2.1	184	2.33	5.6	0.98	3.04	2.84	0.02	0.20	17.8	0.05	18	0.86	0.02
33181	Core	1.5	195	3.19	6.1	0.83	2.39	2.49	0.02	0.23	52.7	0.02	18	0.95	0.02
33182	Core	3.1	203	5.20	12.8	1.01	5.09	2.15	0.03	0.44	51.1	0.04	19	0.85	0.03
33183	Core	5.5	206	9.23	16.6	1.25	10.67	2.15	0.03	1.06	20.8	0.07	21	0.86	0.05

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Certificate of Analysis

12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33184	Core	5.1	162	6.46	13.1	2.40	10.62	1.81	0.03	0.97	19.0	0.07	17	0.83	0.05
33185	Core	2.8	177	2.06	16.8	0.69	4.89	1.24	0.02	0.39	15.8	0.04	61	0.58	0.02
33186	Core	3.9	162	2.60	19.5	0.84	5.21	1.33	0.02	0.40	20.3	0.04	80	0.49	0.02
33187	Core	6.8	198	6.65	22.0	1.53	15.22	1.95	0.05	1.94	11.6	0.14	86	1.08	0.10
33188	Core	18.6	190	9.12	44.7	3.07	19.35	1.34	0.07	2.60	16.7	0.23	177	2.11	0.14
33189	Core	13.8	142	9.80	43.8	4.88	23.48	1.34	0.07	2.79	32.9	0.86	752	0.55	0.15
33190	Core	16.0	115	10.92	46.0	4.53	25.95	1.16	0.06	3.20	51.4	0.89	635	0.45	0.19
33191	Core	5.2	195	5.94	13.5	3.22	7.13	1.79	0.03	0.68	15.4	0.10	81	1.41	0.05
33192	Core	3.1	185	3.57	14.5	0.86	5.95	1.52	0.02	0.56	9.3	0.05	26	0.59	0.03
33193	Core	3.4	189	3.09	17.4	0.89	5.45	1.72	0.03	0.48	18.1	0.03	48	0.85	0.03
33194	Core	6.1	198	4.52	24.9	1.46	9.97	1.78	0.04	1.14	13.4	0.11	230	0.59	0.06
33195	Core	14.6	180	9.40	46.5	4.00	25.29	1.60	0.06	3.08	23.7	0.63	805	0.59	0.15

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12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-189

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33144	Core	0.9	8.6	141	24.7	<0.002	0.89	1.5	0.254	<1.0	27.4	1.4	31.4	0.18	0.11
33145	Core	0.6	9.7	233	23.4	0.004	0.88	1.4	0.303	<1.0	22.1	1.4	26.9	0.13	0.08
33146	Core	1.8	22.7	329	6.3	0.004	0.77	6.5	0.115	<1.0	76.1	1.2	37.0	0.36	0.17
33147	Core	3.2	38.8	402	30.9	0.005	5.12	14.3	1.293	<1.0	178.3	2.4	98.3	0.58	0.23
33148	Core	4.0	49.3	148	58.2	0.005	9.40	17.4	2.000	2.0	209.5	3.1	79.8	0.54	0.44
33149	Core	3.0	43.5	186	39.3	0.005	6.73	14.8	1.680	1.1	193.4	2.9	79.5	0.41	0.30
33150	Core	2.6	35.3	189	24.6	0.003	4.56	12.1	1.123	<1.0	153.0	2.1	63.2	0.29	0.29
33151	Core	1.8	19.7	86	65.0	0.003	1.75	5.7	0.381	<1.0	74.8	1.3	40.8	0.17	0.20
33152	Core	3.2	41.5	162	16.8	0.003	3.28	14.9	0.862	<1.0	178.4	2.5	86.0	0.35	0.20
33153	Core	3.6	49.7	375	31.5	0.004	6.18	16.0	1.509	1.3	215.9	2.6	67.6	0.45	0.30
33154	Core	3.6	51.1	457	30.3	0.005	5.31	17.1	1.184	1.3	210.9	2.7	80.5	0.40	0.34
33155	Core	2.3	43.0	720	29.0	0.002	5.46	14.3	1.016	<1.0	174.3	2.3	79.7	0.27	0.22
33156	Core	2.5	53.7	906	33.2	0.002	6.43	17.8	1.400	1.2	217.0	2.7	86.1	0.30	0.23
33157	Core	3.0	46.1	404	23.3	0.003	4.37	15.9	0.981	1.0	194.3	2.6	80.5	0.37	0.24
33158	Core	4.0	45.3	384	22.9	0.004	3.46	16.3	0.700	1.2	197.9	2.6	74.6	0.41	0.25
33159	Core	3.7	49.0	316	31.7	0.002	5.02	16.7	0.932	1.3	201.3	2.7	84.9	0.38	0.29
33160	Core	2.8	46.8	393	31.4	0.003	4.45	16.9	0.721	1.2	199.0	2.5	85.4	0.32	0.16
33161	Core	2.7	48.7	421	29.1	0.004	5.18	16.3	1.053	1.1	207.6	2.7	84.1	0.31	0.15
33162	Core	1.9	44.2	237	26.5	0.007	4.65	17.1	0.834	1.4	209.9	2.6	94.0	0.23	0.24
33163	Core	3.6	50.1	433	36.5	0.008	5.18	17.0	0.891	1.4	200.5	2.6	79.5	0.36	0.28
33164	Core	2.6	45.6	320	31.3	<0.002	2.09	17.7	0.316	<1.0	205.7	2.7	85.2	0.28	0.25
33165	Core	3.2	45.9	242	24.9	0.002	4.21	17.6	0.565	1.4	212.2	2.8	78.9	0.34	0.26
33166	Core	3.5	47.8	325	36.0	0.004	6.39	17.8	0.902	1.9	209.3	2.8	84.6	0.32	0.32
33167	Core	4.7	50.8	294	28.7	0.004	5.89	18.7	0.747	1.4	224.9	2.9	70.0	0.45	0.31
33168	Core	3.3	40.7	325	15.8	0.002	1.91	14.8	0.227	<1.0	179.0	2.5	49.3	0.34	0.19
33169	Core	0.9	10.9	85	52.1	<0.002	1.13	2.6	0.429	<1.0	36.9	3.4	8.5	0.08	0.07
33170	Core	0.8	16.1	362	38.6	<0.002	3.47	4.4	1.079	<1.0	74.8	7.1	15.1	0.09	0.17
33171	Core	1.0	15.1	82	21.9	0.002	0.89	5.0	0.135	<1.0	56.7	1.7	14.1	0.10	0.09
33172	Core	1.4	13.6	66	19.6	<0.002	1.54	4.1	0.312	<1.0	64.4	1.8	14.2	0.12	0.17
33173	Core	0.9	10.2	68	15.8	<0.002	0.76	2.8	0.043	1.0	41.2	0.7	10.7	0.09	0.13
33174	Core	0.9	13.7	86	17.4	<0.002	1.68	3.8	0.232	<1.0	49.8	1.0	19.7	0.10	0.10
33175	Core	1.0	14.2	84	17.8	<0.002	1.63	4.2	0.209	<1.0	53.0	1.3	21.7	0.10	0.16
33176	Core	0.3	4.5	126	5.9	0.004	0.17	<0.1	0.019	1.4	2.8	0.3	41.9	0.19	0.16
33177	Core	0.9	11.8	57	12.9	<0.002	3.79	3.1	0.418	<1.0	54.3	5.2	16.7	0.09	0.07
33178	Core	1.1	9.7	74	4.6	0.010	4.76	2.8	0.228	1.7	71.5	23.3	10.3	0.25	0.23
33179	Core	1.2	26.4	114	49.9	0.005	6.83	6.8	1.050	1.1	89.7	9.5	53.8	0.18	0.27
33180	Core	0.4	6.5	11	25.2	0.004	5.54	0.5	0.706	1.6	12.8	1.4	13.3	<0.05	0.16
33181	Core	0.3	5.4	<10	40.5	0.003	6.70	0.2	0.433	9.3	16.6	0.8	7.6	<0.05	0.36
33182	Core	0.5	9.5	15	40.0	0.004	6.06	0.9	0.649	2.9	31.0	1.1	13.8	0.06	0.18
33183	Core	1.0	14.0	41	48.9	0.005	4.45	2.8	1.022	7.0	67.1	1.8	33.5	0.11	0.19

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Certificate of Analysis

12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33184	Core	0.9	15.0	60	23.5	0.003	7.39	2.2	2.516	3.3	60.5	2.6	38.9	0.11	0.18
33185	Core	0.8	7.6	58	16.7	0.003	1.73	1.1	0.412	5.0	22.6	1.4	8.6	0.08	0.13
33186	Core	0.6	10.1	159	15.1	0.003	2.54	1.0	0.562	6.3	23.4	0.8	17.0	0.07	0.08
33187	Core	1.4	15.3	870	23.0	0.005	3.95	6.2	1.209	4.5	102.0	4.6	80.5	0.14	0.12
33188	Core	1.5	38.7	462	87.6	0.004	10.30	10.0	2.784	3.1	139.3	3.2	57.0	0.16	0.22
33189	Core	2.0	40.7	249	64.0	0.003	1.52	12.4	0.693	1.4	157.4	2.3	48.1	0.21	0.10
33190	Core	2.3	41.0	254	17.8	0.003	1.45	14.3	0.214	1.8	174.9	2.3	54.5	0.25	0.19
33191	Core	1.0	22.7	552	22.1	0.005	12.38	2.0	3.302	3.2	39.4	2.5	43.1	0.10	0.17
33192	Core	0.7	8.5	148	21.2	<0.002	1.52	1.2	0.728	8.6	35.8	2.1	17.4	0.08	0.12
33193	Core	0.6	10.8	138	17.3	<0.002	3.46	1.2	0.630	3.4	28.5	1.5	15.6	0.07	0.15
33194	Core	0.9	15.3	264	17.1	<0.002	2.67	3.4	0.958	4.5	65.5	3.0	30.7	0.08	0.15
33195	Core	2.2	38.0	207	20.9	<0.002	2.07	12.7	1.016	1.2	162.9	2.8	43.5	0.19	0.20

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-191

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33144	Core	8.1	0.015	0.17	1.5	23	1.1	3.4	25	48.8
33145	Core	5.7	0.014	0.14	1.2	21	1.0	3.0	24	37.2
33146	Core	10.7	0.053	0.43	2.3	67	0.8	5.9	55	69.9
33147	Core	14.3	0.094	0.99	3.4	115	1.0	8.4	105	95.5
33148	Core	15.4	0.133	1.17	3.8	134	0.8	6.3	97	88.9
33149	Core	13.4	0.119	1.19	3.7	136	1.0	5.9	105	94.0
33150	Core	10.9	0.093	0.86	2.9	105	0.8	5.0	90	81.9
33151	Core	6.4	0.065	0.43	1.6	58	0.9	2.6	41	44.2
33152	Core	13.3	0.114	0.97	3.3	122	1.5	5.3	97	90.1
33153	Core	13.6	0.137	1.23	3.9	137	1.0	5.5	113	97.4
33154	Core	14.7	0.124	1.25	4.1	137	1.1	6.3	112	97.9
33155	Core	11.2	0.093	0.98	3.3	129	0.9	6.2	106	87.2
33156	Core	13.2	0.102	1.23	4.2	143	0.5	7.4	111	104.3
33157	Core	13.6	0.117	1.18	4.1	146	0.9	5.9	111	95.3
33158	Core	14.8	0.148	1.13	4.4	147	0.9	7.1	116	103.9
33159	Core	13.7	0.133	1.16	4.2	147	0.9	6.1	111	97.7
33160	Core	13.0	0.111	1.15	4.2	142	0.6	6.3	111	99.1
33161	Core	11.8	0.107	1.36	4.2	142	0.5	5.8	108	100.0
33162	Core	11.5	0.083	1.24	3.8	143	0.6	5.2	103	88.0
33163	Core	15.2	0.133	1.21	4.3	144	0.7	6.6	108	102.3
33164	Core	16.1	0.102	1.21	4.2	148	0.7	6.3	108	91.9
33165	Core	14.4	0.122	1.32	4.1	145	0.9	5.2	110	96.7
33166	Core	13.7	0.120	1.15	3.7	135	1.1	6.8	105	96.0
33167	Core	17.1	0.157	1.32	4.8	146	1.5	6.4	126	110.7
33168	Core	17.9	0.125	1.06	4.4	123	2.8	8.2	100	125.6
33169	Core	7.4	0.032	0.28	1.2	28	2.3	3.6	99	55.3
33170	Core	9.8	0.040	0.66	1.6	43	2.5	5.9	54	76.2
33171	Core	9.7	0.040	0.37	1.6	43	2.2	4.6	96	69.6
33172	Core	9.5	0.048	0.39	1.8	42	2.1	4.9	42	78.4
33173	Core	8.0	0.033	0.25	1.2	28	1.5	3.9	35	58.4
33174	Core	7.8	0.037	0.32	1.4	40	2.3	3.7	58	53.8
33175	Core	8.7	0.039	0.32	1.5	42	2.2	3.8	53	54.4
33176	Core	0.4	<0.005	0.04	0.6	303	0.2	0.8	17	1.1
33177	Core	8.6	0.034	0.32	1.4	35	4.2	3.3	53	53.6
33178	Core	11.7	0.034	0.38	1.6	33	3.5	3.3	20	66.6
33179	Core	10.2	0.042	0.57	2.3	61	8.7	3.7	57	55.0
33180	Core	2.0	0.011	0.15	0.5	11	2.6	0.8	29	14.7
33181	Core	2.2	0.006	0.12	0.3	6	0.9	0.7	26	14.7
33182	Core	6.0	0.015	0.22	0.9	17	2.2	1.8	54	37.7
33183	Core	15.4	0.030	0.43	2.1	39	4.2	4.7	52	91.8

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Certificate of Analysis

12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33184	Core	10.1	0.028	0.61	1.7	34	4.0	3.7	34	70.3
33185	Core	6.7	0.022	0.15	0.9	17	1.6	2.2	20	40.9
33186	Core	6.7	0.019	0.16	0.9	17	1.9	2.6	22	44.4
33187	Core	14.0	0.052	0.69	2.9	60	5.1	7.2	59	82.7
33188	Core	12.8	0.062	0.03	3.0	82	5.4	5.8	84	74.6
33189	Core	14.8	0.074	0.92	3.2	112	3.9	7.6	154	94.9
33190	Core	16.4	0.091	1.04	3.5	124	3.9	8.2	106	103.8
33191	Core	7.6	0.029	0.86	1.6	26	5.0	4.0	37	49.1
33192	Core	7.6	0.022	0.23	1.0	20	2.7	2.5	28	43.0
33193	Core	8.2	0.020	0.19	1.2	21	2.6	2.7	37	49.4
33194	Core	8.8	0.031	0.38	1.4	37	3.3	4.1	33	58.1
33195	Core	14.2	0.086	0.96	3.1	111	6.0	7.9	84	108.2

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12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33144	Core				0.01	28.84	1.7	13.2	2.02	99.0	84	0.55	0.15	0.48	0.22
33144 Dup					0.04	27.76	1.8	13.1	2.05	107.5	80	0.63	0.12	0.49	0.19
QCV1207-01647-0002-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-DS-1 expected					0.47				4.48	6930.0	221				
STD-DS-1 result					0.35				4.23	6939.5	212				
33162	Core				<0.01	17.31	2.4	9.6	>10	19.1	980	2.64	0.44	0.93	0.06
33162 Dup					<0.01	45.03	2.4	25.6	>10	18.6	949	2.98	0.43	0.90	0.06
QCV1207-01647-0005-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-OREAS92-4A expected					0.70										
STD-OREAS92-4A result					0.93	89.70	3.7	46.5	7.82	6.6	433			0.49	0.05
33180	Core				0.20	9.59	0.3	4.8	1.09	4198.1	36	0.18	0.34	0.01	0.21
33180 Dup					0.23	9.91	0.3	5.0	1.07	4161.0	36	0.24	0.36	0.01	0.22
QCV1207-01647-0008-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-OREAS92-4A expected					0.70								2.44		
STD-OREAS92-4A result					0.70	96.21	3.9	47.0	8.10		445	3.04	2.46	0.50	0.05
QCV1207-01647-0010-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-OREAS92-4A expected					0.70								2.44		
STD-OREAS92-4A result					0.65	96.28	3.6	46.7	7.66		420	3.36	2.42	0.47	0.05
33144	Core			<0.1											
33144 Dup				<0.1											
QCV1207-01648-0002-BLK				<0.1											
STD-Oreas501 expected				0.7											
STD-Oreas501 result				0.6											
33162	Core			<0.1											
33162 Dup				<0.1											
QCV1207-01648-0005-BLK				<0.1											
STD-DS-1 expected				0.5											
STD-DS-1 result				<0.1											
33180	Core			<0.1											
33180 Dup				0.1											
QCV1207-01648-0008-BLK				<0.1											
STD-OREAS 902-AR expected				0.3											
STD-OREAS 902-AR result				<0.1											
QCV1207-01648-0010-BLK				<0.1											
STD-OREAS 902-AR expected				0.3											
STD-OREAS 902-AR result				<0.1											
33144	Core		0.088												
33144 Dup			0.087												
QCV1207-01649-0002-BLK			<0.005												
33170	Core		0.025												
33170 Dup			0.027												

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Certificate of Analysis

12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
STD-OxJ95 expected			2.337												
STD-OxJ95 result			2.167												
QCV1207-01649-0005-BLK			<0.005												
QCV1207-01649-0006-BLK			<0.005												
STD-Oxi96 expected			1.802												
STD-Oxi96 result			1.716												

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12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33144	Core	3.5	136	1.38	15.4	1.04	4.82	1.09	0.01	0.50	37.4	0.22	300	0.58	0.29
33144 Dup		3.4	154	1.34	14.3	1.06	4.87	1.03	0.01	0.51	35.5	0.23	300	0.57	0.30
QCV1207-01647-0002-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-DS-1 expected		9.5			27.1							2.76	437		
STD-DS-1 result		9.7			29.7							2.71	447		
33162	Core	18.5	81	6.50	56.2	4.77	29.47	1.29	0.08	4.30	74.9	1.23	776	0.70	0.30
33162 Dup		17.6	82	6.43	53.8	4.63	28.55	1.42	0.08	4.16	73.2	1.18	759	0.67	0.28
QCV1207-01647-0005-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected		16.3			2294.0										
STD-OREAS92-4A result		17.2		7.08	2221.6	4.33	21.14		0.34	2.91	26.7	1.52		0.45	0.50
33180	Core	2.1	184	2.33	5.6	0.98	3.04	2.84	0.02	0.20	17.8	0.05	18	0.86	0.02
33180 Dup		2.2	195	2.45	5.3	0.98	3.04	3.07	0.02	0.20	18.0	0.05	18	0.87	0.02
QCV1207-01647-0008-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected		16.3			2294.0										
STD-OREAS92-4A result		17.2		7.42	2296.2	4.38	21.37		0.35	2.99	26.5	1.56		0.39	0.50
QCV1207-01647-0010-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected		16.3			2294.0										
STD-OREAS92-4A result		15.2		7.53	2159.3	4.18	19.85		0.35	2.85	25.9	1.48		0.38	0.48

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12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33144	Core	0.9	8.6	141	24.7	<0.002	0.89	1.5	0.254	<1.0	27.4	1.4	31.4	0.18	0.11
33144 Dup		0.7	7.8	143	25.2	0.004	0.80	1.5	0.260	<1.0	26.1	1.4	31.5	0.13	0.10
QCV1207-01647-0002-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-DS-1 expected			48.7	340	13.8										
STD-DS-1 result			49.8	301	12.9										
33162	Core	1.9	44.2	237	26.5	0.007	4.65	17.1	0.834	1.4	209.9	2.6	94.0	0.23	0.24
33162 Dup		2.8	43.9	245	25.3	0.003	4.38	16.7	0.808	<1.0	197.8	2.6	90.4	0.28	0.30
QCV1207-01647-0005-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected												10.6			
STD-OREAS92-4A result		14.3	42.4	635				13.4			203.7	11.6	33.5		0.14
33180	Core	0.4	6.5	11	25.2	0.004	5.54	0.5	0.706	1.6	12.8	1.4	13.3	<0.05	0.16
33180 Dup		0.5	6.6	<10	26.0	0.003	5.59	0.6	0.695	5.8	13.0	1.4	14.2	<0.05	0.26
QCV1207-01647-0008-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected												10.6			
STD-OREAS92-4A result		14.2	40.6	632				13.7			205.4	11.0	35.9		0.15
QCV1207-01647-0010-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected												10.6			
STD-OREAS92-4A result		13.7	37.5	606				13.3			202.5	10.8	34.2	1.03	0.20

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Certificate of Analysis

12-360-04880-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33144	Core	8.1	0.015	0.17	1.5	23	1.1	3.4	25	48.8
33144 Dup		8.3	0.019	0.17	1.5	24	1.2	3.5	22	57.0
QCV1207-01647-0002-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected									206	
STD-DS-1 result									198	
33162	Core	11.5	0.083	1.24	3.8	143	0.6	5.2	103	88.0
33162 Dup		13.0	0.104	1.21	3.8	139	0.7	5.6	101	90.0
QCV1207-01647-0005-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		17.4			3.4		2.6		90	116.6
33180	Core	2.0	0.011	0.15	0.5	11	2.6	0.8	29	14.7
33180 Dup		2.1	0.011	0.14	0.4	11	2.6	0.8	28	12.3
QCV1207-01647-0008-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		17.5		1.05	3.5		2.8	26.6	90	120.6
QCV1207-01647-0010-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		16.6			3.3		2.6	25.5	84	

Certificate of Analysis

12-360-04880-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-002**
Client Reference: **Core-12-002**
Description: **3 ACE**

Date Received: 08/20/2012
Date Completed: 08/28/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	9	Core	

Location	Quantity	Method	Description
Vancouver, BC	9	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04880-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33178	Core	0.24	0.23	0.26	0.17	502.20	9.46	511.66
33179	Core	7.56	6.17	6.91	44.39	495.09	13.65	508.74
33180	Core	2.65	1.91	1.64	34.34	488.95	13.45	502.40
33181	Core	1.68	1.09	0.96	15.48	477.57	22.74	500.30
33182	Core	0.68	0.63	0.62	1.35	466.30	39.83	506.13
33183	Core	1.85	1.50	1.27	8.58	468.75	32.37	501.12
33184	Core	2.16	1.24	1.60	14.12	484.25	29.84	514.09
33185	Core	0.12	0.10	0.10	0.49	474.26	23.45	497.71
33186	Core	0.10	0.08	0.10	0.30	484.67	30.41	515.08

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Certificate of Analysis

12-360-04880-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1208-01371-0001-BLK		<0.01						29.17
QCV1208-01371-0002-BLK		<0.01						29.17
STD-OxJ95 expected		2.34						
STD-OxJ95 result		2.28						

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Certificate of Analysis

12-360-04880-03

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
EMail: cbuchanan@northern-tiger.com

Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-002**
Client Reference: **Core-12-002**
Description: **3 ACE**

Date Received: 10/19/2012
Date Completed: 10/24/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	9	Core	

Location	Quantity	Method	Description
Vancouver, BC	9	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-201

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Certificate of Analysis

12-360-04880-03

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33187	Core	0.29	0.29	0.30	0.24	504.28	11.28	515.56
33188	Core	0.39	0.40	0.37	0.40	542.59	14.83	557.42
33189	Core	0.09	0.08	0.10	0.09	560.56	6.52	567.07
33190	Core	0.02	0.02	0.02	0.02	519.65	12.05	531.70
33191	Core	0.31	0.30	0.32	0.25	499.02	11.66	510.68
33192	Core	0.44	0.44	0.35	2.91	521.58	9.62	531.20
33193	Core	0.09	0.09	0.09	0.05	484.71	22.99	507.70
33194	Core	0.21	0.19	0.23	0.14	538.76	7.05	545.81
33195	Core	0.15	0.14	0.16	0.12	545.88	9.46	555.33

Vol 2-202

INSPECTORATE
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Certificate of Analysis

12-360-04880-03

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1210-01420-0001-BLK		<0.01						29.17
QCV1210-01420-0002-BLK		<0.01						29.17
STD-Oxi96 expected		1.80						
STD-Oxi96 result		1.80						

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Certificate of Analysis

12-360-04882-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
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Attention: Dennis Ouellette
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Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-003**
Client Reference: **Core-12-003**
Description: **3 ACE**

Date Received: 07/23/2012
Date Completed: 07/30/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	45	Core	
Whitehorse, YT	1	Pulp	

Location	Quantity	Method	Description
Vancouver, BC	2	Au-1AT-GV	Au, 1AT, Gravimetric
Vancouver, BC	46	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	46	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	46	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-204

INSPECTORATE
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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-205

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33196	Core		0.028	<0.1	<0.01	26.75	2.8	12.9	9.41	65.8	606	2.64	0.23	0.16	0.11
33197	Core		0.054	<0.1	<0.01	31.99	2.6	17.2	7.07	79.2	358	2.07	0.22	0.11	0.03
33198	Core		0.094	0.1	<0.01	32.06	2.9	17.4	>10	247.1	875	3.42	0.39	0.16	0.08
33199	Core		0.360	0.4	0.28	18.79	1.5	9.5	6.00	2597.6	325	1.97	0.78	0.68	2.67
33200	Core		1.471	0.5	0.44	47.96	3.1	25.4	7.56	5949.1	472	2.05	0.39	0.45	0.82
33201	Core		4.826	0.8	0.62	60.55	2.2	33.3	8.35	5939.0	592	3.20	1.15	0.63	3.85
33202	Core		2.101	0.3	0.27	21.44	1.4	11.4	4.34	4450.9	192	1.36	0.30	0.73	1.09
33203	Core		1.018	0.3	0.18	34.59	1.4	17.2	4.03	2847.4	226	1.47	0.16	0.97	1.38
33204	Core		0.399	0.2	0.22	48.22	3.0	28.1	>10	1489.6	790	3.40	0.41	0.24	0.14
33205	Core		0.057	<0.1	<0.01	21.81	1.8	12.0	7.27	150.1	455	2.36	0.26	0.36	0.30
33206	Core		0.107	0.1	<0.01	28.58	2.7	16.4	>10	83.3	677	3.02	0.44	0.15	0.08
33207	Core		0.136	0.1	<0.01	34.95	1.7	18.2	6.29	275.0	415	2.17	0.22	0.32	0.74
33208	Core		2.320	0.5	0.38	25.42	2.1	15.4	8.27	9400.7	666	3.32	0.23	0.92	1.56
33209	Core		1.781	0.2	<0.01	10.44	0.4	4.9	0.98	6260.3	20	0.11	0.21	0.76	0.56
33210	Core		0.630	0.1	<0.01	16.57	0.7	7.8	1.52	3975.1	44	0.58	0.04	0.71	0.10
33211	Core		3.454	<0.1	<0.01	22.34	1.4	11.0	3.40	6823.7	176	1.05	0.10	0.78	0.53
33212	Core		0.287	<0.1	<0.01	38.24	1.9	19.3	6.74	1760.4	564	2.73	0.13	0.57	0.03
33213	Pulp		1.480	<0.1	0.71	19.94	1.6	9.5	6.82	9.9	503	0.92	0.17	2.79	0.22
33214	Core		0.214	<0.1	0.05	27.56	2.3	15.2	7.55	1718.8	632	3.17	0.17	0.42	0.08
33215	Core	12.104	>10	1.0	0.82	25.98	2.6	14.6	>10	7911.3	722	3.88	0.19	0.74	0.09
33216	Core	21.346	>10	1.6	1.60	47.14	2.0	24.2	3.71	>10000	186	0.79	0.54	2.93	0.98
33217	Core		2.578	0.3	0.20	53.25	4.0	29.6	>10	4071.9	1067	4.86	0.20	0.66	0.16
33218	Core		1.573	0.5	0.14	45.99	3.0	24.7	>10	1380.0	954	4.76	0.23	0.52	0.24
33219	Core		0.916	0.2	0.05	45.19	2.7	25.2	>10	1311.5	840	4.08	0.62	0.65	0.09
33220	Core		0.676	0.3	0.29	42.32	2.7	23.3	>10	174.9	557	4.34	0.89	0.31	0.11
33221	Core		1.653	0.5	0.24	41.21	2.1	22.8	8.52	4294.0	434	3.41	0.75	1.37	0.16
33222	Core		0.514	0.4	0.36	42.32	2.3	23.4	9.89	688.8	737	4.12	0.63	1.06	0.06
33223	Core		1.328	0.9	0.82	31.54	2.2	19.2	9.88	850.1	724	3.53	0.79	0.87	0.16
33224	Core		1.048	1.0	0.93	56.94	2.6	34.9	>10	281.3	871	4.52	0.67	0.54	0.90
33225	Core		0.451	1.7	1.60	48.38	2.3	27.3	>10	324.8	686	3.07	1.15	0.77	7.71
33226	Core		0.291	0.9	0.73	40.85	2.0	23.7	9.83	299.0	667	3.25	0.71	1.28	13.95
33227	Core		0.292	0.5	0.35	44.61	3.7	27.3	>10	277.6	1080	3.89	1.03	0.22	1.44
33228	Core		0.411	0.2	<0.01	27.89	1.1	11.7	1.48	1014.2	53	0.31	0.21	0.51	1.29
33229	Core		0.166	0.1	<0.01	29.40	1.6	13.7	3.03	391.1	136	0.67	0.13	0.07	0.67
33230	Core		0.200	0.1	0.45	32.68	1.3	16.0	2.57	260.8	103	0.78	0.29	0.17	1.19
33231	Core		0.009	<0.1	0.05	38.61	2.9	20.9	>10	43.3	653	3.01	0.37	0.16	0.06
33232	Core		<0.005	<0.1	<0.01	46.92	3.2	24.3	9.36	26.7	560	2.03	0.30	0.18	0.05
33233	Core		0.005	<0.1	<0.01	26.89	1.1	11.3	1.57	13.6	38	0.19	0.08	0.08	0.33
33234	Core		<0.005	<0.1	0.02	26.61	2.3	11.7	2.20	17.1	54	0.58	0.07	0.06	0.44
33235	Core		<0.005	<0.1	<0.01	26.41	2.1	13.2	5.10	24.6	293	1.56	0.19	0.08	0.05

INSPECTORATE
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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33236	Core		<0.005	<0.1	0.15	25.08	1.6	12.3	2.79	17.6	114	0.74	0.11	0.05	0.04
33237	Core		0.034	0.1	<0.01	28.54	2.3	14.5	6.86	191.8	427	2.04	0.26	0.07	0.57
33238	Core		0.138	2.1	1.84	20.01	1.1	8.9	1.61	1382.0	46	0.31	0.20	0.05	14.80
33239	Core		0.203	0.2	0.09	26.11	1.5	12.3	2.82	782.2	124	0.81	0.18	0.08	1.82
33240	Core		0.660	0.4	0.17	36.40	2.4	17.8	4.32	2201.4	165	1.36	0.14	0.69	1.73
33241	Core		0.474	0.3	0.16	36.75	1.7	19.3	6.02	1125.8	332	2.15	0.30	0.59	1.93

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Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-207

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33196	Core	15.7	157	10.90	53.7	4.64	28.33	1.23	0.06	3.22	39.2	0.86	530	0.46	0.20
33197	Core	11.6	113	9.20	37.5	4.87	18.84	1.10	0.05	2.20	79.6	1.01	575	0.36	0.15
33198	Core	14.7	137	16.06	59.8	4.13	32.47	1.16	0.08	4.94	18.3	0.94	350	0.51	0.24
33199	Core	20.2	146	6.63	50.9	3.44	17.59	1.37	0.08	1.84	22.9	0.69	837	0.57	0.08
33200	Core	13.7	183	9.89	42.4	3.80	25.14	1.83	0.06	2.65	32.3	0.70	680	0.58	0.13
33201	Core	14.4	169	11.84	66.8	4.37	27.29	1.75	0.15	3.37	13.9	0.86	669	0.52	0.15
33202	Core	7.1	162	5.97	28.9	2.27	12.89	1.54	0.05	1.15	32.4	0.45	503	0.48	0.06
33203	Core	5.3	176	3.33	26.2	2.29	11.52	1.14	0.05	1.21	15.7	0.63	768	0.46	0.29
33204	Core	17.1	146	8.43	204.8	5.04	32.49	1.67	0.10	4.19	25.2	1.02	502	0.47	0.17
33205	Core	9.9	192	5.38	38.8	3.85	19.30	1.08	0.05	2.41	35.7	0.82	453	0.57	0.32
33206	Core	27.9	201	7.57	51.9	4.09	27.04	1.38	0.07	3.83	35.5	0.79	357	0.75	0.20
33207	Core	8.4	199	4.18	48.4	4.14	18.18	1.46	0.05	2.28	28.9	0.61	497	0.51	0.10
33208	Core	10.4	275	5.41	37.4	3.05	32.01	1.81	0.09	3.48	29.3	0.68	767	0.76	0.14
33209	Core	1.9	230	0.50	16.9	1.36	2.12	1.60	0.02	0.10	7.4	0.26	438	0.62	<0.01
33210	Core	2.4	240	0.83	9.9	1.32	4.39	1.61	0.02	0.23	12.5	0.27	434	0.48	0.01
33211	Core	5.8	195	1.85	28.9	2.53	11.07	1.37	0.03	0.99	27.6	0.48	571	0.55	0.05
33212	Core	8.2	251	4.66	39.8	3.35	23.80	1.69	0.05	2.69	31.0	0.71	355	0.63	0.11
33213	Pulp	11.6	67	1.12	73.4	4.61	14.54	0.93	0.05	0.92	15.9	1.48	799	9.52	2.29
33214	Core	11.5	233	5.30	68.5	3.68	24.95	1.64	0.05	3.04	47.9	0.74	320	0.61	0.12
33215	Core	13.2	210	6.96	112.3	5.22	34.85	1.57	0.07	3.43	60.0	0.94	477	0.61	0.36
33216	Core	8.9	218	2.08	50.2	5.72	11.41	1.51	0.14	0.90	48.6	1.12	1001	0.88	0.79
33217	Core	13.4	144	10.37	137.2	6.76	47.23	1.63	0.11	5.35	78.9	1.53	557	0.74	0.37
33218	Core	13.0	166	9.96	122.8	6.30	41.53	1.77	0.11	4.65	53.3	1.48	536	0.67	0.54
33219	Core	18.1	175	11.33	63.5	5.35	34.95	1.40	0.09	4.51	83.7	1.13	633	1.50	0.41
33220	Core	17.5	132	11.42	66.9	5.15	34.37	1.39	0.08	3.92	48.1	0.85	480	2.78	0.49
33221	Core	14.8	180	9.27	53.9	5.23	28.56	1.31	0.08	3.17	75.3	1.03	964	2.47	0.40
33222	Core	15.9	201	10.87	50.9	4.80	30.81	1.34	0.07	3.61	75.7	1.02	781	1.45	0.63
33223	Core	17.5	201	12.10	61.1	5.31	32.71	1.37	0.07	3.62	52.3	1.01	535	1.20	0.39
33224	Core	17.3	160	16.97	53.4	5.11	34.80	1.63	0.10	4.29	54.1	0.93	454	1.06	0.35
33225	Core	15.8	187	12.45	36.6	5.34	27.16	1.50	0.21	4.08	23.0	0.78	982	1.17	0.25
33226	Core	14.9	170	10.75	54.3	4.99	29.95	1.59	0.31	3.84	42.9	0.99	1450	0.87	0.23
33227	Core	18.4	162	15.63	45.0	4.35	38.09	1.34	0.11	5.80	81.4	0.86	393	0.64	0.37
33228	Core	3.9	251	1.15	16.7	1.30	3.44	0.74	0.04	0.36	12.7	0.22	282	0.72	0.02
33229	Core	4.2	224	2.36	18.2	1.61	7.67	0.87	0.03	0.80	24.0	0.22	204	0.53	0.05
33230	Core	3.9	196	1.64	39.9	1.87	6.12	0.85	0.03	0.60	17.8	0.24	270	0.50	0.04
33231	Core	15.2	164	7.96	59.0	4.42	26.09	1.00	0.06	3.63	38.4	0.71	313	0.53	0.27
33232	Core	13.7	186	6.82	46.5	3.94	23.30	1.06	0.05	3.12	38.0	0.67	325	0.58	0.25
33233	Core	3.6	221	0.84	19.9	1.14	3.39	0.51	0.01	0.24	18.8	0.08	226	0.52	0.02
33234	Core	3.0	212	1.04	16.9	1.40	4.66	0.70	0.02	0.28	12.9	0.13	314	0.52	0.02
33235	Core	10.1	239	3.76	32.1	2.46	13.94	0.67	0.03	1.49	22.2	0.32	407	0.56	0.12

INSPECTORATE
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Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33236	Core	3.8	220	2.01	19.0	1.71	6.99	0.77	0.01	0.60	89.5	0.26	321	0.55	0.07
33237	Core	13.4	240	6.05	41.6	2.49	19.72	0.86	0.05	2.27	24.0	0.39	333	0.84	0.18
33238	Core	3.3	242	1.11	26.1	1.35	3.70	0.95	0.28	0.34	25.0	0.08	181	0.57	0.03
33239	Core	4.3	230	2.40	22.9	1.88	7.88	1.00	0.04	0.70	25.4	0.22	416	0.60	0.05
33240	Core	5.8	200	3.16	37.6	2.18	11.82	1.31	0.05	0.90	68.5	0.41	539	0.54	0.05
33241	Core	9.9	225	6.38	43.3	3.17	17.45	1.16	0.07	1.75	38.4	0.49	648	0.89	0.14

Vol 2-208

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Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-209

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33196	Core	5.1	38.7	270	17.5	0.003	1.49	13.0	0.461	1.8	176.7	2.4	56.2	0.36	<0.05
33197	Core	3.6	31.4	202	24.6	0.004	1.42	8.4	0.210	1.3	118.5	1.4	39.7	0.28	<0.05
33198	Core	5.4	42.8	606	17.3	0.007	2.95	17.4	0.582	1.6	257.1	2.7	88.3	0.46	0.09
33199	Core	2.2	25.5	281	160.3	0.005	4.85	7.6	1.307	<1.0	99.8	2.2	96.5	0.16	0.13
33200	Core	3.7	37.5	334	115.0	0.010	6.33	10.8	1.590	1.3	139.9	3.3	89.4	0.56	0.22
33201	Core	3.0	38.0	180	88.3	0.009	6.63	12.1	1.904	2.5	185.2	5.8	111.3	0.36	0.07
33202	Core	1.7	16.8	57	69.2	0.006	4.96	5.6	1.195	2.4	62.2	3.1	86.6	0.18	0.10
33203	Core	2.1	15.2	112	89.9	0.008	3.38	4.7	0.806	2.4	60.8	1.5	96.1	0.17	<0.05
33204	Core	4.7	45.7	437	15.6	0.009	2.89	16.1	0.367	1.1	213.6	2.7	71.9	0.42	<0.05
33205	Core	2.9	29.9	169	10.3	0.004	1.71	9.8	0.452	1.4	121.9	1.8	65.4	0.33	<0.05
33206	Core	4.6	49.3	250	43.8	0.006	7.80	14.5	0.886	1.7	194.3	2.3	64.6	0.46	0.25
33207	Core	2.3	34.5	134	27.7	0.006	2.23	8.3	1.041	<1.0	114.9	1.6	55.4	0.22	<0.05
33208	Core	2.6	34.3	149	94.4	0.004	8.02	12.8	1.053	2.7	170.2	3.5	102.2	0.27	<0.05
33209	Core	0.5	7.9	17	41.0	<0.002	5.79	1.0	0.464	1.6	4.8	0.5	48.4	<0.05	0.06
33210	Core	0.9	9.5	22	16.6	0.006	4.06	1.8	0.381	<1.0	12.3	0.7	57.2	<0.05	<0.05
33211	Core	1.5	18.3	30	48.5	0.004	6.31	4.6	0.887	<1.0	47.7	1.7	73.4	0.12	<0.05
33212	Core	2.8	29.7	171	12.7	0.006	2.80	10.6	0.287	1.1	124.8	2.7	93.1	0.22	<0.05
33213	Pulp	4.5	38.2	684	12.9	0.011	2.60	15.8	0.040	1.2	24.6	2.1	285.8	0.29	<0.05
33214	Core	3.0	35.1	180	14.4	0.006	3.04	11.4	0.320	3.2	143.9	2.5	80.1	0.26	0.07
33215	Core	2.6	50.6	141	14.2	0.003	7.77	15.8	1.184	2.2	162.7	3.2	139.1	0.23	<0.05
33216	Core	1.7	32.5	157	203.1	0.005	26.47	8.1	1.875	3.1	44.6	1.4	364.0	0.18	0.20
33217	Core	3.7	59.1	361	18.7	0.002	6.38	21.3	0.613	1.7	244.7	4.2	160.8	0.39	<0.05
33218	Core	3.5	57.5	150	23.3	0.004	3.64	18.8	0.680	<1.0	226.7	3.6	150.9	0.36	0.07
33219	Core	4.1	49.6	153	39.8	0.004	8.79	16.6	2.161	1.3	218.1	3.3	160.4	0.36	0.07
33220	Core	3.5	46.4	142	53.4	0.008	16.02	15.9	3.222	2.1	209.3	3.2	121.7	0.32	0.18
33221	Core	1.6	37.6	148	59.3	0.008	15.33	13.2	3.090	3.1	169.2	4.2	195.1	0.15	0.11
33222	Core	1.8	40.6	141	34.3	0.006	10.30	14.6	2.563	2.3	196.1	3.0	178.5	0.17	0.14
33223	Core	1.1	48.9	72	51.5	0.003	14.23	15.2	4.064	1.3	195.2	3.1	201.2	0.12	0.09
33224	Core	2.4	46.5	158	116.0	0.004	12.99	17.8	3.669	1.2	239.3	4.1	184.5	0.22	0.15
33225	Core	1.8	41.3	202	832.9	0.006	7.48	14.9	4.796	2.3	206.9	13.7	147.9	0.17	<0.05
33226	Core	1.6	42.1	143	344.9	0.003	5.60	13.8	4.217	1.1	193.3	11.5	202.4	0.18	<0.05
33227	Core	6.1	50.9	225	121.9	0.004	4.45	20.8	2.446	1.7	275.8	12.4	138.3	0.58	0.12
33228	Core	1.2	9.4	417	80.1	0.003	1.76	1.6	0.539	1.7	19.9	2.5	33.9	0.10	<0.05
33229	Core	1.6	12.2	94	28.3	0.003	1.33	3.0	0.623	1.2	41.8	2.0	31.2	0.12	<0.05
33230	Core	0.8	11.0	81	55.5	<0.002	1.15	2.6	0.663	1.3	29.8	1.2	24.8	0.08	<0.05
33231	Core	2.5	42.0	265	17.8	0.004	2.60	14.4	0.306	2.2	173.8	2.4	72.4	0.24	<0.05
33232	Core	2.7	36.5	275	14.8	0.004	3.01	12.4	0.299	1.2	148.5	2.1	68.3	0.26	0.06
33233	Core	0.8	9.3	178	52.5	0.003	0.72	1.3	0.167	3.0	11.4	0.7	7.3	0.08	<0.05
33234	Core	1.1	7.9	105	42.3	0.009	0.75	1.9	0.144	1.2	14.3	0.9	14.4	0.25	<0.05
33235	Core	1.9	18.8	132	14.2	0.008	2.26	6.9	0.283	2.6	79.9	1.1	51.6	0.29	<0.05

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33236	Core	1.4	14.1	91	15.7	0.005	0.76	3.2	0.076	2.8	31.8	0.6	30.0	0.17	<0.05
33237	Core	2.1	25.7	150	61.1	0.008	3.36	8.4	0.441	2.1	116.5	1.7	67.5	0.27	<0.05
33238	Core	0.7	9.7	97	1240.8	0.007	2.96	1.4	0.698	4.2	17.6	4.5	18.0	0.07	<0.05
33239	Core	1.2	12.9	100	115.5	0.004	1.54	3.3	0.482	3.6	39.2	1.8	20.6	0.13	<0.05
33240	Core	1.3	15.0	49	99.5	0.008	2.98	4.6	0.797	2.8	51.1	1.9	67.4	0.14	<0.05
33241	Core	1.4	24.0	84	126.9	0.004	2.42	8.8	1.631	2.9	88.8	4.8	89.0	0.17	<0.05

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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33196	Core	16.5	0.110	0.97	3.9	126	3.7	8.0	118	107.1
33197	Core	13.1	0.089	0.66	2.5	101	3.0	6.5	94	85.1
33198	Core	20.3	0.134	1.35	5.0	153	6.8	8.5	107	97.0
33199	Core	10.7	0.054	0.60	2.2	76	4.9	4.9	257	54.4
33200	Core	15.8	0.082	0.83	3.2	107	9.1	8.8	162	74.0
33201	Core	15.0	0.083	1.02	3.0	123	7.1	6.4	304	69.9
33202	Core	8.5	0.046	0.40	1.8	62	6.3	4.4	98	45.1
33203	Core	9.5	0.048	0.35	2.0	61	3.1	4.7	133	49.0
33204	Core	18.3	0.124	1.07	4.0	153	5.9	8.0	121	101.5
33205	Core	11.9	0.086	0.68	2.5	96	3.5	5.2	132	61.9
33206	Core	17.3	0.114	1.06	3.7	130	3.4	6.6	89	87.6
33207	Core	10.5	0.070	0.67	2.2	80	3.6	4.4	140	50.6
33208	Core	14.4	0.086	0.91	3.1	133	5.4	5.8	228	67.1
33209	Core	2.2	0.014	0.05	0.4	16	1.5	1.8	54	12.4
33210	Core	4.3	0.017	0.09	0.7	24	1.4	2.9	19	29.6
33211	Core	8.0	0.038	0.27	1.4	63	2.9	4.3	66	53.0
33212	Core	14.0	0.078	0.68	3.0	105	5.4	5.3	60	64.1
33213	Pulp	2.4	0.361	0.21	1.0	189	1.0	16.3	78	41.5
33214	Core	15.3	0.085	0.80	3.6	114	5.7	5.4	77	74.9
33215	Core	17.9	0.090	0.86	4.0	163	6.2	6.5	138	92.8
33216	Core	12.2	0.052	0.26	2.4	82	5.3	9.5	771	68.1
33217	Core	25.3	0.143	1.34	6.0	238	6.7	8.9	237	136.0
33218	Core	18.7	0.132	1.21	4.5	208	5.8	7.2	319	105.6
33219	Core	16.3	0.145	1.25	3.6	175	6.4	6.2	127	88.3
33220	Core	13.9	0.125	1.18	3.6	161	6.0	5.1	100	91.0
33221	Core	12.9	0.092	0.06	2.8	159	4.8	5.9	125	70.0
33222	Core	13.7	0.097	0.04	2.9	154	4.1	6.1	91	79.3
33223	Core	14.0	0.081	0.03	3.1	163	4.3	5.1	119	76.0
33224	Core	16.9	0.121	0.03	3.9	164	6.0	6.5	188	90.6
33225	Core	15.5	0.093	0.04	3.6	134	5.7	6.8	629	79.8
33226	Core	13.8	0.095	0.04	3.0	149	7.3	7.3	1036	70.0
33227	Core	23.3	0.188	1.60	5.1	201	8.7	10.0	134	133.9
33228	Core	7.3	0.025	0.13	1.4	21	1.5	3.8	100	46.6
33229	Core	9.3	0.039	0.23	1.5	38	1.7	4.0	70	60.0
33230	Core	10.7	0.024	0.21	1.3	34	2.2	3.5	99	51.8
33231	Core	17.9	0.087	0.95	3.9	151	2.5	10.2	99	123.4
33232	Core	17.8	0.090	0.84	3.9	131	1.9	8.4	83	103.7
33233	Core	7.4	0.020	0.09	1.1	18	1.0	3.4	47	37.6
33234	Core	9.6	0.024	0.12	1.2	23	1.1	3.5	47	45.3
33235	Core	11.4	0.051	0.43	1.9	68	1.6	5.4	54	67.0

INSPECTORATE
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Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33236	Core	9.3	0.031	0.18	1.3	37	3.5	3.6	32	48.5
33237	Core	13.8	0.067	0.65	2.7	94	3.0	6.2	93	77.5
33238	Core	5.7	0.021	0.11	0.8	17	1.3	2.4	1133	32.0
33239	Core	9.1	0.035	0.20	1.4	36	2.5	4.0	148	52.9
33240	Core	14.8	0.038	0.26	2.0	56	4.2	6.1	164	78.7
33241	Core	13.0	0.056	0.50	2.2	83	6.3	5.0	159	57.6

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12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33196	Core				<0.01	26.75	2.8	12.9	9.41	65.8	606	2.64	0.23	0.16	0.11
33196 Dup					<0.01	21.24	2.6	12.9	9.53	62.3	578	2.75	0.23	0.16	0.10
QCV1207-01643-0002-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-CDN-ME-6 expected					101.00										
STD-CDN-ME-6 result					98.43										
33214	Core				0.05	27.56	2.3	15.2	7.55	1718.8	632	3.17	0.17	0.42	0.08
33214 Dup					<0.01	39.55	2.1	21.3	7.35	1668.1	605	3.18	0.14	0.41	0.05
QCV1207-01643-0005-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-CDN-ME-6 expected					101										
STD-CDN-ME-6 result					>100										
33232	Core				<0.01	46.92	3.2	24.3	9.36	26.7	560	2.03	0.30	0.18	0.05
33232 Dup					<0.01	38.45	3.0	20.1	9.25	28.2	566	2.31	0.28	0.18	0.05
QCV1207-01643-0008-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-OREAS92-4A expected					0.70								2.44		
STD-OREAS92-4A result					0.94	92.29	3.8	46.4	8.23	8.1	437	2.64	2.34	0.57	0.03
33196	Core			<0.1											
33196 Dup				<0.1											
QCV1207-01644-0002-BLK				<0.1											
STD-Oreas501 expected				0.7											
STD-Oreas501 result				0.8											
33214	Core			<0.1											
33214 Dup				<0.1											
QCV1207-01644-0005-BLK				<0.1											
STD-OREAS 902-AR expected				0.3											
STD-OREAS 902-AR result				0.3											
33232	Core			<0.1											
33232 Dup				<0.1											
QCV1207-01644-0008-BLK				<0.1											
STD-OREAS 902-AR expected				0.3											
STD-OREAS 902-AR result				0.2											
33196	Core		0.028												
33196 Dup			0.024												
QCV1207-01645-0002-BLK			<0.005												
33222	Core		0.514												
33222 Dup			0.524												
STD-OxG84 expected			0.922												
STD-OxG84 result			0.907												
QCV1207-01645-0005-BLK			<0.005												
STD-OxG84 expected			0.922												
STD-OxG84 result			0.893												

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Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33196	Core	15.7	157	10.90	53.7	4.64	28.33	1.23	0.06	3.22	39.2	0.86	530	0.46	0.20
33196 Dup		15.6	162	10.49	52.1	4.68	27.65	1.35	0.06	3.24	40.0	0.87	524	0.43	0.20
QCV1207-01643-0002-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-CDN-ME-6 expected					6130.0										
STD-CDN-ME-6 result					6175.1										
33214	Core	11.5	233	5.30	68.5	3.68	24.95	1.64	0.05	3.04	47.9	0.74	320	0.61	0.12
33214 Dup		10.8	228	4.98	66.0	3.59	24.06	1.54	0.05	2.94	45.3	0.72	305	0.61	0.12
QCV1207-01643-0005-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
33232	Core	13.7	186	6.82	46.5	3.94	23.30	1.06	0.05	3.12	38.0	0.67	325	0.58	0.25
33232 Dup		14.5	188	6.83	46.0	3.91	24.40	1.10	0.05	3.09	38.7	0.67	341	0.62	0.24
QCV1207-01643-0008-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected		16.3			2294.0										
STD-OREAS92-4A result		16.3		7.43	2438.2	4.77			0.34	3.12	26.6	1.68		0.33	0.52

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A Bureau Veritas Group Company
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Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33196	Core	5.1	38.7	270	17.5	0.003	1.49	13.0	0.461	1.8	176.7	2.4	56.2	0.36	<0.05
33196 Dup		3.2	38.6	264	17.1	<0.002	1.50	13.2	0.468	1.3	175.3	2.3	53.9	0.32	0.09
QCV1207-01643-0002-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-CDN-ME-6 expected					10200										
STD-CDN-ME-6 result					>10000										
33214	Core	3.0	35.1	180	14.4	0.006	3.04	11.4	0.320	3.2	143.9	2.5	80.1	0.26	0.07
33214 Dup		2.7	34.3	180	11.9	0.006	2.95	10.9	0.315	2.1	135.1	2.3	75.7	0.25	0.06
QCV1207-01643-0005-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-CDN-ME-6 expected					10200.0										
STD-CDN-ME-6 result					9555.3										
33232	Core	2.7	36.5	275	14.8	0.004	3.01	12.4	0.299	1.2	148.5	2.1	68.3	0.26	0.06
33232 Dup		2.6	36.5	277	15.9	0.004	2.95	12.4	0.290	2.6	158.4	2.1	68.9	0.27	<0.05
QCV1207-01643-0008-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected							1.16		0.310			10.6			
STD-OREAS92-4A result		14.6	40.5	737		0.007	1.26	13.5	0.270		203.8	10.5	34.7		<0.05

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Certificate of Analysis

12-360-04882-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33196	Core	16.5	0.110	0.97	3.9	126	3.7	8.0	118	107.1
33196 Dup		16.2	0.086	0.93	3.8	126	3.5	9.9	113	93.0
QCV1207-01643-0002-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected									5170	
STD-CDN-ME-6 result									5366	
33214	Core	15.3	0.085	0.80	3.6	114	5.7	5.4	77	74.9
33214 Dup		14.8	0.088	0.72	3.3	111	5.1	5.2	75	78.4
QCV1207-01643-0005-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected									5170	
STD-CDN-ME-6 result									5035	
33232	Core	17.8	0.090	0.84	3.9	131	1.9	8.4	83	103.7
33232 Dup		17.0	0.090	0.87	3.6	130	2.1	8.3	83	104.4
QCV1207-01643-0008-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		19.3			3.2				96	129.3

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Certificate of Analysis

12-360-04882-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-003**
Client Reference: **Core-12-003**
Description: **3 ACE**

Date Received: 08/20/2012
Date Completed: 08/23/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	23	Core	

Location	Quantity	Method	Description
Vancouver, BC	23	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

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Certificate of Analysis

12-360-04882-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33199	Core	0.36	0.34	0.39	0.32	497.24	9.21	506.45
33200	Core	2.12	2.18	1.97	5.05	497.35	8.55	505.90
33201	Core	5.18	3.30	3.39	95.35	493.60	10.03	503.63
33202	Core	2.18	2.02	2.04	11.36	498.92	7.92	506.84
33203	Core	1.24	1.09	1.34	2.37	506.37	10.36	516.73
33204	Core	0.43	0.37	0.42	1.46	486.55	16.62	503.17
33205	Core	0.07	0.07	0.07	0.06	489.30	5.48	494.78
33206	Core	0.09	0.09	0.09	0.09	503.16	8.42	511.58
33207	Core	0.13	0.14	0.12	0.16	489.64	11.59	501.23
33208	Core	3.68	3.33	3.37	21.52	490.60	8.90	499.50
33209	Core	2.45	1.37	1.14	76.57	489.02	7.91	496.93
33210	Core	0.62	0.66	0.60	0.28	490.60	15.62	506.22
33211	Core	3.88	3.11	3.55	57.06	506.05	5.26	511.31
33212	Core	0.31	0.31	0.31	0.27	492.53	10.73	503.26
33214	Core	0.21	0.21	0.21	0.18	483.31	7.13	490.44
33215	Core	10.86	11.10	10.69	9.75	483.59	15.57	499.16
33216	Core	15.72	15.79	15.60	16.90	482.25	8.56	490.81
33217	Core	2.74	2.86	2.59	3.37	501.39	12.69	514.07
33218	Core	1.46	1.46	1.46	1.32	493.33	22.91	516.24
33219	Core	0.91	0.93	0.90	0.61	507.60	4.14	511.74
33220	Core	0.71	0.71	0.71	0.77	482.31	18.09	500.40
33221	Core	1.50	1.47	1.56	1.22	489.56	25.74	515.29
33222	Core	0.56	0.55	0.57	0.34	510.29	9.17	519.46

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Certificate of Analysis

12-360-04882-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
QCV1208-01370-0001-BLK		<0.01						29.17
QCV1208-01370-0002-BLK		<0.01						29.17
STD-OxG84 expected		0.92						
STD-OxG84 result		0.93						
QCV1208-01370-0004-BLK		<0.01						29.17
STD-OxJ95 expected		2.34						
STD-OxJ95 result		2.27						

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Certificate of Analysis

12-360-04882-03

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

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EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-003**
Client Reference: **Core-12-003**
Description: **3 ACE**

Date Received: 10/19/2012
Date Completed: 10/26/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	8	Core	

Location	Quantity	Method	Description
Vancouver, BC	8	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

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Certificate of Analysis

12-360-04882-03

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33196	Core	0.04	0.04	0.04	0.05	500.68	6.31	506.99
33197	Core	0.03	0.03	0.03	0.03	504.86	14.12	518.98
33198	Core	0.09	0.09	0.08	0.09	502.45	5.34	507.78
33237	Core	0.03	0.03	0.03	0.02	502.27	8.01	510.28
33238	Core	0.15	0.14	0.16	0.22	490.96	6.68	497.64
33239	Core	0.22	0.22	0.23	0.16	455.94	5.95	461.89
33240	Core	0.79	0.70	0.76	4.83	457.67	6.94	464.60
33241	Core	0.53	0.55	0.50	0.64	485.29	16.63	501.92

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12-360-04882-03

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1210-01460-0001-BLK		<0.01						29.37
QCV1210-01460-0002-BLK		<0.01						29.17
STD-OxG99 expected		0.93						
STD-OxG99 result		0.87						

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Certificate of Analysis

12-360-04883-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-005**
Client Reference: **Core-12-005**
Description: **3 ACE**

Date Received: 07/23/2012
Date Completed: 07/31/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	31	Core	

Location	Quantity	Method	Description
Vancouver, BC	31	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	31	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	31	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____
Sofia Devota – Operations Manager

Vol 2-223

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12-360-04883-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
31901	Core	0.571	<0.1	0.22	4.90	0.7	2.4	0.44	4313.3	14	0.14	0.50	0.01	0.08	2.5
31902	Core	0.018	<0.1	0.18	25.78	1.9	11.9	2.35	962.7	92	0.91	0.69	0.08	0.16	2.3
31903	Core	0.050	<0.1	0.17	22.80	1.6	10.9	2.97	1669.7	135	0.98	0.60	0.02	0.08	3.0
31904	Core	0.176	<0.1	0.20	17.26	1.4	8.5	2.26	>10000	119	0.79	1.68	0.02	0.15	2.5
31905	Core	0.028	<0.1	0.16	26.19	1.8	12.4	2.93	3687.0	142	1.01	0.32	0.02	0.16	3.8
31906	Core	0.014	<0.1	0.15	25.75	1.8	12.5	3.74	1234.0	199	1.18	0.56	0.03	0.09	5.0
31907	Core	0.006	<0.1	0.27	23.40	1.5	11.6	3.31	309.2	155	0.93	0.10	0.04	0.13	4.2
31908	Core	0.006	<0.1	0.22	28.00	1.5	13.8	3.44	859.6	151	0.94	0.09	0.06	0.14	4.6
31909	Core	0.012	<0.1	0.43	25.94	1.7	12.8	3.66	1401.2	171	1.25	0.08	0.03	0.13	4.9
31910	Core	<0.005	<0.1	0.12	20.30	1.2	9.2	2.97	238.5	120	0.55	0.08	0.03	0.18	4.0
31911	Core	0.005	<0.1	0.12	24.41	1.4	11.9	2.54	184.4	102	0.51	0.07	0.03	0.09	3.2
31912	Core	4.413	1.0	0.50	17.63	1.4	9.2	2.75	>10000	103	0.90	0.22	0.07	0.27	7.1
31913	Core	0.015	<0.1	0.10	24.90	1.6	12.9	2.53	545.7	100	0.81	0.09	0.06	0.10	3.6
31914	Core	<0.005	<0.1	0.09	28.01	1.6	13.6	2.80	38.4	102	0.90	0.06	0.07	0.03	3.3
31915	Core	0.016	<0.1	0.12	14.50	0.8	7.0	1.54	350.2	55	0.43	0.08	0.05	0.08	1.7
31916	Core	0.007	2.3	3.07	24.92	1.1	12.2	2.45	1171.4	105	0.97	0.06	0.05	0.21	2.3
31917	Core	0.031	<0.1	0.19	26.55	1.6	13.3	2.61	2553.1	128	1.28	0.07	0.05	0.50	3.7
31918	Core	0.900	0.2	0.91	21.18	2.2	11.3	5.48	>10000	348	2.17	0.52	0.07	0.30	21.5
31919	Core	0.028	<0.1	0.27	26.57	1.3	13.1	2.77	348.0	101	0.85	0.16	0.09	0.21	6.9
31920	Core	0.176	0.1	0.56	42.36	3.9	24.1	>10	2846.1	988	6.57	1.58	0.08	0.18	29.8
31921	Core	0.102	<0.1	0.26	24.23	1.0	12.5	3.01	7960.8	150	1.61	0.21	0.12	0.08	8.8
31922	Core	0.163	0.3	0.52	47.36	2.8	27.4	>10	6099.4	690	3.42	1.40	0.11	0.37	23.9
31923	Core	0.489	0.2	0.33	34.75	1.4	18.4	4.26	141.8	232	1.59	0.47	0.20	0.32	10.1
31924	Core	0.030	3.3	4.35	32.82	2.1	18.5	9.01	38.2	555	3.16	0.45	0.65	0.09	13.0
31925	Core	0.054	0.2	0.37	21.63	1.1	11.2	3.07	55.4	100	0.92	0.15	0.63	0.06	8.6
31926	Core	0.053	0.1	0.36	46.09	3.5	26.2	>10	85.7	949	4.80	0.88	0.17	0.11	27.4
31927	Core	7.327	0.4	0.70	30.70	2.0	19.3	3.34	1028.6	167	0.55	0.61	>10	4.01	6.1
31928	Core	0.061	0.1	0.35	43.01	3.8	26.5	>10	86.1	945	4.16	0.76	0.17	0.07	26.7
31929	Core	0.010	2.4	1.40	14.98	1.0	7.7	2.10	166.2	73	0.55	0.62	0.10	0.16	5.8
31930	Core	<0.005	2.1	2.63	16.04	0.8	7.9	1.78	47.5	54	0.56	0.18	0.04	0.32	2.2
31931	Core	<0.005	0.1	0.17	14.50	0.9	7.5	1.79	102.0	65	0.54	0.16	0.03	0.13	1.9

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12-360-04883-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
31901	Core	325	0.43	15.3	0.76	1.17	1.37	0.01	0.08	2.4	0.01	40	0.69	0.05	0.4
31902	Core	258	1.23	21.8	1.03	5.96	0.90	0.02	0.58	9.6	0.06	109	0.63	0.02	1.0
31903	Core	241	1.59	24.9	1.18	8.62	1.16	0.02	0.98	12.7	0.09	116	0.47	0.03	1.0
31904	Core	219	1.42	21.1	2.09	7.05	1.37	0.03	0.82	10.9	0.08	60	0.59	0.03	0.8
31905	Core	247	1.75	22.1	1.54	8.57	1.08	0.03	0.98	12.8	0.11	206	0.56	0.03	1.2
31906	Core	201	2.05	23.3	1.82	10.56	1.01	0.03	1.37	10.6	0.15	318	0.42	0.05	1.5
31907	Core	214	1.79	18.9	1.58	8.54	0.72	0.02	1.02	10.7	0.12	338	0.43	0.04	1.4
31908	Core	187	1.80	23.4	1.57	9.02	0.88	0.02	1.01	13.4	0.10	190	0.55	0.04	1.3
31909	Core	212	1.87	26.4	1.62	10.32	0.89	0.02	1.11	10.3	0.13	293	0.48	0.03	1.5
31910	Core	196	1.55	19.0	1.46	7.43	0.76	0.02	0.76	11.7	0.09	256	0.47	0.03	1.1
31911	Core	205	1.46	13.0	1.29	6.29	0.80	0.01	0.65	13.0	0.12	403	0.41	0.03	0.9
31912	Core	195	1.82	13.3	2.53	7.58	1.46	0.03	0.65	44.1	0.11	582	0.59	0.02	1.0
31913	Core	213	1.51	15.6	1.44	6.53	0.96	0.01	0.65	13.3	0.14	507	0.43	0.05	1.0
31914	Core	180	1.69	11.5	1.74	6.69	0.77	0.01	0.73	83.4	0.22	573	0.47	0.11	1.1
31915	Core	253	1.07	10.0	1.15	3.87	1.12	<0.01	0.37	39.3	0.08	532	0.48	0.02	0.7
31916	Core	199	1.63	17.0	1.61	6.39	1.07	0.02	0.70	25.0	0.15	627	0.48	0.02	0.9
31917	Core	198	1.99	16.4	1.80	8.38	1.25	0.02	0.85	16.6	0.14	521	0.46	0.02	1.0
31918	Core	202	3.63	57.9	4.46	15.48	1.40	0.05	2.09	27.5	0.24	461	0.84	0.08	1.9
31919	Core	164	1.71	36.9	2.84	7.44	1.04	0.01	0.65	25.7	0.16	575	0.49	0.03	1.1
31920	Core	177	8.17	62.9	4.09	44.69	1.25	0.08	5.90	23.2	0.60	372	0.86	0.18	5.7
31921	Core	197	2.10	16.5	3.25	8.69	1.16	0.02	0.94	18.1	0.27	517	0.63	0.03	1.1
31922	Core	186	8.41	57.4	3.92	27.73	1.60	0.09	4.29	28.3	0.48	391	0.66	0.13	4.7
31923	Core	212	2.55	44.0	3.24	10.74	1.20	0.02	1.45	14.8	0.32	770	0.55	0.04	2.2
31924	Core	196	4.61	62.6	4.33	24.27	1.03	0.05	3.11	26.3	0.86	714	0.63	0.12	4.3
31925	Core	180	1.47	33.1	3.62	7.84	0.93	0.02	0.59	16.6	0.54	983	0.39	0.02	1.0
31926	Core	143	8.23	78.2	5.37	35.84	1.32	0.08	5.46	31.8	0.70	759	0.46	0.20	4.3
31927	Core	97	7.38	43.5	1.40	7.54	0.08	0.06	1.47	9.2	0.79	290	11.11	<0.01	7.4
31928	Core	152	8.53	65.7	5.16	37.35	1.25	0.08	5.60	32.1	0.70	738	0.51	0.20	5.7
31929	Core	197	1.15	29.1	2.29	5.27	1.04	0.01	0.55	9.5	0.13	474	0.40	0.02	0.7
31930	Core	237	1.04	21.9	1.26	4.32	1.18	0.01	0.36	7.1	0.08	340	0.36	0.02	0.8
31931	Core	238	1.07	21.5	1.01	4.50	1.19	0.01	0.44	8.0	0.07	241	0.45	0.02	0.8

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04883-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
31901	Core	8.7	31	6.4	0.007	2.98	0.2	0.172	6.3	4.1	0.6	7.1	<0.05	0.06	1.9
31902	Core	6.6	378	24.5	0.007	1.47	1.7	0.098	4.0	28.2	0.8	37.7	0.17	<0.05	9.6
31903	Core	9.1	96	12.9	0.005	2.14	2.3	0.133	3.8	46.9	1.4	32.1	0.17	<0.05	9.7
31904	Core	8.0	88	10.3	0.003	7.73	2.0	0.902	9.0	40.4	2.2	18.2	0.11	0.10	8.0
31905	Core	9.8	106	12.0	0.003	2.80	2.7	0.256	3.0	49.7	2.4	21.5	0.16	<0.05	8.3
31906	Core	12.9	97	9.6	0.003	1.55	3.6	0.269	2.1	65.6	3.8	22.5	0.18	<0.05	9.4
31907	Core	10.7	126	14.9	0.006	1.14	3.1	0.108	3.2	49.4	1.4	22.0	0.15	<0.05	7.7
31908	Core	12.0	282	11.6	0.003	1.93	3.4	0.116	2.6	48.3	1.1	34.0	0.12	<0.05	9.4
31909	Core	14.1	136	7.5	0.005	1.65	3.5	0.120	1.9	52.6	1.0	31.3	0.14	<0.05	9.1
31910	Core	10.0	138	6.9	0.004	0.85	2.9	0.046	3.0	37.7	0.7	36.9	0.09	<0.05	7.2
31911	Core	10.7	92	8.6	0.005	0.61	1.9	0.054	1.4	32.8	0.8	17.8	0.09	<0.05	7.3
31912	Core	14.0	186	11.3	0.005	6.76	2.4	0.663	2.4	34.4	0.8	28.4	0.09	0.12	7.9
31913	Core	10.3	137	6.3	0.003	0.95	1.8	0.112	<1.0	32.1	0.7	13.3	0.10	<0.05	7.8
31914	Core	9.9	115	6.3	0.003	0.51	1.9	0.058	<1.0	34.1	0.8	17.2	0.13	<0.05	8.4
31915	Core	7.1	96	11.5	0.006	0.70	1.0	0.072	<1.0	18.4	0.6	14.0	0.07	<0.05	5.1
31916	Core	8.4	104	12.4	0.005	1.24	1.9	0.156	2.2	35.3	0.8	14.0	0.11	<0.05	7.4
31917	Core	8.1	113	11.5	0.005	1.75	2.3	0.204	2.1	43.2	0.9	20.0	0.11	<0.05	8.8
31918	Core	37.1	228	15.8	0.005	8.03	7.2	2.380	4.4	98.1	2.1	42.6	0.18	0.13	14.0
31919	Core	16.0	287	8.2	0.003	1.04	2.4	0.460	1.2	32.9	0.8	19.1	0.12	<0.05	9.1
31920	Core	48.3	132	14.8	0.010	5.76	19.6	1.658	2.4	270.3	4.8	65.1	0.56	0.12	23.6
31921	Core	16.8	320	6.9	0.003	5.01	3.5	0.568	2.5	45.3	0.9	20.3	0.13	0.39	7.5
31922	Core	41.9	314	24.1	0.004	6.00	15.1	1.846	3.2	197.6	4.8	49.1	0.43	0.23	16.7
31923	Core	18.7	457	13.8	0.005	1.77	4.5	0.968	1.7	69.3	2.1	28.5	0.22	<0.05	8.5
31924	Core	39.6	484	23.9	0.005	2.80	11.9	0.427	1.6	145.8	2.2	76.0	0.37	0.11	13.7
31925	Core	20.1	317	18.7	<0.002	1.74	2.9	0.565	1.7	30.2	0.6	44.4	0.10	0.10	7.9
31926	Core	57.1	338	34.9	0.006	5.36	20.5	0.801	1.9	256.5	3.2	78.1	0.48	0.25	18.0
31927	Core	68.2	4277	7.4	0.042	19.99	5.6	1.276	9.8	108.8	1.7	147.0	0.52	0.51	6.5
31928	Core	59.3	351	23.8	0.005	5.31	20.8	0.734	2.0	240.0	3.3	77.4	0.58	0.25	19.3
31929	Core	12.9	328	6.2	0.005	0.99	1.6	0.560	1.3	26.8	1.6	19.4	0.07	<0.05	5.5
31930	Core	6.6	144	4.0	0.003	0.81	1.2	0.152	1.5	18.3	0.9	21.9	0.08	<0.05	4.9
31931	Core	8.0	84	5.1	<0.002	0.81	1.1	0.128	1.9	21.9	1.3	26.0	0.06	<0.05	4.7

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04883-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-227

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
31901	Core	0.005	0.05	0.2	4	0.5	0.6	7	9.2
31902	Core	0.025	0.16	1.2	23	1.2	3.7	21	40.3
31903	Core	0.031	0.24	1.3	31	1.7	3.9	18	47.6
31904	Core	0.027	0.22	1.0	24	1.7	3.2	23	53.2
31905	Core	0.036	0.24	1.3	31	2.0	4.4	30	54.4
31906	Core	0.054	0.31	1.5	42	2.5	4.8	29	62.5
31907	Core	0.043	0.29	1.3	35	2.1	4.0	34	50.6
31908	Core	0.048	0.26	1.6	37	2.3	4.8	43	53.2
31909	Core	0.045	0.29	1.5	40	2.5	4.6	36	49.8
31910	Core	0.032	0.19	1.4	31	1.9	3.9	35	42.5
31911	Core	0.028	0.19	1.1	26	1.2	3.6	22	40.9
31912	Core	0.025	0.18	1.3	27	1.8	4.2	27	53.2
31913	Core	0.028	0.17	1.3	27	1.1	3.6	26	48.4
31914	Core	0.034	0.19	1.6	31	1.3	3.8	25	48.8
31915	Core	0.017	0.12	0.8	15	1.2	2.8	16	25.6
31916	Core	0.029	0.20	1.2	26	14.2	3.8	32	39.8
31917	Core	0.030	0.23	1.6	28	2.0	4.7	50	54.0
31918	Core	0.060	0.55	2.7	71	3.2	6.2	49	77.3
31919	Core	0.032	0.18	1.6	31	1.6	4.8	73	50.3
31920	Core	0.198	1.48	5.0	183	5.8	9.0	68	143.9
31921	Core	0.041	0.26	1.2	38	1.9	6.0	36	38.4
31922	Core	0.163	0.99	3.5	123	5.8	7.3	62	86.6
31923	Core	0.059	0.38	1.8	47	2.4	5.7	41	43.3
31924	Core	0.118	0.83	3.1	116	16.2	9.0	104	73.2
31925	Core	0.033	0.20	1.4	42	1.4	4.3	78	35.6
31926	Core	0.162	1.42	4.5	170	3.5	8.7	122	117.7
31927	Core	0.208	11.52	7.9	441	36.4	26.7	282	80.8
31928	Core	0.188	1.63	4.8	175	4.0	9.1	124	119.9
31929	Core	0.022	0.34	0.9	21	9.0	7.4	39	28.1
31930	Core	0.022	0.17	0.8	17	13.8	2.3	50	35.2
31931	Core	0.021	0.15	0.6	17	1.3	1.9	29	29.8

INSPECTORATE
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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04883-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-228

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
31901	Core			0.22	4.90	0.7	2.4	0.44	4313.3	14	0.14	0.50	0.01	0.08	2.5
31901 Dup				0.21	4.94	0.3	2.4	0.45	4424.7	15	0.15	0.48	<0.01	0.04	2.6
QCV1207-01640-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101											
STD-CDN-ME-6 result				>100											
31919	Core			0.27	26.57	1.3	13.1	2.77	348.0	101	0.85	0.16	0.09	0.21	6.9
31919 Dup				0.25	25.16	1.5	12.6	2.70	320.1	93	1.14	0.15	0.09	0.19	6.4
QCV1207-01640-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
QCV1207-01640-0006-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101											
STD-CDN-ME-6 result				>100											
31901	Core		<0.1												
31901 Dup			<0.1												
QCV1207-01641-0002-BLK			<0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			0.3												
31919	Core		<0.1												
31919 Dup			0.3												
QCV1207-01641-0005-BLK			<0.1												
QCV1207-01641-0006-BLK			<0.1												
STD-DS-1 expected			0.5												
STD-DS-1 result			0.5												
31901	Core	0.571													
31901 Dup		0.567													
QCV1207-01642-0002-BLK		<0.005													
31927	Core	7.327													
31927 Dup		7.256													
STD-Oxi96 expected		1.802													
STD-Oxi96 result		1.748													
QCV1207-01642-0005-BLK		<0.005													
STD-Oxi96 expected		1.802													
STD-Oxi96 result		1.719													

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04883-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
31901	Core	325	0.43	15.3	0.76	1.17	1.37	0.01	0.08	2.4	0.01	40	0.69	0.05	0.4
31901 Dup		339	0.43	12.7	0.79	1.20	1.58	0.01	0.09	2.1	0.01	42	0.72	0.05	0.3
QCV1207-01640-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				5800.0											
31919	Core	164	1.71	36.9	2.84	7.44	1.04	0.01	0.65	25.7	0.16	575	0.49	0.03	1.1
31919 Dup		161	1.57	31.7	2.77	6.98	1.00	0.02	0.63	24.7	0.16	561	0.42	0.03	1.2
QCV1207-01640-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
QCV1207-01640-0006-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				5851.6											

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INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04883-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
31901	Core	8.7	31	6.4	0.007	2.98	0.2	0.172	6.3	4.1	0.6	7.1	<0.05	0.06	1.9
31901 Dup		6.8	32	6.5	0.003	3.02	0.3	0.175	5.3	4.1	0.7	7.3	<0.05	0.08	1.9
QCV1207-01640-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200											
STD-CDN-ME-6 result				>10000											
31919	Core	16.0	287	8.2	0.003	1.04	2.4	0.460	1.2	32.9	0.8	19.1	0.12	<0.05	9.1
31919 Dup		14.8	267	6.9	<0.002	0.97	2.2	0.442	<1.0	31.1	0.6	17.2	0.13	<0.05	8.8
QCV1207-01640-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
QCV1207-01640-0006-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200											
STD-CDN-ME-6 result				>10000											

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INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04883-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
31901	Core	0.005	0.05	0.2	4	0.5	0.6	7	9.2
31901 Dup		0.005	0.04	0.2	4	0.3	0.6	5	12.1
QCV1207-01640-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5359	
31919	Core	0.032	0.18	1.6	31	1.6	4.8	73	50.3
31919 Dup		0.034	0.19	1.6	30	1.6	4.3	65	54.2
QCV1207-01640-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
QCV1207-01640-0006-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5484	

Certificate of Analysis

12-360-04883-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Melanie Debnam
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Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-005**
Client Reference: **Core-12-005**
Description: **3 ACE**

Date Received: 10/23/2012
Date Completed: 10/25/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	23	Core	

Location	Quantity	Method	Description
Vancouver, BC	23	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota -- Operations Manager

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INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-04883-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-233

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
31901	Core	0.17	0.16	0.16	0.74	509.85	10.38	520.23
31902	Core	0.01	0.01	<0.01	<0.01	517.70	9.27	526.96
31903	Core	0.02	0.03	0.02	<0.01	500.56	5.18	505.74
31904	Core	0.18	0.18	0.18	0.11	539.23	12.12	551.35
31905	Core	0.02	0.02	0.02	0.02	513.80	4.52	518.32
31906	Core	0.02	0.02	0.02	0.02	524.07	6.74	530.81
31907	Core	0.02	0.03	<0.01	<0.01	557.90	13.96	571.86
31908	Core	<0.01	<0.01	<0.01	<0.01	548.61	11.31	559.92
31909	Core	0.01	0.01	0.01	0.02	506.52	4.43	510.95
31910	Core	0.01	<0.01	0.02	<0.01	545.03	22.07	567.10
31911	Core	<0.01	<0.01	0.01	<0.01	506.67	7.89	514.55
31912	Core	6.36	5.21	4.84	63.98	524.27	12.11	536.38
31913	Core	0.02	0.01	0.02	0.02	498.05	11.24	509.29
31914	Core	<0.01	<0.01	<0.01	0.01	501.33	6.30	507.63
31915	Core	<0.01	<0.01	<0.01	<0.01	517.94	6.46	524.40
31916	Core	0.01	0.01	0.01	<0.01	507.32	14.54	521.86
31917	Core	0.05	0.04	0.06	0.03	516.87	4.95	521.82
31918	Core	1.06	1.02	1.05	2.23	521.59	11.59	533.18
31919	Core	0.04	0.05	0.04	0.03	481.33	9.17	490.50
31920	Core	0.15	0.14	0.15	0.14	506.16	4.68	510.84
31921	Core	0.09	0.09	0.09	0.11	489.82	8.16	497.98
31922	Core	0.17	0.17	0.17	0.15	522.23	7.20	529.43
31923	Core	0.57	0.58	0.56	0.55	534.71	12.28	546.99

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Certificate of Analysis

12-360-04883-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
QCV1210-01415-0001-BLK		<0.01						29.17
STD-OxG99 expected		0.93						
STD-OxG99 result		0.87						
QCV1210-01415-0004-BLK		<0.01						29.17
STD-Oxi96 expected		1.80						
STD-Oxi96 result		1.72						

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12-360-05139-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
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Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-007**
Client Reference: **Core-12-007**
Description: **3 ACE**

Date Received: 07/30/2012
Date Completed: 08/07/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	44	Core	

Location	Quantity	Method	Description
Vancouver, BC	44	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	44	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	44	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____
Sofia Devota – Operations Manager

Vol 2-235

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Certificate of Analysis

12-360-05139-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-236

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33260	Core	<0.005	<0.1	<0.01	21.74	1.7	10.5	2.75	80.6	119	0.48	0.10	0.08	0.45	4.5
33261	Core	<0.005	<0.1	<0.01	20.89	1.3	9.6	2.29	66.4	103	0.55	0.05	0.02	0.09	2.9
33262	Core	<0.005	<0.1	<0.01	28.42	1.1	13.8	3.18	55.8	161	0.53	0.07	0.19	0.28	4.8
33263	Core	0.006	<0.1	<0.01	27.00	1.6	12.9	3.22	120.6	150	1.07	0.06	0.02	0.32	5.5
33264	Core	0.005	<0.1	<0.01	32.80	1.9	15.0	2.88	143.8	127	0.33	0.07	0.01	0.23	3.8
33265	Core	<0.005	<0.1	<0.01	29.06	1.5	12.8	3.52	90.0	153	0.70	0.07	0.02	1.26	5.9
33266	Core	<0.005	<0.1	<0.01	23.54	1.0	10.0	2.50	60.1	106	0.74	0.05	0.03	0.58	4.5
33267	Core	<0.005	<0.1	<0.01	46.72	2.3	22.2	6.21	18.9	339	1.40	0.17	0.18	0.86	11.4
33268	Core	<0.005	<0.1	<0.01	29.97	1.6	12.7	3.08	16.3	129	0.71	0.07	0.05	0.35	5.8
33269	Core	<0.005	<0.1	<0.01	39.65	2.3	18.2	5.17	12.5	260	1.15	0.11	0.11	1.01	10.2
33270	Core	0.023	<0.1	<0.01	38.69	2.2	18.2	5.08	44.1	255	0.99	0.08	0.09	0.68	10.3
33271	Core	0.057	1.1	1.06	37.72	2.1	17.6	5.99	121.4	316	1.38	0.44	0.05	4.01	8.8
33272	Core	0.045	<0.1	<0.01	29.02	1.8	13.5	4.15	95.4	196	0.99	0.06	0.08	1.44	7.3
33273	Core	<0.005	<0.1	<0.01	24.16	1.4	11.5	2.56	20.9	95	0.44	0.05	0.06	0.54	5.3
33274	Core	0.006	<0.1	<0.01	24.81	1.3	11.0	2.72	8.6	100	0.53	0.05	0.16	0.32	5.1
33275	Core	<0.005	<0.1	<0.01	21.86	1.6	10.2	3.81	8.5	187	0.69	0.22	0.55	0.10	7.3
33276	Core	<0.005	<0.1	<0.01	23.17	1.3	10.2	2.89	12.7	100	0.50	0.07	0.58	0.18	7.3
33277	Core	<0.005	<0.1	0.06	25.94	1.5	12.3	3.48	30.2	123	0.61	0.12	0.14	0.42	9.0
33278	Core	<0.005	<0.1	0.05	39.81	1.7	18.8	5.57	52.3	298	1.32	0.14	0.20	0.42	11.8
33279	Core	<0.005	<0.1	<0.01	35.77	1.8	17.6	5.22	20.1	258	1.09	0.19	0.47	0.04	9.9
33280	Core	0.038	<0.1	0.37	42.82	2.0	21.3	6.83	102.9	413	2.25	0.10	0.98	0.05	6.9
33281	Core	<0.005	<0.1	0.05	22.01	1.3	9.7	2.50	19.6	95	0.65	0.06	1.51	0.06	5.5
33282	Core	<0.005	<0.1	0.29	35.76	2.2	16.7	5.11	32.7	229	0.88	0.15	1.08	0.04	12.9
33283	Core	<0.005	<0.1	0.06	21.60	1.3	9.9	2.65	7.2	110	0.23	0.07	2.62	<0.02	4.8
33284	Core	<0.005	<0.1	0.01	39.29	2.0	18.6	5.23	6.6	270	1.03	0.14	0.82	0.03	8.4
33285	Core	<0.005	<0.1	<0.01	43.28	2.8	21.9	8.63	11.6	524	2.40	0.28	0.44	0.06	14.5
33286	Core	<0.005	<0.1	<0.01	48.80	2.0	21.4	6.19	7.7	342	1.74	0.20	0.23	0.12	13.0
33287	Core	0.006	<0.1	<0.01	32.72	1.9	15.4	4.90	6.5	254	0.82	0.12	1.04	0.03	9.4
33288	Core	<0.005	0.2	0.28	28.54	1.5	12.1	2.92	16.6	107	0.58	0.05	0.76	0.02	5.7
33289	Core	7.696	0.5	0.67	29.03	2.2	14.9	3.47	963.6	165	0.90	0.62	>10	4.38	6.8
33290	Core	0.010	<0.1	0.19	27.95	1.9	12.6	3.01	20.2	118	0.42	0.08	0.84	0.04	5.2
33291	Core	0.008	<0.1	0.37	28.23	2.1	12.6	3.67	26.2	159	0.78	0.09	0.41	0.05	6.8
33292	Core	<0.005	<0.1	0.65	24.85	1.4	11.2	2.64	12.2	92	0.35	0.08	0.35	0.04	6.2
33293	Core	<0.005	<0.1	0.11	29.01	1.5	12.4	3.28	20.7	132	0.66	0.10	0.11	0.29	10.2
33294	Core	0.147	<0.1	<0.01	27.64	1.9	12.3	2.86	42.6	111	0.52	0.07	0.28	0.04	4.7
33295	Core	0.016	<0.1	<0.01	26.79	1.7	12.9	4.18	20.4	198	0.71	0.08	0.27	0.03	6.5
33296	Core	0.051	0.1	<0.01	21.43	1.5	10.1	3.83	35.7	187	0.71	0.08	0.67	0.08	6.9
33297	Core	0.020	0.1	<0.01	29.79	1.4	14.0	3.09	45.3	113	0.83	0.06	0.79	0.30	5.8
33298	Core	0.007	<0.1	<0.01	36.00	2.7	18.4	7.55	28.7	462	1.72	0.20	0.75	0.03	15.4
33299	Core	0.036	0.1	<0.01	16.57	2.3	8.1	7.67	94.9	454	2.09	0.21	0.93	0.09	17.3

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Certificate of Analysis

12-360-05139-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33300	Core	0.145	0.1	<0.01	24.22	1.1	12.0	2.71	1261.6	107	0.61	0.05	0.80	0.34	6.9
33301	Core	0.171	0.2	<0.01	33.30	1.6	16.2	5.12	2285.5	307	1.33	0.09	1.71	0.18	7.4
33302	Core	0.300	0.2	<0.01	24.09	1.3	12.1	2.68	6831.9	78	0.64	0.12	0.33	0.20	4.9
33303	Core	0.008	<0.1	<0.01	29.09	1.4	13.4	3.91	83.8	183	0.71	0.08	0.08	0.05	5.0

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Certificate of Analysis

12-360-05139-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-238

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33260	Core	112	1.54	13.1	1.12	6.32	0.57	0.01	0.58	12.1	0.04	141	0.42	0.04	1.6
33261	Core	98	1.40	13.2	0.87	5.38	0.61	0.02	0.50	17.1	0.03	91	0.38	0.04	1.1
33262	Core	146	1.94	14.8	1.20	7.51	0.64	0.02	0.81	14.4	0.05	201	0.36	0.06	1.5
33263	Core	170	3.08	15.1	1.45	8.48	0.83	0.02	0.86	45.5	0.06	171	0.41	0.05	1.3
33264	Core	147	2.01	14.6	1.31	7.09	0.92	0.04	0.83	12.4	0.06	126	0.35	0.04	1.3
33265	Core	121	1.89	14.7	1.40	8.39	0.68	0.02	0.85	10.2	0.07	213	0.40	0.05	1.4
33266	Core	136	1.38	11.2	1.30	6.91	0.76	0.01	0.57	11.8	0.06	219	0.55	0.03	0.8
33267	Core	155	3.26	29.6	2.65	16.82	0.72	0.03	1.75	13.2	0.16	566	0.44	0.10	2.4
33268	Core	134	1.50	10.6	1.56	7.60	0.58	0.01	0.65	8.4	0.08	498	0.31	0.04	1.0
33269	Core	151	3.07	20.8	2.28	14.66	0.74	0.03	1.34	20.5	0.32	369	0.39	0.19	2.5
33270	Core	143	3.37	17.8	2.29	14.31	0.74	0.03	1.35	16.8	0.17	520	0.38	0.09	2.5
33271	Core	172	4.74	34.6	2.51	17.15	0.91	0.15	1.74	32.1	0.12	521	0.42	0.10	3.3
33272	Core	198	2.80	20.0	1.70	10.65	0.95	0.03	1.15	9.5	0.14	248	0.39	0.15	1.8
33273	Core	139	1.51	7.7	1.17	6.60	0.64	0.01	0.52	13.4	0.08	388	0.39	0.04	1.2
33274	Core	183	1.72	9.4	1.17	6.88	0.60	0.01	0.54	10.4	0.15	316	0.34	0.14	1.1
33275	Core	205	2.12	13.1	1.79	8.95	0.56	0.02	0.96	14.7	0.28	585	0.42	0.19	1.6
33276	Core	141	1.68	11.4	1.94	6.68	0.70	0.02	0.52	20.0	0.35	516	0.35	0.53	0.9
33277	Core	137	1.95	13.7	1.90	7.78	0.64	0.02	0.64	12.0	0.20	500	0.43	0.17	1.2
33278	Core	184	5.33	28.4	2.57	14.85	0.72	0.04	1.56	52.8	0.32	533	0.41	0.17	3.0
33279	Core	153	3.60	20.8	2.87	11.90	0.66	0.02	1.39	55.7	0.54	617	0.39	0.47	2.3
33280	Core	164	5.18	23.7	2.36	18.19	0.80	0.05	2.30	25.7	0.49	822	0.31	0.43	4.6
33281	Core	186	1.80	12.2	1.90	6.25	0.64	0.01	0.55	18.9	0.40	1258	0.47	0.34	0.9
33282	Core	197	3.42	26.3	3.40	14.26	0.68	0.04	1.24	36.4	0.64	1396	0.47	0.27	2.6
33283	Core	200	1.78	9.1	1.82	5.96	0.37	0.01	0.53	9.9	0.70	1268	0.41	0.26	1.1
33284	Core	191	3.39	21.6	2.33	13.09	0.55	0.03	1.38	19.6	0.52	519	0.45	0.27	2.5
33285	Core	197	5.42	40.3	3.27	23.74	0.67	0.05	2.70	34.1	0.66	441	0.47	0.17	6.3
33286	Core	163	3.60	24.8	2.40	15.18	0.66	0.03	1.77	21.3	0.42	651	0.47	0.13	3.0
33287	Core	226	3.16	23.2	2.25	13.94	0.59	0.03	1.32	34.2	0.45	564	0.45	0.32	3.0
33288	Core	248	1.94	14.1	1.39	7.69	0.57	0.01	0.58	12.3	0.27	421	0.47	0.47	1.4
33289	Core	110	8.15	39.8	1.35	8.21	0.22	0.08	1.49	9.7	0.75	266	10.68	<0.01	7.0
33290	Core	184	1.98	15.4	1.43	7.28	0.63	0.01	0.63	11.5	0.28	442	0.47	0.43	1.5
33291	Core	273	2.92	19.8	1.56	10.22	0.84	0.02	0.86	19.0	0.31	221	0.54	0.38	1.7
33292	Core	211	1.95	10.1	1.39	6.16	0.56	0.01	0.48	14.8	0.24	276	0.47	0.21	0.9
33293	Core	202	3.63	24.2	1.84	8.74	0.62	0.01	0.69	10.4	0.19	513	0.42	0.04	1.0
33294	Core	227	1.96	9.8	1.45	6.36	0.54	0.01	0.60	5.7	0.17	391	0.52	0.08	0.9
33295	Core	207	2.54	13.2	1.62	9.06	0.61	0.01	1.06	7.4	0.25	225	0.42	0.08	1.2
33296	Core	200	2.60	14.4	1.73	9.09	0.69	0.02	0.98	15.4	0.28	391	0.43	0.05	0.9
33297	Core	214	1.98	10.5	1.54	6.91	0.57	0.02	0.62	9.1	0.30	422	0.51	0.06	0.8
33298	Core	202	7.24	29.2	3.41	20.11	0.69	0.05	2.40	20.8	0.60	532	0.78	0.14	6.3
33299	Core	163	5.25	28.8	3.95	19.64	0.66	0.04	2.35	22.1	0.55	570	0.44	0.10	1.2

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Certificate of Analysis

12-360-05139-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33300	Core	163	2.00	14.4	1.88	6.40	0.88	0.02	0.65	21.3	0.29	543	0.35	0.03	0.5
33301	Core	151	3.99	21.3	1.88	13.67	0.82	0.04	1.71	18.8	0.40	697	0.36	0.08	0.8
33302	Core	186	2.32	5.8	1.29	5.26	1.16	0.01	0.46	12.9	0.15	329	0.48	0.02	0.8
33303	Core	157	2.97	14.6	1.45	8.26	0.55	0.02	1.03	18.8	0.19	243	0.35	0.07	0.8

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Certificate of Analysis

12-360-05139-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-240

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33260	Core	11.1	42	15.1	0.002	0.86	2.4	0.028	2.0	26.9	0.8	16.1	0.61	0.14	7.1
33261	Core	9.1	<10	9.1	0.004	0.62	1.7	<0.01	<1.0	23.9	0.6	16.7	0.32	<0.05	7.3
33262	Core	11.9	736	11.8	<0.002	0.71	3.0	<0.01	1.3	39.1	0.8	22.4	0.33	<0.05	7.6
33263	Core	13.0	<10	14.2	0.004	0.93	3.2	<0.01	<1.0	45.4	0.8	17.5	0.29	<0.05	8.7
33264	Core	9.3	<10	61.4	0.002	1.12	2.9	0.022	1.1	39.9	1.6	12.3	0.21	<0.05	10.2
33265	Core	14.5	<10	15.7	<0.002	0.69	2.8	0.021	<1.0	40.5	0.9	13.2	0.21	<0.05	9.0
33266	Core	10.3	<10	16.1	0.003	0.65	2.2	0.010	<1.0	29.0	0.5	8.9	0.14	<0.05	6.2
33267	Core	25.5	653	24.2	0.004	0.63	6.6	0.017	1.0	82.2	1.5	34.9	0.40	0.12	12.7
33268	Core	12.0	<10	13.1	<0.002	0.41	2.9	<0.01	<1.0	30.1	0.6	11.6	0.16	<0.05	7.7
33269	Core	25.5	<10	19.5	<0.002	0.71	5.7	0.024	1.6	66.7	1.1	28.1	0.34	<0.05	10.9
33270	Core	22.7	14	27.1	0.003	0.96	5.4	0.074	1.0	65.1	1.2	23.9	0.34	<0.05	11.3
33271	Core	23.8	11	536.3	0.004	2.01	6.4	0.137	<1.0	88.6	1.7	27.6	0.35	<0.05	10.8
33272	Core	18.6	89	61.7	0.004	1.04	3.7	0.038	2.3	60.8	1.4	19.4	0.23	<0.05	8.5
33273	Core	11.4	<10	17.9	<0.002	0.52	1.9	0.046	<1.0	26.5	0.6	10.7	0.14	0.05	6.5
33274	Core	11.8	<10	25.4	<0.002	0.56	2.2	0.063	1.4	27.2	0.7	15.3	0.13	<0.05	6.7
33275	Core	15.8	297	19.0	0.003	0.93	3.5	0.043	<1.0	44.2	0.8	33.3	0.23	<0.05	8.6
33276	Core	16.1	25	19.7	0.002	0.46	2.6	0.082	<1.0	26.5	0.6	32.7	0.12	<0.05	6.5
33277	Core	17.8	17	24.5	<0.002	0.56	2.8	0.013	1.0	30.4	0.8	17.0	0.17	<0.05	7.6
33278	Core	24.7	27	17.0	0.005	0.79	5.7	0.043	1.2	85.3	1.4	38.4	0.35	0.06	9.7
33279	Core	22.6	414	17.7	0.003	0.59	5.3	0.045	<1.0	59.8	1.0	43.5	0.27	0.05	10.9
33280	Core	19.5	152	17.7	0.005	1.02	7.2	0.040	<1.0	108.9	1.7	65.8	0.46	0.07	11.7
33281	Core	11.0	<10	19.7	0.002	0.67	2.4	0.024	<1.0	27.8	0.6	51.1	0.12	<0.05	6.8
33282	Core	30.1	12	22.8	0.005	0.54	5.4	0.032	1.7	66.9	1.1	50.0	0.25	0.11	10.7
33283	Core	9.6	<10	18.4	<0.002	0.31	2.3	0.012	1.1	24.9	0.6	72.0	0.09	0.13	6.6
33284	Core	21.0	<10	18.6	0.003	0.53	5.0	0.023	1.2	64.4	1.1	46.6	0.31	0.12	11.1
33285	Core	37.2	61	24.5	<0.002	0.89	10.1	0.132	<1.0	123.6	2.1	50.2	0.59	0.27	15.6
33286	Core	22.7	48	23.7	0.003	0.79	5.8	0.040	1.4	78.6	1.6	33.9	0.32	<0.05	11.5
33287	Core	20.8	12	19.0	0.002	0.73	5.1	0.027	1.8	66.0	1.1	62.3	0.27	<0.05	10.7
33288	Core	13.9	<10	17.5	0.003	0.55	2.6	0.098	3.3	30.7	0.8	39.7	0.14	0.12	8.4
33289	Core	69.9	4189	9.2	0.036	20.14	5.3	1.223	13.3	122.2	1.7	123.6	0.54	0.81	6.1
33290	Core	11.2	<10	18.3	<0.002	0.56	2.5	0.110	1.0	30.0	1.1	38.4	0.17	<0.05	10.2
33291	Core	21.2	<10	18.5	0.002	1.01	3.1	0.068	1.8	43.0	1.4	32.4	0.19	0.22	10.1
33292	Core	12.9	<10	16.6	0.003	1.19	2.0	0.030	1.6	24.4	0.7	19.5	0.12	0.11	7.7
33293	Core	20.7	<10	16.3	0.003	0.68	2.3	0.071	1.5	33.4	2.0	12.6	0.12	0.11	8.9
33294	Core	11.8	<10	14.6	0.005	0.82	2.7	0.087	1.3	27.4	0.7	14.2	0.63	0.20	8.3
33295	Core	15.3	<10	12.1	0.003	0.73	3.8	0.155	<1.0	45.6	0.8	17.8	0.42	0.07	10.0
33296	Core	14.5	<10	14.6	0.002	0.97	3.6	0.145	2.7	43.4	0.8	21.4	0.24	0.13	8.1
33297	Core	12.8	105	16.1	0.005	0.75	2.9	0.158	2.7	28.8	0.6	29.3	0.13	0.15	9.0
33298	Core	34.2	291	10.9	0.002	1.58	11.4	0.143	2.1	109.5	1.7	70.1	0.79	0.08	15.2
33299	Core	36.4	16	16.4	0.003	1.96	8.9	0.486	2.4	101.5	1.6	49.7	0.30	0.11	13.3

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Certificate of Analysis

12-360-05139-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33300	Core	13.1	<10	12.9	0.003	2.47	2.6	0.754	3.7	30.9	0.6	28.7	0.10	0.07	6.9
33301	Core	16.8	2994	15.7	0.004	3.18	5.9	0.708	2.3	73.6	1.8	86.1	0.16	<0.05	10.9
33302	Core	9.1	<10	18.3	<0.002	7.00	2.2	0.504	2.8	20.5	1.8	27.7	0.10	0.06	8.2
33303	Core	11.0	<10	10.9	<0.002	0.76	3.2	0.046	1.4	42.2	1.0	17.3	0.13	0.09	9.5

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Certificate of Analysis

12-360-05139-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33260	Core	0.039	0.15	1.4	25	1.4	3.3	38	39.4
33261	Core	0.034	0.14	1.3	20	1.0	2.9	25	42.9
33262	Core	0.042	0.21	1.3	30	1.2	4.1	43	40.6
33263	Core	0.041	0.26	1.5	31	1.7	3.6	54	48.1
33264	Core	0.042	0.22	1.5	30	2.1	4.1	73	70.1
33265	Core	0.042	0.22	1.5	33	1.4	3.6	62	56.5
33266	Core	0.026	0.15	1.1	23	1.5	3.0	38	37.5
33267	Core	0.081	0.45	2.4	68	1.6	6.9	75	78.5
33268	Core	0.038	0.16	1.2	30	0.9	5.6	44	52.1
33269	Core	0.080	0.34	2.1	61	0.7	5.9	101	76.0
33270	Core	0.076	0.35	2.1	57	1.4	5.7	90	74.3
33271	Core	0.084	0.48	2.3	64	2.7	6.0	339	78.2
33272	Core	0.048	0.33	1.6	44	2.1	4.2	142	61.5
33273	Core	0.034	0.14	1.1	26	1.1	3.2	61	42.1
33274	Core	0.034	0.15	1.3	28	0.6	4.6	53	47.2
33275	Core	0.043	0.27	1.5	41	0.7	5.8	41	46.1
33276	Core	0.034	0.16	1.1	33	0.4	3.2	47	44.4
33277	Core	0.041	0.17	1.5	36	0.9	3.7	72	48.7
33278	Core	0.080	0.41	2.0	60	1.8	6.1	73	61.1
33279	Core	0.072	0.38	2.0	65	0.9	4.6	52	54.1
33280	Core	0.110	0.63	2.1	78	2.5	4.7	45	58.8
33281	Core	0.033	0.16	1.0	33	1.3	3.9	27	43.1
33282	Core	0.075	0.29	1.7	68	0.6	5.5	56	73.0
33283	Core	0.030	0.14	1.1	41	0.3	3.6	21	36.3
33284	Core	0.087	0.38	2.1	65	0.5	4.6	41	65.2
33285	Core	0.125	0.69	3.2	106	1.7	6.6	74	94.2
33286	Core	0.090	0.44	2.3	71	0.8	5.9	64	61.8
33287	Core	0.074	0.34	2.0	59	0.8	5.3	44	58.2
33288	Core	0.044	0.18	1.3	33	0.5	3.8	18	58.3
33289	Core	0.200	13.45	7.8	432	35.1	21.8	250	71.9
33290	Core	0.053	0.19	1.6	36	0.7	3.8	20	58.2
33291	Core	0.046	0.25	1.7	42	1.4	3.9	28	69.5
33292	Core	0.034	0.12	1.3	29	0.6	3.0	26	42.8
33293	Core	0.039	0.19	1.3	35	1.1	3.9	55	51.9
33294	Core	0.019	0.17	1.4	29	1.6	3.7	21	36.5
33295	Core	0.034	0.28	1.6	46	1.3	3.6	31	47.7
33296	Core	0.029	0.25	1.4	43	1.4	4.1	40	43.1
33297	Core	0.023	0.17	1.3	35	3.2	4.1	45	47.2
33298	Core	0.154	0.60	2.8	112	2.3	7.9	63	87.0
33299	Core	0.050	0.62	2.8	104	2.6	6.0	77	73.3

INSPECTORATE
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Certificate of Analysis

12-360-05139-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33300	Core	0.021	0.23	1.0	32	2.0	3.7	73	32.0
33301	Core	0.034	0.45	1.8	62	2.3	8.9	41	52.1
33302	Core	0.024	0.17	1.2	26	3.3	3.6	23	41.0
33303	Core	0.029	0.28	1.3	40	1.8	3.5	32	41.6

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12-360-05139-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33260	Core			<0.01	21.74	1.7	10.5	2.75	80.6	119	0.48	0.10	0.08	0.45	4.5
33260 Dup				<0.01	21.66	1.5	10.6	2.76	86.8	117	0.42	0.08	0.05	0.48	4.4
QCV1207-02178-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101											
STD-CDN-ME-6 result				>100											
33278	Core			0.05	39.81	1.7	18.8	5.57	52.3	298	1.32	0.14	0.20	0.42	11.8
33278 Dup				0.17	26.12	1.6	12.9	5.41	49.9	284	1.45	0.14	0.20	0.42	11.3
QCV1207-02178-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101.00											
STD-CDN-ME-6 result				97.95											
33296	Core			<0.01	21.43	1.5	10.1	3.83	35.7	187	0.71	0.08	0.67	0.08	6.9
33296 Dup				<0.01	24.86	1.4	12.1	3.75	33.4	184	0.72	0.08	0.65	0.06	7.0
QCV1207-02178-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.37				4.70	7135.8	225					9.8
33260	Core		<0.1												
33260 Dup			<0.1												
QCV1207-02179-0002-BLK			<0.1												
STD-DS-1 expected			0.5												
STD-DS-1 result			0.5												
33278	Core		<0.1												
33278 Dup			<0.1												
QCV1207-02179-0005-BLK			<0.1												
STD-OREAS 902-AR expected			0.3												
STD-OREAS 902-AR result			0.3												
33296	Core		0.1												
33296 Dup			<0.1												
QCV1207-02179-0008-BLK			<0.1												
STD-OREAS 902-AR expected			0.3												
STD-OREAS 902-AR result			0.4												
33260	Core	<0.005													
33260 Dup		<0.005													
QCV1207-02180-0002-BLK		<0.005													
33286	Core	<0.005													
33286 Dup		<0.005													
STD-Oxi96 expected		1.802													
STD-Oxi96 result		1.769													
QCV1207-02180-0005-BLK		<0.005													
STD-OxG84 expected		0.922													
STD-OxG84 result		0.900													

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33260	Core	112	1.54	13.1	1.12	6.32	0.57	0.01	0.58	12.1	0.04	141	0.42	0.04	1.6
33260 Dup		105	1.55	14.7	1.11	5.96	0.56	0.02	0.58	12.1	0.04	142	0.38	0.04	1.7
QCV1207-02178-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				5903.4											
33278	Core	184	5.33	28.4	2.57	14.85	0.72	0.04	1.56	52.8	0.32	533	0.41	0.17	3.0
33278 Dup		192	4.83	27.1	2.48	14.43	0.71	0.03	1.54	51.2	0.31	518	0.39	0.17	2.3
QCV1207-02178-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				5876.8											
33296	Core	200	2.60	14.4	1.73	9.09	0.69	0.02	0.98	15.4	0.28	391	0.43	0.05	0.9
33296 Dup		195	2.47	12.1	1.70	8.46	0.57	0.02	0.97	13.8	0.27	377	0.43	0.05	0.8
QCV1207-02178-0008-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				28.1							2.93	477			

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12-360-05139-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33260	Core	11.1	42	15.1	0.002	0.86	2.4	0.028	2.0	26.9	0.8	16.1	0.61	0.14	7.1
33260 Dup		10.7	47	14.6	<0.002	0.77	2.4	0.026	1.5	25.3	0.7	16.3	0.43	<0.05	7.2
QCV1207-02178-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200											
STD-CDN-ME-6 result				>10000											
33278	Core	24.7	27	17.0	0.005	0.79	5.7	0.043	1.2	85.3	1.4	38.4	0.35	0.06	9.7
33278 Dup		24.5	21	17.1	0.003	0.73	5.4	0.042	1.3	74.9	1.2	35.9	0.30	0.06	10.1
QCV1207-02178-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200											
STD-CDN-ME-6 result				>10000											
33296	Core	14.5	<10	14.6	0.002	0.97	3.6	0.145	2.7	43.4	0.8	21.4	0.24	0.13	8.1
33296 Dup		13.0	<10	13.8	0.003	0.87	3.5	0.149	2.3	42.2	0.7	21.5	0.18	<0.05	8.9
QCV1207-02178-0008-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7	340	13.8											
STD-DS-1 result		48.1	325	12.9											

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#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33260	Core	0.039	0.15	1.4	25	1.4	3.3	38	39.4
33260 Dup		0.039	0.16	1.3	25	1.3	3.4	38	40.2
QCV1207-02178-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5199	
33278	Core	0.080	0.41	2.0	60	1.8	6.1	73	61.1
33278 Dup		0.066	0.42	2.0	58	1.7	4.4	75	50.7
QCV1207-02178-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5416	
33296	Core	0.029	0.25	1.4	43	1.4	4.1	40	43.1
33296 Dup		0.028	0.26	1.4	43	1.6	4.0	38	47.7
QCV1207-02178-0008-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			18.61					200	

Certificate of Analysis

12-360-05139-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Melanie Debnam
EMail: Mdebnam@firestoneventures.com

Attention: Chris Buchanan
EMail: cbuchanan@northern-tiger.com

Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-007**
Client Reference: **Core-12-007**
Description: **3 ACE**

Date Received: 10/12/2012
Date Completed: 10/19/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	4	Core	

Location	Quantity	Method	Description
Vancouver, BC	4	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

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Certificate of Analysis

12-360-05139-02

Northern Tiger Resources
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Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33300	Core	0.15	0.15	0.15	0.10	497.00	6.05	503.05
33301	Core	0.21	0.19	0.22	0.21	498.40	5.46	503.86
33302	Core	0.39	0.41	0.38	0.30	463.43	29.82	493.25
33303	Core	0.01	0.01	0.01	0.01	506.33	5.99	512.32

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12-360-05139-02

Northern Tiger Resources
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Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1210-01045-0001-BLK		<0.01						29.17
QCV1210-01045-0002-BLK		<0.01						29.37
STD-Oxi96 expected		1.80						
STD-Oxi96 result		1.69						

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Certificate of Analysis

12-360-05140-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
EMail: cbuchanan@northern-tiger.com

Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-011**
Client Reference: **Core-12-011**
Description: **3 ACE**

Date Received: 07/30/2012
Date Completed: 08/07/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	51	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg

Location	Quantity	Method	Description
Vancouver, BC	2	Au-1AT-GV	Au, 1AT, Gravimetric
Vancouver, BC	51	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	51	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	51	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota -- Operations Manager

Vol 2-251

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Certificate of Analysis

12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-252

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33394	Core		0.083	0.2	0.26	31.35	1.9	14.0	2.87	138.8	108	0.81	0.06	0.04	0.28
33395	Core		0.052	0.3	0.13	33.51	1.8	14.4	2.86	176.9	124	0.73	0.06	0.04	0.28
33396	Core		0.137	0.1	0.08	41.95	2.2	17.1	3.53	134.9	177	0.85	0.07	0.08	0.15
33397	Core		2.223	0.3	0.13	33.71	2.0	14.2	2.82	573.7	123	0.93	0.06	0.33	0.10
33398	Core		0.528	0.1	0.11	34.20	1.7	14.6	2.78	354.6	117	0.53	0.12	0.20	0.84
33399	Core		1.143	0.2	0.32	27.94	1.7	12.0	2.61	380.8	106	0.63	0.10	0.12	0.62
33400	Core		0.063	0.3	0.14	25.64	1.4	11.4	2.76	210.3	108	0.53	0.05	0.11	1.07
33401	Core		<0.005	0.2	0.20	1.17	0.3	0.7	0.04	1.0	21	<0.05	0.03	>10	0.07
33402	Core		0.057	0.6	0.24	24.28	1.2	10.8	2.57	200.3	106	0.19	0.05	0.07	0.97
33403	Core		0.455	0.1	0.09	29.90	1.3	13.3	2.66	688.4	107	0.58	0.08	0.16	0.43
33404	Core		0.159	0.2	0.11	28.46	1.2	11.8	2.30	481.1	92	0.48	0.06	0.06	0.53
33405	Core		0.292	0.3	0.08	22.97	1.8	10.0	2.93	387.3	135	0.64	0.08	0.03	1.11
33406	Core		0.019	0.2	0.25	44.79	3.2	21.6	>10	84.6	975	3.10	0.29	0.56	4.87
33407	Core		0.147	<0.1	0.17	20.54	1.6	8.7	3.14	335.2	108	0.79	0.05	0.04	2.13
33408	Core		0.151	0.3	0.22	42.52	2.1	18.2	5.07	1272.8	190	0.75	0.48	0.19	2.95
33409	Core		0.067	0.2	0.24	46.44	3.2	27.7	>10	87.3	926	4.07	0.92	0.08	0.47
33410	Core		0.054	0.2	0.34	72.08	3.6	37.9	>10	75.1	893	4.33	0.53	0.06	0.65
33411	Core		0.038	0.3	0.25	75.68	3.5	37.8	>10	75.9	913	3.99	0.60	0.10	0.27
33412	Core		0.029	0.2	0.18	72.15	3.3	35.5	>10	45.2	847	3.74	0.40	0.76	0.16
33413	Core		0.011	0.2	0.13	48.90	3.0	25.9	>10	43.5	828	3.35	0.47	0.40	0.41
33414	Core		0.007	0.2	0.11	76.78	2.9	37.3	>10	37.0	743	2.98	0.47	0.70	0.37
33415	Core		0.006	0.2	0.14	39.10	2.6	19.0	>10	39.6	867	3.70	0.47	0.36	0.05
33416	Core		0.006	0.2	0.11	70.18	2.4	35.7	>10	37.6	851	3.49	0.48	0.82	0.29
33417	Core		<0.005	0.2	0.14	37.58	2.6	19.9	>10	29.5	942	3.54	0.44	0.52	0.29
33418	Core		0.006	0.2	0.20	56.03	3.0	28.7	>10	37.7	999	3.21	0.45	0.28	0.13
33419	Core		<0.005	0.2	0.19	37.13	3.5	18.2	>10	37.7	1205	4.47	0.83	0.39	0.10
33420	Core		<0.005	<0.1	0.03	21.18	0.7	9.8	2.32	3.9	104	0.59	0.03	1.80	0.12
33421	Core		<0.005	0.1	0.05	39.30	1.9	18.3	7.71	16.3	494	1.70	0.34	0.97	0.03
33422	Core		<0.005	0.2	0.15	57.16	2.6	31.0	>10	37.6	978	3.58	0.54	0.27	0.13
33423	Core		<0.005	0.2	0.11	58.30	3.0	30.4	>10	32.7	1096	3.56	0.43	0.17	0.12
33424	Core		0.007	<0.1	0.06	35.47	2.7	17.4	>10	26.9	928	2.77	0.37	0.82	0.06
33425	Core		<0.005	0.2	0.07	54.18	2.6	20.6	>10	28.6	1030	3.09	0.36	0.62	0.13
33426	Core		<0.005	0.1	0.12	48.30	2.8	24.2	>10	29.9	964	2.75	0.40	0.57	0.05
33427	Core		0.008	0.2	0.18	38.71	2.6	20.6	>10	46.0	959	2.93	0.50	0.97	0.06
32031	Core		1.408	0.3	0.29	6.82	0.7	3.3	0.85	7492.8	56	0.25	1.75	0.01	0.03
32032	Core	16.241	>10	0.3	0.35	3.72	0.2	1.9	0.68	7806.8	52	0.35	0.30	0.01	0.06
32033	Core	10.063	>10	0.1	0.29	3.26	<0.1	1.7	0.36	6943.8	26	0.12	0.21	0.01	0.03
32034	Core		1.572	<0.1	<0.01	7.17	0.3	3.2	0.65	4098.9	30	0.47	0.08	0.01	<0.02
32035	Core		0.831	<0.1	<0.01	8.53	0.5	4.1	0.91	8000.4	43	0.45	0.06	0.01	<0.02
32036	Core		1.690	0.1	0.06	28.88	1.3	13.0	2.28	4467.5	116	0.85	0.08	0.01	0.02

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Certificate of Analysis

12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
32037	Core		0.311	<0.1	0.41	7.95	0.5	3.8	0.86	7565.9	43	0.69	0.11	0.01	<0.02
32038	Core		0.016	<0.1	<0.01	17.88	1.0	8.4	2.56	700.0	108	1.09	0.14	0.04	0.03
32039	Core		0.015	<0.1	<0.01	17.61	1.1	8.8	3.16	35.2	147	0.74	0.07	0.07	<0.02
32040	Core		<0.005	<0.1	<0.01	18.38	1.3	8.0	3.57	63.9	181	0.80	0.06	0.11	0.10
32041	Core		1.394	0.1	<0.01	19.80	0.9	9.1	2.00	14.7	87	0.40	0.05	0.04	<0.02
32042	Core		<0.005	0.5	0.24	24.60	1.2	11.7	3.85	24.2	169	0.61	0.14	0.09	<0.02
32043	Core		0.043	<0.1	<0.01	15.60	1.1	7.2	2.82	447.7	106	0.68	0.10	0.06	<0.02
32044	Core		<0.005	<0.1	<0.01	22.35	0.9	9.9	2.38	57.5	113	0.90	0.07	0.04	<0.02
32045	Core		0.006	<0.1	0.04	26.23	0.8	11.6	1.86	90.2	79	0.84	0.04	0.04	0.04
32046	Core		<0.005	<0.1	<0.01	17.94	1.0	8.2	2.07	25.5	95	0.50	0.15	0.11	0.07
32047	Core		<0.005	<0.1	<0.01	20.38	0.9	9.4	2.13	13.7	97	0.43	0.04	0.04	<0.02

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12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-254

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33394	Core	4.3	148	1.43	7.4	1.22	6.12	0.98	0.01	0.66	9.4	0.07	229	0.36	0.03
33395	Core	4.4	128	1.54	7.6	1.30	6.79	0.98	0.01	0.81	9.9	0.10	277	0.39	0.04
33396	Core	4.7	145	1.92	8.8	1.33	8.03	0.96	0.01	1.07	10.5	0.18	211	0.37	0.21
33397	Core	4.6	160	1.73	9.2	1.20	7.67	1.16	0.01	0.85	10.5	0.19	217	0.42	0.34
33398	Core	2.9	179	1.38	8.2	1.03	6.74	1.04	0.01	0.78	9.2	0.07	153	0.44	0.03
33399	Core	4.2	164	1.36	7.8	1.06	5.71	1.11	0.01	0.74	5.7	0.11	252	0.43	0.04
33400	Core	4.8	177	1.32	10.0	1.02	5.75	0.96	0.01	0.71	9.7	0.11	202	0.39	0.10
33401	Core	1.1	5	0.32	3.7	0.47	0.37	<0.05	<0.01	0.02	0.7	>10	221	0.44	<0.01
33402	Core	4.5	179	1.30	8.1	0.92	6.46	1.12	0.01	0.71	10.1	0.09	146	0.42	0.06
33403	Core	4.2	137	1.32	7.6	0.99	5.93	1.17	0.01	0.70	7.2	0.16	159	0.39	0.26
33404	Core	4.5	154	1.20	8.0	0.90	5.38	1.05	<0.01	0.59	5.8	0.09	198	0.39	0.04
33405	Core	3.3	169	1.53	8.9	1.13	6.02	1.04	0.01	0.92	7.5	0.08	165	0.40	0.04
33406	Core	12.6	159	5.81	51.0	2.50	32.81	1.13	0.07	5.74	18.3	0.43	363	0.49	0.26
33407	Core	5.0	146	1.55	21.3	1.71	6.67	0.93	0.02	0.69	20.2	0.08	346	0.41	0.04
33408	Core	7.6	189	2.13	13.5	2.55	10.18	1.13	0.05	1.42	12.0	0.18	929	0.56	0.05
33409	Core	27.3	147	7.27	51.9	5.00	33.44	1.45	0.07	5.11	33.3	0.72	449	0.80	0.24
33410	Core	28.2	132	6.68	64.7	5.23	33.41	1.73	0.08	4.91	41.9	0.87	290	0.93	0.20
33411	Core	38.5	134	6.78	55.4	5.35	31.44	1.57	0.09	4.90	43.2	0.91	375	0.63	0.22
33412	Core	18.2	147	6.33	51.0	4.64	29.89	1.62	0.07	4.46	49.3	0.97	477	0.63	0.20
33413	Core	18.4	114	5.65	51.0	4.80	24.47	1.23	0.07	4.34	39.1	0.93	570	0.62	0.20
33414	Core	18.8	120	5.76	55.1	4.80	23.96	1.29	0.07	3.86	43.7	0.93	469	0.81	0.20
33415	Core	22.2	101	6.37	55.5	5.13	27.63	1.37	0.08	4.58	49.8	1.04	480	0.58	0.25
33416	Core	22.7	100	7.10	63.3	5.22	28.10	1.09	0.07	4.32	45.4	1.09	822	0.56	0.25
33417	Core	19.3	112	6.87	52.0	4.30	30.14	1.16	0.08	4.79	39.1	0.91	541	0.43	0.28
33418	Core	26.0	117	7.54	58.6	4.92	31.38	1.21	0.08	4.93	50.3	0.93	347	0.83	0.29
33419	Core	23.8	128	9.71	67.9	5.13	36.13	1.20	0.10	5.96	49.5	0.96	363	0.67	0.36
33420	Core	2.9	185	1.10	10.2	2.42	4.82	0.81	0.01	0.50	76.0	0.80	787	0.42	0.03
33421	Core	13.1	126	3.57	32.5	4.52	16.80	1.07	0.05	2.35	46.1	1.12	697	0.52	0.14
33422	Core	25.2	136	7.07	60.3	4.56	29.47	1.37	0.08	4.59	45.2	0.87	311	1.03	0.28
33423	Core	19.0	127	8.25	52.2	4.38	31.64	1.35	0.08	5.04	43.4	0.85	273	0.70	0.30
33424	Core	17.4	111	6.99	47.3	5.45	26.81	1.14	0.06	4.13	43.7	1.12	725	0.67	0.25
33425	Core	15.7	108	8.03	52.4	4.62	28.73	1.23	0.08	4.56	33.3	0.90	604	0.54	0.29
33426	Core	16.3	101	7.66	52.6	5.23	28.37	1.33	0.08	4.35	56.0	1.06	572	0.51	0.26
33427	Core	22.4	100	8.39	58.0	5.01	27.85	1.11	0.08	4.40	28.7	1.00	889	0.62	0.27
32031	Core	1.8	247	0.79	5.7	1.09	3.31	1.86	0.01	0.36	3.3	0.04	27	0.53	0.02
32032	Core	2.3	272	0.68	4.1	1.06	2.76	1.93	0.01	0.32	2.5	0.03	22	0.53	0.01
32033	Core	1.3	273	0.42	5.4	0.96	1.44	1.68	<0.01	0.15	2.1	0.02	23	0.61	<0.01
32034	Core	1.4	212	0.55	3.3	0.66	2.15	1.48	<0.01	0.19	2.6	0.02	23	0.47	<0.01
32035	Core	1.9	247	0.66	3.4	1.06	3.14	1.53	<0.01	0.30	2.9	0.03	31	0.57	<0.01
32036	Core	2.9	229	1.34	10.0	1.18	6.74	1.18	0.02	0.75	11.4	0.09	108	0.48	0.02

INSPECTORATE
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Certificate of Analysis

12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
32037	Core	2.1	272	0.66	4.5	1.11	2.91	1.44	<0.01	0.28	3.1	0.03	49	0.66	<0.01
32038	Core	2.1	198	1.36	10.4	0.95	6.36	0.89	0.01	0.68	12.9	0.08	193	0.45	0.03
32039	Core	3.4	205	1.83	10.0	1.10	7.16	0.69	0.01	0.91	15.2	0.10	221	0.51	0.05
32040	Core	3.6	173	2.00	9.6	1.35	8.51	0.80	0.02	1.11	14.9	0.12	287	0.34	0.05
32041	Core	2.4	188	1.16	5.6	1.05	4.78	0.72	<0.01	0.55	8.4	0.08	226	0.40	0.03
32042	Core	4.1	180	1.84	12.2	1.61	8.00	0.63	0.01	1.03	12.1	0.15	279	0.40	0.05
32043	Core	3.0	205	1.31	10.0	1.04	6.07	0.82	<0.01	0.68	9.5	0.10	171	0.45	0.03
32044	Core	2.6	183	1.28	8.7	0.94	6.01	0.72	<0.01	0.71	7.8	0.08	160	0.47	0.03
32045	Core	2.6	175	1.06	11.6	0.92	4.52	0.60	<0.01	0.51	12.9	0.07	174	0.42	0.02
32046	Core	3.9	182	1.13	7.7	0.92	4.85	0.57	<0.01	0.62	8.9	0.07	159	0.43	0.03
32047	Core	1.8	171	1.13	7.4	0.86	5.23	0.62	<0.01	0.63	6.3	0.09	145	0.40	0.03

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12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-256

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33394	Core	1.4	6.6	102	5.5	0.002	1.22	2.6	0.027	<1.0	30.8	0.6	8.5	0.61	<0.05
33395	Core	1.5	8.2	79	8.2	0.004	1.07	2.8	0.056	<1.0	37.9	1.0	9.7	0.52	<0.05
33396	Core	1.2	9.1	106	10.2	<0.002	0.97	3.3	0.057	<1.0	48.0	0.7	15.9	0.51	<0.05
33397	Core	1.5	8.5	62	18.6	<0.002	1.50	2.8	0.210	1.7	42.7	0.7	33.5	0.39	<0.05
33398	Core	0.9	6.1	863	11.9	<0.002	1.29	2.3	0.065	<1.0	36.1	0.6	20.1	0.27	<0.05
33399	Core	1.0	6.2	72	20.2	<0.002	1.32	2.1	0.117	1.7	33.0	1.0	10.1	0.26	<0.05
33400	Core	1.2	8.8	115	15.8	<0.002	1.29	2.0	0.126	2.3	32.4	0.6	12.7	0.28	<0.05
33401	Core	0.8	7.1	151	<0.5	0.003	1.40	0.5	0.011	2.2	0.8	<0.2	46.3	1.74	<0.05
33402	Core	0.7	6.4	106	13.3	0.005	1.25	1.7	0.108	1.1	31.3	0.7	9.5	0.20	<0.05
33403	Core	0.8	7.5	111	11.7	<0.002	1.31	1.7	0.126	<1.0	31.7	0.8	16.1	0.15	<0.05
33404	Core	0.8	5.3	94	7.0	0.002	1.04	1.6	0.075	1.2	27.0	0.6	7.4	0.14	<0.05
33405	Core	0.8	7.4	86	10.1	<0.002	1.24	2.0	0.164	1.6	38.5	1.5	9.4	0.16	<0.05
33406	Core	2.9	33.3	2542	<0.5	0.002	3.14	20.0	0.284	1.7	220.4	3.0	83.5	0.82	<0.05
33407	Core	1.3	13.5	93	5.7	<0.002	1.32	3.3	0.167	1.1	30.7	0.6	13.4	0.18	<0.05
33408	Core	1.3	13.6	608	57.5	<0.002	2.18	3.7	0.860	<1.0	62.0	3.3	16.8	0.28	<0.05
33409	Core	5.1	49.9	228	14.3	0.003	8.69	20.5	2.380	1.4	234.0	3.4	70.8	0.84	0.36
33410	Core	10.2	53.1	239	23.0	0.004	9.24	21.3	2.272	1.0	236.4	3.2	59.2	1.07	0.16
33411	Core	6.1	54.2	212	35.2	0.011	8.88	21.4	2.166	2.2	229.7	3.2	65.9	0.69	0.26
33412	Core	5.2	43.6	1355	14.0	0.003	4.12	18.7	1.203	<1.0	213.0	2.7	90.4	0.65	0.08
33413	Core	5.5	45.3	150	17.4	0.003	5.66	18.5	1.675	1.6	188.7	2.5	63.5	0.58	0.22
33414	Core	5.4	41.9	1641	28.9	0.007	6.75	16.3	1.717	1.4	172.5	2.3	79.9	0.54	<0.05
33415	Core	3.7	46.8	293	25.6	0.006	7.82	18.5	1.702	1.4	199.0	2.5	74.8	0.47	0.11
33416	Core	2.5	43.0	207	28.4	0.003	6.39	17.9	1.644	1.3	196.6	2.4	83.4	0.34	0.07
33417	Core	4.5	37.6	88	17.0	0.004	6.52	19.0	1.422	1.5	211.0	2.6	77.4	0.53	0.23
33418	Core	5.8	51.0	207	20.7	0.004	8.86	21.1	1.948	2.5	229.8	2.9	88.4	0.61	0.22
33419	Core	3.7	49.8	458	24.9	0.003	7.38	23.6	1.727	<1.0	249.1	3.2	110.2	0.48	<0.05
33420	Core	0.8	13.0	147	2.0	<0.002	0.39	2.8	0.046	<1.0	22.4	0.5	57.4	0.07	<0.05
33421	Core	3.0	35.3	204	10.9	<0.002	2.70	10.3	0.495	<1.0	95.6	1.4	58.4	0.28	<0.05
33422	Core	6.1	47.0	199	27.3	0.005	7.00	19.6	1.485	1.3	203.6	2.6	75.8	0.51	0.18
33423	Core	5.5	43.6	131	14.2	0.005	6.03	20.3	1.299	1.1	226.5	3.1	82.4	0.53	0.16
33424	Core	5.0	42.8	414	10.8	0.003	4.06	16.8	0.803	<1.0	167.2	2.4	82.0	0.46	<0.05
33425	Core	4.2	40.6	311	12.9	0.004	4.74	19.4	0.986	1.5	213.5	2.6	96.1	0.47	0.05
33426	Core	4.6	46.1	506	5.8	<0.002	3.33	18.3	0.673	<1.0	193.4	2.4	82.8	0.47	<0.05
33427	Core	4.2	46.9	239	24.3	0.006	4.72	19.0	0.905	1.5	208.5	2.5	98.2	0.40	<0.05
32031	Core	0.7	5.0	16	37.9	<0.002	7.06	1.1	0.439	2.5	17.4	0.7	10.0	0.23	0.10
32032	Core	0.6	6.4	<10	53.6	0.002	5.28	1.0	0.424	8.5	15.3	0.4	7.3	0.10	0.10
32033	Core	0.3	5.7	11	7.3	<0.002	4.37	0.5	0.333	9.4	6.9	0.3	4.7	0.10	0.06
32034	Core	0.3	3.3	16	3.7	0.005	2.23	0.5	0.185	8.4	9.0	0.4	13.3	<0.05	<0.05
32035	Core	0.4	4.5	18	4.3	<0.002	3.56	0.9	0.404	10.7	14.5	0.4	13.2	0.09	0.10
32036	Core	0.9	6.5	82	10.5	0.002	2.40	2.1	0.301	6.2	35.3	0.6	67.1	0.22	<0.05

INSPECTORATE
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Certificate of Analysis

12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
32037	Core	0.4	5.7	31	23.5	0.002	3.42	0.8	0.388	9.3	13.2	0.4	20.7	0.07	0.06
32038	Core	0.8	5.6	109	9.5	0.004	0.67	1.9	0.098	5.3	33.0	0.7	17.5	0.21	0.07
32039	Core	1.3	8.4	236	6.3	0.003	0.39	2.7	0.077	5.1	44.2	0.8	16.7	0.19	<0.05
32040	Core	1.0	8.6	318	8.5	<0.002	0.37	3.5	0.087	3.6	49.1	0.7	16.7	0.21	<0.05
32041	Core	1.0	8.6	87	4.1	0.003	0.18	1.8	0.018	4.8	25.5	0.4	10.5	0.11	<0.05
32042	Core	1.4	9.7	296	19.3	<0.002	0.29	2.8	0.054	2.6	43.2	0.7	18.3	0.26	<0.05
32043	Core	0.6	7.3	214	7.3	<0.002	0.51	1.5	0.085	4.9	29.8	0.6	12.9	0.13	<0.05
32044	Core	1.3	6.3	130	2.6	0.003	0.31	1.7	0.068	3.5	32.4	0.5	11.6	0.14	<0.05
32045	Core	0.7	5.4	95	6.1	0.003	0.20	1.6	0.040	3.9	22.9	0.8	11.9	0.09	<0.05
32046	Core	0.8	5.1	485	9.6	0.004	0.41	1.8	0.115	5.2	28.3	0.5	17.5	0.13	0.06
32047	Core	0.9	5.2	126	0.9	0.003	0.17	1.8	0.028	5.2	29.8	0.5	14.6	0.10	<0.05

INSPECTORATE
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Certificate of Analysis

12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-258

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33394	Core	8.9	0.045	0.17	1.2	26	1.8	3.6	46	51.8
33395	Core	8.7	0.051	0.20	1.3	28	2.0	3.7	46	54.8
33396	Core	10.3	0.048	0.26	1.7	35	1.3	4.4	56	60.2
33397	Core	9.2	0.041	0.23	1.6	29	2.0	4.1	31	58.2
33398	Core	8.5	0.036	0.18	1.5	25	2.8	4.7	39	47.8
33399	Core	8.2	0.034	0.18	1.6	23	1.8	3.3	63	42.2
33400	Core	7.8	0.037	0.15	1.6	24	1.7	3.3	65	41.1
33401	Core	0.6	<0.005	<0.02	0.5	318	0.3	0.8	18	1.5
33402	Core	7.5	0.030	0.17	1.4	22	1.7	2.9	60	42.4
33403	Core	8.0	0.030	0.17	1.7	24	1.7	3.2	53	41.0
33404	Core	7.1	0.028	0.15	1.4	19	1.4	2.9	54	37.8
33405	Core	8.8	0.036	0.24	1.8	24	2.1	3.4	49	41.4
33406	Core	18.5	0.142	1.19	4.8	149	2.6	10.8	74	90.3
33407	Core	8.0	0.032	0.17	1.8	29	3.3	3.4	87	58.5
33408	Core	9.7	0.045	0.34	2.4	40	4.0	6.2	157	63.5
33409	Core	17.1	0.207	1.18	4.3	151	2.8	7.1	96	100.3
33410	Core	18.6	0.327	1.21	4.6	152	4.5	8.5	122	112.8
33411	Core	18.4	0.247	1.27	4.2	152	2.9	8.1	113	110.8
33412	Core	18.3	0.230	1.11	4.0	144	3.8	14.0	104	102.5
33413	Core	15.3	0.217	1.06	3.9	138	1.9	6.8	123	95.4
33414	Core	16.1	0.216	1.01	3.8	128	1.7	11.3	133	83.5
33415	Core	14.2	0.156	1.07	4.0	147	1.0	5.7	123	83.8
33416	Core	14.2	0.129	1.04	3.5	142	1.0	6.5	133	72.9
33417	Core	14.8	0.176	1.17	4.3	141	1.3	5.4	119	77.1
33418	Core	16.7	0.249	1.10	4.4	152	1.4	7.2	129	107.1
33419	Core	19.2	0.194	0.15	4.7	175	1.6	7.5	125	103.5
33420	Core	4.2	0.028	0.12	0.7	40	0.3	3.4	59	22.6
33421	Core	10.8	0.115	0.52	2.3	103	0.7	5.2	93	57.1
33422	Core	14.8	0.229	1.08	3.8	139	1.6	8.7	113	86.5
33423	Core	15.4	0.179	1.27	4.4	146	1.5	5.6	109	85.9
33424	Core	12.1	0.184	0.95	3.8	144	1.6	7.8	115	81.9
33425	Core	13.2	0.176	1.11	3.9	141	2.1	5.7	110	79.5
33426	Core	14.0	0.189	1.04	4.3	145	1.9	6.6	124	85.4
33427	Core	12.4	0.170	1.01	3.6	142	2.0	5.9	114	76.7
32031	Core	1.5	0.019	0.10	0.3	11	1.2	0.6	5	8.1
32032	Core	0.7	0.015	0.09	0.2	9	0.7	0.4	10	3.9
32033	Core	0.6	0.008	0.05	0.2	5	0.5	0.3	4	4.2
32034	Core	2.0	0.009	0.06	0.3	7	0.5	0.7	3	8.9
32035	Core	2.7	0.013	0.07	0.4	9	0.7	0.9	7	14.8
32036	Core	7.2	0.033	0.19	1.3	23	1.4	2.6	13	35.7

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Certificate of Analysis

12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
32037	Core	2.3	0.014	0.07	0.5	8	0.7	1.5	8	25.4
32038	Core	5.6	0.029	0.20	1.2	20	1.1	2.3	14	34.8
32039	Core	6.8	0.037	0.26	1.3	27	1.0	2.8	16	31.7
32040	Core	7.6	0.052	0.29	1.3	35	1.1	3.3	52	39.4
32041	Core	4.6	0.031	0.15	0.8	19	0.6	2.1	14	24.1
32042	Core	6.7	0.047	0.28	1.7	32	0.9	3.0	25	32.2
32043	Core	5.1	0.025	0.18	1.3	21	0.8	2.3	16	31.2
32044	Core	5.3	0.027	0.20	1.1	21	0.8	2.4	11	29.5
32045	Core	6.3	0.026	0.14	0.9	18	0.7	2.4	10	37.5
32046	Core	6.4	0.031	0.18	1.4	19	0.6	3.3	22	30.7
32047	Core	5.4	0.028	0.18	0.9	19	0.7	2.2	13	26.1

INSPECTORATE
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Certificate of Analysis

12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-260

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33394	Core				0.26	31.35	1.9	14.0	2.87	138.8	108	0.81	0.06	0.04	0.28
33394 Dup					0.28	39.12	1.6	16.1	2.82	139.7	107	0.59	0.04	0.04	0.31
QCV1207-02175-0002-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-DS-1 expected					0.47				4.48	6930.0	221				
STD-DS-1 result					0.44				4.36	6645.6	215				
33412	Core				0.18	72.15	3.3	35.5	>10	45.2	847	3.74	0.40	0.76	0.16
33412 Dup					0.11	89.71	3.2	43.6	>10	41.2	868	3.44	0.40	0.76	0.16
QCV1207-02175-0005-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-CDN-ME-6 expected					101.00										
STD-CDN-ME-6 result					98.64										
32033	Core				0.29	3.26	<0.1	1.7	0.36	6943.8	26	0.12	0.21	0.01	0.03
32033 Dup					0.27	3.50	0.1	1.8	0.36	6829.8	26	0.22	0.21	0.01	0.05
QCV1207-02175-0008-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-OREAS92-4A expected					0.70								2.44		
STD-OREAS92-4A result					1.01	93.51	3.8	45.5	7.49		408	2.98	2.37		
QCV1207-02175-0010-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
33394	Core			0.2											
33394 Dup				0.2											
QCV1207-02176-0002-BLK				<0.1											
STD-Oreas501 expected				0.7											
STD-Oreas501 result				0.9											
33412	Core			0.2											
33412 Dup				0.2											
QCV1207-02176-0005-BLK				<0.1											
STD-OREAS-903 expected				0.3											
STD-OREAS-903 result				0.3											
32033	Core			0.1											
32033 Dup				0.2											
QCV1207-02176-0008-BLK				<0.1											
STD-OREAS-903 expected				0.3											
STD-OREAS-903 result				0.4											
QCV1207-02176-0010-BLK				<0.1											
33394	Core		0.083												
33394 Dup			0.099												
QCV1207-02177-0002-BLK			<0.005												
33420	Core		<0.005												
33420 Dup			<0.005												
STD-OxJ95 expected			2.337												
STD-OxJ95 result			2.260												
QCV1207-02177-0006-BLK			<0.005												

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12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
STD-OxC102 expected			0.207												
STD-OxC102 result			0.190												

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12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33394	Core	4.3	148	1.43	7.4	1.22	6.12	0.98	0.01	0.66	9.4	0.07	229	0.36	0.03
33394 Dup		4.2	131	1.51	7.7	1.19	6.94	0.96	<0.01	0.66	10.9	0.07	226	0.37	0.03
QCV1207-02175-0002-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-DS-1 expected		9.5			27.1							2.76	437		
STD-DS-1 result		10.6			28.2							2.72	445		
33412	Core	18.2	147	6.33	51.0	4.64	29.89	1.62	0.07	4.46	49.3	0.97	477	0.63	0.20
33412 Dup		16.5	152	6.25	46.1	4.73	27.75	1.51	0.07	4.56	49.1	1.00	481	0.58	0.21
QCV1207-02175-0005-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-CDN-ME-6 expected					6130.0										
STD-CDN-ME-6 result					6196.8										
32033	Core	1.3	273	0.42	5.4	0.96	1.44	1.68	<0.01	0.15	2.1	0.02	23	0.61	<0.01
32033 Dup		1.7	281	0.52	4.9	1.02	1.54	2.09	<0.01	0.15	2.3	0.02	26	0.78	<0.01
QCV1207-02175-0008-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected		16.3			2294.0										
STD-OREAS92-4A result		16.4		7.20	2244.0	4.31	23.07		0.36	2.85	27.0	1.41		0.34	0.49
QCV1207-02175-0010-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01

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12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33394	Core	1.4	6.6	102	5.5	0.002	1.22	2.6	0.027	<1.0	30.8	0.6	8.5	0.61	<0.05
33394 Dup		1.3	6.7	101	6.7	0.003	1.01	3.1	0.025	<1.0	34.6	0.6	8.8	0.66	<0.05
QCV1207-02175-0002-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-DS-1 expected			48.7	340	13.8										
STD-DS-1 result			48.2	318	10.8										
33412	Core	5.2	43.6	1355	14.0	0.003	4.12	18.7	1.203	<1.0	213.0	2.7	90.4	0.65	0.08
33412 Dup		5.3	42.7	1369	13.1	0.006	3.64	19.2	1.218	1.1	196.2	2.5	82.2	0.52	0.13
QCV1207-02175-0005-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-CDN-ME-6 expected					10200										
STD-CDN-ME-6 result					>10000								175.9		
32033	Core	0.3	5.7	11	7.3	<0.002	4.37	0.5	0.333	9.4	6.9	0.3	4.7	0.10	0.06
32033 Dup		0.3	4.2	<10	8.5	<0.002	4.94	0.6	0.333	9.0	7.5	0.3	5.1	<0.05	0.14
QCV1207-02175-0008-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected					9.8		1.16			3.8		10.6			
STD-OREAS92-4A result		13.9		606	8.0		1.21	14.4		4.3	197.9	10.3	37.0		
QCV1207-02175-0010-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05

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12-360-05140-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33394	Core	8.9	0.045	0.17	1.2	26	1.8	3.6	46	51.8
33394 Dup		8.6	0.039	0.16	1.3	26	2.0	3.5	46	53.7
QCV1207-02175-0002-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected									206	
STD-DS-1 result									206	
33412	Core	18.3	0.230	1.11	4.0	144	3.8	14.0	104	102.5
33412 Dup		18.5	0.195	1.07	4.0	147	3.3	11.2	104	91.1
QCV1207-02175-0005-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected									5170	
STD-CDN-ME-6 result									5091	
32033	Core	0.6	0.008	0.05	0.2	5	0.5	0.3	4	4.2
32033 Dup		0.6	0.008	0.05	0.2	5	0.6	0.4	3	3.6
QCV1207-02175-0008-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		16.2					2.4	25.8	84	123.7
QCV1207-02175-0010-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5

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12-360-05140-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

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Attention: Bonnie Spence
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Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-011**
Client Reference: **Core-12-011**
Description: **3 ACE**

Date Received: 08/20/2012
Date Completed: 08/28/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	8	Core	

Location	Quantity	Method	Description
Vancouver, BC	8	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____
Sofia Devota – Operations Manager

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12-360-05140-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
32031	Core	1.84	1.71	1.79	3.95	475.44	19.99	495.43
32032	Core	10.19	2.82	2.84	241.28	477.20	15.19	492.39
32033	Core	7.67	2.55	2.42	94.21	465.41	27.90	493.30
32034	Core	1.94	0.67	0.85	36.37	485.09	16.52	501.61
32035	Core	0.36	0.23	0.26	2.86	487.51	23.16	510.66
32036	Core	0.29	0.24	0.28	1.02	480.06	18.13	498.19
32037	Core	1.46	0.68	0.84	18.42	444.16	18.43	462.59
32038	Core	0.02	0.02	0.02	0.01	476.12	34.56	510.68

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12-360-05140-02

Northern Tiger Resources
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Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1208-01372-0001-BLK		<0.01						29.17
QCV1208-01372-0002-BLK		<0.01						29.17
STD-OxG84 expected		0.92						
STD-OxG84 result		0.88						

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12-360-05140-03

Inspectorate Exploration & Mining Services Ltd.
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Phone: 604-272-7818

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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-011**
Client Reference: **Core-12-011**
Description: **3 ACE**

Date Received: 10/12/2012
Date Completed: 10/22/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	20	Core	

Location	Quantity	Method	Description
Vancouver, BC	20	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota -- Operations Manager

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12-360-05140-03

Northern Tiger Resources
#220 17010 103rd Ave
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Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33396	Core	0.37	0.31	0.37	3.38	503.56	6.15	509.71
33397	Core	0.55	0.40	0.40	15.36	498.57	4.82	503.39
33398	Core	0.31	0.25	0.30	1.68	485.42	13.72	499.14
33399	Core	1.69	1.03	1.13	45.04	494.33	6.97	501.30
33400	Core	0.19	0.06	0.08	6.54	503.67	9.22	512.88
33403	Core	0.60	0.64	0.56	0.52	477.00	7.62	484.62
33404	Core	0.31	0.25	0.23	4.49	490.69	8.96	499.65
33405	Core	0.35	0.28	0.25	5.29	361.68	5.84	367.52
33406	Core	0.02	0.03	0.02	0.03	483.00	19.53	502.53
33407	Core	0.15	0.15	0.16	0.16	497.33	7.11	504.44
33408	Core	0.24	0.21	0.20	1.63	447.47	13.51	460.98
32039	Core	0.01	0.01	<0.01	<0.01	480.43	22.87	503.30
32040	Core	<0.01	<0.01	<0.01	<0.01	418.42	26.34	444.76
32041	Core	3.06	1.31	1.32	33.08	447.95	26.06	474.00
32042	Core	<0.01	<0.01	<0.01	0.02	494.02	10.91	504.93
32043	Core	0.44	0.13	0.09	28.95	491.38	5.73	497.11
32044	Core	0.01	0.02	<0.01	<0.01	476.16	29.10	505.26
32045	Core	<0.01	<0.01	<0.01	<0.01	494.62	19.72	514.33
32046	Core	<0.01	<0.01	<0.01	<0.01	460.12	8.45	468.57
32047	Core	<0.01	<0.01	<0.01	<0.01	513.57	4.58	518.14

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12-360-05140-03

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1210-01046-0001-BLK		<0.01						29.17
QCV1210-01046-0002-BLK		<0.01						29.17

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12-360-05141-01

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Distribution List

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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-009**
Client Reference: **Core-12-009**
Description: **3 ACE**

Date Received: 07/30/2012
Date Completed: 08/10/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	58	Core	

Location	Quantity	Method	Description
Vancouver, BC	58	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	58	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	58	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____
Sofia Devota -- Operations Manager

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12-360-05141-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
31854	Core	0.024	<0.1	0.09	26.35	1.2	11.9	2.21	128.7	95	0.68	0.10	0.06	0.05	3.4
31855	Core	0.141	<0.1	0.02	25.45	0.9	11.1	2.10	2308.3	117	1.18	0.06	0.04	0.07	3.6
31856	Core	<0.005	<0.1	0.01	27.75	1.1	11.3	3.06	1172.8	161	1.17	0.11	0.03	0.12	3.3
31857	Core	<0.005	<0.1	<0.01	22.93	1.0	9.9	2.22	238.6	82	0.73	0.05	0.07	0.23	2.4
31858	Core	<0.005	<0.1	0.88	16.61	0.6	7.4	1.91	1387.7	69	0.67	0.05	0.04	0.11	5.1
31859	Core	<0.005	<0.1	<0.01	18.03	0.7	7.7	1.48	215.1	54	0.58	0.07	0.04	0.22	3.2
31860	Core	0.053	0.1	0.19	19.17	0.7	8.4	1.68	2981.3	70	0.69	0.05	0.04	0.09	5.2
31861	Core	0.057	<0.1	0.07	28.59	0.9	12.1	2.35	2710.5	150	1.16	0.09	0.13	0.13	7.1
31862	Core	0.392	<0.1	0.16	23.04	0.7	10.2	2.28	5389.6	141	1.04	0.12	0.07	0.12	6.1
31863	Core	0.029	<0.1	0.42	59.72	3.4	29.3	>10	113.3	935	6.36	0.31	0.15	0.26	19.0
31864	Core	0.154	<0.1	0.49	52.44	3.0	23.4	>10	2537.7	860	6.11	0.29	0.32	0.39	17.2
31865	Core	0.034	<0.1	0.12	54.19	3.2	26.6	>10	454.9	782	4.99	0.24	0.37	0.29	18.6
31962	Core	0.012	<0.1	0.04	74.95	3.1	35.6	>10	188.1	686	3.97	0.30	0.05	0.80	15.7
31963	Core	0.006	<0.1	0.15	88.67	3.1	40.8	>10	105.0	683	3.82	0.35	0.06	0.32	15.1
31964	Core	0.026	<0.1	0.07	49.76	3.1	22.4	>10	150.7	921	5.33	0.27	0.15	0.48	17.3
31965	Core	<0.005	<0.1	0.10	47.88	2.4	20.4	5.22	861.9	219	1.24	0.09	0.16	0.10	8.7
31966	Core	<0.005	0.4	0.17	23.84	0.9	9.9	2.52	737.6	105	0.84	0.07	0.27	0.15	8.8
31967	Core	0.036	<0.1	0.40	30.46	1.0	12.3	3.05	1920.1	182	1.39	0.08	0.31	0.10	8.0
31968	Core	0.008	<0.1	0.05	40.71	1.6	17.9	4.74	611.8	349	2.20	0.06	0.28	0.10	6.5
31969	Core	0.040	<0.1	0.82	34.70	1.5	13.2	2.65	1332.3	139	1.10	0.06	0.33	0.06	5.3
31970	Core	<0.005	<0.1	0.25	28.24	1.1	11.0	2.46	608.0	95	0.91	0.03	0.04	0.07	4.3
31971	Core	0.005	<0.1	0.17	44.49	1.9	18.7	4.40	590.3	285	1.63	0.11	0.18	0.06	7.7
31972	Core	0.039	<0.1	0.05	46.40	3.3	20.9	7.82	5631.3	629	3.65	0.14	0.07	0.15	13.9
31973	Core	0.009	<0.1	<0.01	20.00	0.8	7.9	1.58	2560.0	57	0.76	0.04	0.04	0.05	5.4
31974	Core	<0.005	<0.1	0.08	13.60	0.6	5.5	1.16	1350.6	39	0.31	0.02	0.03	0.07	5.5
31975	Core	1.514	<0.1	0.39	22.33	1.2	9.3	6.99	11.9	512	0.87	0.16	2.75	0.27	13.5
31976	Core	0.039	<0.1	<0.01	8.46	0.4	3.6	0.93	4375.4	24	0.18	0.03	0.04	0.03	2.9
31977	Core	<0.005	<0.1	0.06	25.26	1.1	10.0	1.97	2149.9	65	0.47	0.05	0.08	0.04	4.4
31978	Core	0.009	<0.1	<0.01	53.60	2.4	20.5	5.07	2345.8	335	2.30	0.06	0.12	0.08	8.8
31979	Core	0.017	<0.1	<0.01	15.41	0.7	6.1	1.42	4563.6	75	0.60	0.03	0.03	0.04	2.6
31980	Core	0.005	<0.1	<0.01	15.10	0.6	5.6	1.17	1187.4	54	0.58	0.03	0.21	0.12	3.2
31981	Core	<0.005	<0.1	<0.01	28.31	1.4	10.9	2.31	806.6	97	0.68	0.03	1.37	0.07	3.1
31982	Core	0.009	<0.1	<0.01	28.76	1.4	11.8	2.25	2870.1	86	0.69	0.06	0.37	0.03	3.4
31983	Core	<0.005	<0.1	0.02	31.01	1.1	11.8	2.35	285.0	90	0.58	0.05	0.40	0.09	4.1
31984	Core	0.032	<0.1	0.06	14.10	0.6	6.1	1.10	6044.8	47	0.36	0.09	0.04	0.12	2.4
31985	Core	0.360	<0.1	0.06	26.61	1.5	11.7	2.21	>10000	151	0.81	0.12	0.21	0.10	9.0
31986	Core	0.014	<0.1	<0.01	26.52	1.1	11.2	2.17	2213.8	70	0.46	0.04	0.11	0.05	3.0
31987	Core	<0.005	<0.1	<0.01	34.68	1.4	15.7	2.73	287.6	80	0.37	0.04	0.26	0.02	3.4
31988	Core	<0.005	<0.1	<0.01	34.36	1.3	13.7	2.64	579.0	76	0.43	0.04	0.27	0.02	3.5
31989	Core	<0.005	<0.1	<0.01	38.61	1.6	16.5	4.12	24.9	183	0.75	0.07	0.33	0.06	5.6

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12-360-05141-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-273

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33361	Core	<0.005	0.1	0.24	89.21	3.3	44.8	>10	26.9	843	3.88	0.43	0.09	0.48	16.8
33362	Core	<0.005	<0.1	0.22	61.69	2.8	30.0	8.44	25.1	409	2.10	0.22	0.10	0.33	16.1
33363	Core	0.023	<0.1	0.26	117.71	4.0	55.9	>10	75.7	1089	4.66	0.43	0.16	1.39	16.5
33364	Core	0.188	0.5	0.65	45.60	1.5	20.6	4.90	316.1	244	1.46	0.16	0.05	1.54	8.3
33365	Core	1.369	0.2	0.30	21.97	1.5	9.6	7.02	14.0	486	0.83	0.18	2.83	0.25	12.5
33366	Core	0.133	1.2	1.00	31.56	1.3	13.5	3.31	393.4	116	0.74	0.06	0.05	1.47	12.2
33367	Core	0.328	0.4	0.25	46.14	2.1	21.8	4.84	618.7	209	1.41	0.08	0.10	1.28	11.3
33368	Core	0.016	0.1	0.12	124.71	4.1	65.7	>10	176.6	1079	5.17	0.49	1.13	0.76	19.3
33369	Core	0.005	1.3	0.32	37.02	1.8	16.6	5.47	103.2	231	1.21	0.13	0.08	1.24	10.8
33370	Core	6.793	0.4	0.38	73.57	3.8	35.0	>10	729.4	728	3.31	0.47	0.04	2.21	11.6
33371	Core	0.073	0.5	0.18	36.75	1.6	16.0	3.85	351.1	152	0.88	0.07	0.05	3.19	10.0
33372	Core	0.040	0.3	0.18	28.26	1.2	12.3	2.52	207.6	104	0.67	0.06	0.04	1.12	6.3
33373	Core	0.011	0.2	0.08	27.75	1.2	12.0	2.53	99.0	89	0.49	0.05	0.04	1.21	5.7
33374	Core	0.249	0.2	0.22	75.89	5.2	37.9	>10	177.2	975	4.17	0.60	0.15	3.84	16.0
33375	Core	0.011	0.4	0.15	38.06	1.6	17.2	3.02	337.7	130	0.68	0.09	0.02	1.40	5.6
33376	Core	0.027	0.5	0.52	29.76	1.4	12.6	2.95	234.9	134	0.55	0.10	0.02	0.65	4.0
33377	Core	<0.005	0.2	0.06	33.71	1.4	14.3	2.86	70.1	126	0.43	0.08	0.02	0.48	4.2
33378	Core	<0.005	0.2	0.10	42.44	1.9	19.9	3.38	74.2	169	0.70	0.10	0.05	0.49	5.0

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-274

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
31854	Core	169	1.15	27.0	1.06	4.91	0.90	0.01	0.57	7.8	0.08	308	0.41	0.02	1.0
31855	Core	232	1.37	15.7	0.89	6.12	1.37	0.02	0.71	9.0	0.09	183	0.61	0.02	0.6
31856	Core	172	1.56	14.7	0.90	7.28	1.07	0.01	0.97	9.3	0.11	178	0.45	0.04	0.8
31857	Core	184	1.20	11.2	0.91	4.53	1.03	<0.01	0.56	12.2	0.12	225	0.42	0.23	0.7
31858	Core	248	0.90	11.2	0.71	4.02	1.07	<0.01	0.50	6.0	0.07	108	0.54	0.04	0.5
31859	Core	225	0.86	8.9	0.70	3.26	1.10	<0.01	0.32	7.8	0.05	183	0.52	0.02	0.5
31860	Core	226	0.93	9.5	0.85	4.18	1.12	0.01	0.45	7.5	0.07	220	0.51	0.02	0.6
31861	Core	235	1.36	10.4	1.00	6.11	1.20	0.01	0.88	14.0	0.10	239	0.65	0.02	0.7
31862	Core	225	1.14	9.6	1.17	5.93	1.22	0.01	0.82	9.3	0.10	125	0.64	0.03	0.7
31863	Core	157	6.28	47.2	4.03	32.10	1.76	0.08	5.26	43.0	0.68	232	0.61	0.18	4.4
31864	Core	184	5.56	49.2	5.48	30.96	1.84	0.08	5.04	40.3	0.87	301	0.62	0.16	3.0
31865	Core	167	5.59	54.1	5.54	30.08	1.68	0.07	4.64	52.7	0.97	273	0.48	0.15	2.7
31962	Core	162	4.59	49.9	5.84	23.75	1.70	0.07	4.06	40.8	0.41	472	0.45	0.16	2.4
31963	Core	174	4.74	41.0	4.55	23.42	1.60	0.07	4.04	40.4	0.59	368	0.53	0.21	2.8
31964	Core	144	6.65	45.6	4.82	30.65	1.57	0.09	5.28	42.5	0.87	372	0.46	0.22	2.2
31965	Core	168	2.31	12.0	2.90	11.21	1.35	0.03	1.53	33.6	0.57	488	0.47	0.65	1.4
31966	Core	229	1.25	12.2	1.54	5.24	1.16	0.01	0.69	10.0	0.21	372	0.44	0.35	0.7
31967	Core	200	1.62	22.6	1.58	8.18	1.29	0.02	1.11	12.9	0.29	330	0.54	0.24	0.9
31968	Core	214	2.57	22.8	1.63	12.06	1.14	0.03	2.04	12.7	0.33	328	0.47	0.16	1.6
31969	Core	225	1.50	13.3	0.99	6.47	1.21	0.01	0.88	19.0	0.15	240	0.53	0.13	0.9
31970	Core	225	1.17	14.9	1.12	5.37	1.13	0.01	0.61	9.9	0.09	275	0.46	0.02	0.8
31971	Core	203	2.03	14.6	1.51	9.80	1.08	0.02	1.68	20.1	0.30	204	0.53	0.54	1.6
31972	Core	227	3.91	18.7	2.26	21.39	1.35	0.05	3.36	22.4	0.31	317	0.70	0.12	2.3
31973	Core	258	0.96	8.1	1.08	3.67	1.22	0.01	0.36	7.3	0.07	311	0.64	0.01	0.6
31974	Core	276	0.71	8.8	0.83	2.29	1.10	<0.01	0.27	5.1	0.06	251	0.48	0.01	0.4
31975	Core	65	1.02	51.8	4.42	13.29	1.16	0.06	1.31	16.2	1.37	793	9.62	2.34	4.4
31976	Core	246	0.52	4.2	0.71	1.64	1.14	<0.01	0.16	3.7	0.03	66	0.60	0.01	0.3
31977	Core	218	1.01	5.5	1.12	4.01	1.06	<0.01	0.51	10.5	0.16	143	0.48	0.38	0.8
31978	Core	197	2.97	14.7	1.59	13.19	1.18	0.03	2.08	17.7	0.29	189	2.63	0.29	1.8
31979	Core	233	1.00	2.4	0.72	4.11	1.24	0.01	0.51	9.4	0.07	55	0.62	0.01	0.6
31980	Core	222	0.91	2.2	0.86	3.14	1.19	0.01	0.31	7.4	0.13	470	0.61	0.02	0.5
31981	Core	206	1.05	2.4	1.07	4.81	0.95	0.01	0.67	10.3	0.22	648	0.42	0.47	0.8
31982	Core	204	0.97	3.7	1.03	4.66	1.17	0.01	0.60	9.2	0.20	190	0.57	0.74	0.8
31983	Core	200	1.12	4.0	1.00	4.84	0.94	0.01	0.60	11.2	0.21	238	0.45	0.64	0.7
31984	Core	175	0.70	19.1	0.86	2.53	1.25	0.02	0.28	4.7	0.04	124	0.70	0.01	0.5
31985	Core	254	1.42	3.4	2.25	5.37	1.57	0.05	0.90	5.6	0.10	129	0.83	0.03	1.8
31986	Core	196	1.21	1.3	1.07	4.04	1.25	<0.01	0.49	9.1	0.15	172	0.52	0.35	1.0
31987	Core	170	1.12	1.9	1.16	4.53	0.90	0.01	0.61	15.9	0.26	139	0.41	0.86	0.8
31988	Core	177	1.11	2.5	1.20	4.50	0.93	0.01	0.53	17.5	0.28	153	0.48	0.81	0.8
31989	Core	161	1.82	8.3	1.65	8.59	1.01	0.02	1.20	26.0	0.38	207	0.38	0.70	1.3

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12-360-05141-01

Northern Tiger Resources
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Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33361	Core	111	8.19	58.1	5.49	29.75	1.73	0.08	4.59	92.9	1.05	380	0.39	0.36	7.9
33362	Core	161	4.30	31.2	5.62	17.06	1.50	0.04	2.53	83.9	0.94	591	0.49	0.15	3.8
33363	Core	153	10.41	138.9	4.33	35.93	1.59	0.09	6.06	57.0	0.68	364	0.93	0.41	5.9
33364	Core	175	2.71	85.2	2.01	10.44	1.13	0.06	1.54	23.4	0.13	439	0.48	0.09	1.7
33365	Core	62	1.05	45.2	4.58	12.63	1.20	0.06	1.28	17.8	1.35	785	9.70	2.41	4.4
33366	Core	185	1.66	43.9	1.83	6.03	0.94	0.01	0.74	16.7	0.06	467	0.52	0.06	0.8
33367	Core	219	2.92	14.3	2.48	9.91	1.26	0.02	1.44	24.2	0.22	552	0.56	0.32	1.7
33368	Core	182	9.55	51.3	3.58	33.62	1.55	0.08	6.03	26.5	0.34	885	0.65	0.41	4.4
33369	Core	191	2.76	21.1	2.87	10.21	1.15	0.03	1.47	36.6	0.27	612	0.44	0.10	1.3
33370	Core	207	7.10	35.1	2.68	24.84	1.36	0.06	4.21	17.1	0.19	803	0.65	0.27	3.5
33371	Core	190	1.92	10.8	2.45	8.16	1.10	0.02	1.04	15.9	0.18	571	0.48	0.05	1.2
33372	Core	178	1.50	19.7	1.63	5.47	0.94	0.02	0.59	14.6	0.07	524	0.51	0.04	1.0
33373	Core	181	1.41	17.3	1.56	5.25	1.02	0.02	0.56	18.7	0.12	209	0.42	0.04	1.3
33374	Core	164	8.10	59.8	3.42	31.44	1.18	0.09	5.14	35.8	0.35	436	0.55	0.36	5.9
33375	Core	167	2.05	16.4	1.61	6.59	0.96	0.05	0.78	15.2	0.06	131	0.40	0.04	1.1
33376	Core	174	1.97	10.8	1.11	5.97	0.86	0.02	0.83	10.6	0.05	97	0.41	0.05	1.1
33377	Core	199	1.49	8.0	1.00	5.71	0.87	0.01	0.64	9.3	0.05	168	0.45	0.05	1.3
33378	Core	206	1.79	9.4	1.37	6.63	0.87	0.01	0.91	10.0	0.12	247	0.50	0.06	1.2

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-276

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
31854	Core	6.9	166	13.9	0.002	0.43	1.9	0.051	2.4	27.6	0.6	9.5	0.18	0.74	6.4
31855	Core	9.2	115	18.0	<0.002	1.31	2.5	0.155	<1.0	36.1	0.7	9.5	0.06	3.78	5.1
31856	Core	10.2	51	30.1	<0.002	0.88	3.1	0.119	<1.0	44.8	2.9	11.4	0.07	0.15	5.7
31857	Core	6.9	77	11.9	<0.002	0.42	2.0	0.042	6.3	26.0	4.9	11.2	0.07	1.60	4.9
31858	Core	6.3	107	7.2	<0.002	0.83	1.2	0.108	2.3	22.3	1.4	7.3	0.05	<0.05	3.7
31859	Core	5.8	120	8.4	<0.002	0.44	1.2	0.052	<1.0	17.4	0.7	7.3	<0.05	<0.05	4.0
31860	Core	6.6	116	9.6	0.002	1.32	1.3	0.175	4.4	25.9	0.7	7.2	0.06	<0.05	4.3
31861	Core	7.7	460	15.5	<0.002	1.39	2.5	0.237	<1.0	38.6	1.0	16.2	0.06	<0.05	5.4
31862	Core	11.1	269	18.2	0.003	2.27	2.5	0.357	<1.0	39.0	1.1	11.8	0.06	<0.05	4.5
31863	Core	44.6	241	17.3	<0.002	2.44	20.9	0.366	4.4	250.0	3.0	75.8	0.48	4.47	18.1
31864	Core	46.4	468	37.5	0.002	3.00	19.8	0.542	5.3	223.7	2.9	80.2	0.31	4.09	17.9
31865	Core	45.3	1002	23.4	0.003	2.00	19.3	0.577	11.2	203.2	2.4	85.3	0.32	4.72	19.5
31962	Core	38.7	264	14.5	0.004	1.88	16.7	0.099	8.5	174.8	2.2	78.2	0.24	1.18	18.3
31963	Core	35.4	233	20.0	0.003	1.80	17.3	0.055	<1.0	183.3	2.4	49.1	0.26	2.91	19.1
31964	Core	43.0	294	16.0	0.004	1.98	21.3	0.308	1.9	242.0	3.0	77.5	0.23	6.17	17.8
31965	Core	20.1	80	18.1	0.003	0.89	6.8	0.108	<1.0	64.1	0.9	31.2	0.12	1.33	11.7
31966	Core	11.1	130	9.4	0.002	0.86	3.0	0.134	7.3	29.9	0.8	34.7	0.06	<0.05	6.0
31967	Core	13.9	87	17.0	<0.002	1.39	4.4	0.173	<1.0	50.8	0.9	38.5	0.07	1.85	6.5
31968	Core	14.4	163	11.3	0.004	1.05	7.3	0.159	4.1	86.0	1.2	37.3	0.13	3.06	9.4
31969	Core	7.6	875	19.0	0.005	1.06	2.9	0.107	2.8	37.2	0.8	39.0	0.08	1.24	7.7
31970	Core	8.5	80	9.0	<0.002	0.77	2.8	0.094	<1.0	27.6	0.6	8.0	0.06	1.54	6.5
31971	Core	13.8	131	11.4	0.003	0.74	6.3	0.079	2.5	63.9	1.0	33.1	0.13	5.85	10.1
31972	Core	26.8	122	8.0	0.003	3.08	13.9	0.407	<1.0	158.6	2.1	38.4	0.20	5.16	16.9
31973	Core	8.0	56	10.2	0.004	1.34	2.0	0.147	6.0	19.2	0.5	7.8	<0.05	0.82	4.5
31974	Core	6.2	105	5.1	0.003	0.86	1.3	0.082	3.2	12.3	0.5	5.2	<0.05	0.05	3.3
31975	Core	38.8	657	12.2	0.006	2.43	19.4	0.044	6.9	27.5	2.0	376.2	0.26	<0.05	1.9
31976	Core	6.0	99	5.3	<0.002	1.73	0.7	0.213	4.4	7.9	0.4	5.2	<0.05	1.07	2.2
31977	Core	8.4	106	9.4	0.003	1.23	2.1	0.129	4.5	21.4	0.5	15.0	0.06	1.53	7.0
31978	Core	16.4	211	7.0	0.008	1.66	7.0	0.206	3.8	95.1	1.3	28.3	0.17	4.09	12.9
31979	Core	7.7	54	3.7	<0.002	2.24	2.0	0.241	<1.0	26.1	0.5	7.2	<0.05	<0.05	3.7
31980	Core	7.8	46	6.3	0.003	0.91	2.1	0.076	<1.0	18.0	0.4	13.8	<0.05	<0.05	3.0
31981	Core	7.8	93	5.9	0.003	0.66	2.7	0.060	3.4	29.3	0.7	89.9	0.07	1.15	7.2
31982	Core	8.2	143	14.3	0.003	1.60	2.5	0.175	<1.0	26.5	0.5	44.1	0.07	<0.05	7.7
31983	Core	8.2	45	19.1	<0.002	0.49	2.7	0.041	<1.0	26.5	0.5	39.9	0.06	0.52	6.5
31984	Core	7.9	145	20.8	0.003	3.44	1.4	0.319	<1.0	14.8	0.4	7.4	<0.05	2.92	3.3
31985	Core	19.0	877	6.8	0.003	14.51	3.7	1.119	12.9	45.5	0.8	22.6	0.12	1.96	7.7
31986	Core	8.2	220	5.7	<0.002	1.68	1.9	0.133	2.0	22.5	0.5	14.9	0.07	0.68	6.5
31987	Core	8.2	100	10.7	<0.002	0.43	2.5	0.029	4.2	24.6	0.5	26.9	0.08	1.92	8.3
31988	Core	8.8	125	7.3	<0.002	0.63	2.3	0.045	2.9	22.7	0.4	29.7	0.07	<0.05	7.9
31989	Core	12.1	148	9.9	0.004	0.43	4.1	0.039	<1.0	50.1	0.7	37.8	0.10	6.00	8.0

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Certificate of Analysis

12-360-05141-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33361	Core	46.2	393	20.9	0.005	0.96	17.8	<0.01	<1.0	222.6	2.7	71.0	0.54	10.78	16.2
33362	Core	40.9	278	19.8	0.003	0.79	9.7	0.013	1.2	117.7	1.5	36.8	0.25	0.64	13.2
33363	Core	39.8	653	62.7	<0.002	1.94	24.4	<0.01	7.1	299.3	3.5	92.7	0.46	7.77	22.8
33364	Core	14.7	173	85.3	0.003	1.05	5.1	<0.01	6.6	71.1	1.0	22.5	0.13	0.87	8.4
33365	Core	38.6	663	9.0	0.006	2.28	17.3	0.044	9.4	26.5	2.0	369.8	0.26	6.88	1.9
33366	Core	12.5	109	41.8	0.003	0.88	2.6	<0.01	4.6	35.9	0.9	13.0	0.07	2.45	6.8
33367	Core	21.4	133	8.4	<0.002	1.42	5.3	0.011	12.0	66.2	1.0	26.5	0.13	<0.05	10.5
33368	Core	33.4	4995	24.1	0.003	2.55	21.8	<0.01	<1.0	270.4	3.3	179.3	0.39	6.79	25.0
33369	Core	22.5	222	21.7	0.004	0.62	5.8	<0.01	11.5	66.1	0.9	33.6	0.11	2.78	9.1
33370	Core	23.3	147	27.3	0.002	2.15	14.7	0.017	<1.0	196.0	2.2	60.8	0.31	3.74	18.7
33371	Core	19.2	90	20.8	0.002	1.04	3.8	0.030	<1.0	47.8	0.9	12.1	0.10	5.11	7.9
33372	Core	13.0	164	13.1	<0.002	0.72	3.0	<0.01	<1.0	29.3	0.6	10.0	0.08	<0.05	6.8
33373	Core	11.7	107	10.9	<0.002	0.54	2.1	0.048	<1.0	27.6	0.6	11.5	0.08	2.99	7.6
33374	Core	34.1	769	22.4	0.005	2.30	19.4	0.041	<1.0	246.7	3.0	94.8	0.46	3.12	26.7
33375	Core	8.5	179	19.7	0.003	0.89	3.3	0.011	<1.0	40.5	0.8	13.8	0.10	<0.05	10.4
33376	Core	6.8	87	36.9	<0.002	1.17	2.0	<0.01	3.6	36.0	1.3	10.7	0.08	6.06	6.2
33377	Core	8.2	77	18.9	0.002	0.38	2.7	<0.01	1.2	35.1	0.6	12.4	0.08	4.48	7.3
33378	Core	10.4	145	13.7	0.002	0.48	3.1	<0.01	<1.0	43.2	0.6	14.1	0.12	<0.05	10.7

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12-360-05141-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-278

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
31854	Core	0.022	0.15	1.1	12	0.5	3.2	39	34.0
31855	Core	0.021	0.18	0.9	15	0.7	3.1	34	32.9
31856	Core	0.030	0.23	1.1	21	0.7	3.0	29	36.1
31857	Core	0.023	0.15	0.9	12	0.4	2.5	29	30.5
31858	Core	0.018	0.12	0.6	10	0.6	1.8	19	19.2
31859	Core	0.014	0.09	0.6	7	0.4	2.1	21	21.7
31860	Core	0.018	0.13	0.7	9	1.6	2.3	17	21.7
31861	Core	0.027	0.20	1.2	17	1.1	3.8	22	29.8
31862	Core	0.024	0.21	0.9	16	0.9	2.4	26	21.6
31863	Core	0.183	1.39	4.8	95	3.2	8.1	125	98.5
31864	Core	0.139	1.17	4.3	95	2.7	7.9	176	96.4
31865	Core	0.157	1.06	4.5	92	2.0	9.4	153	100.2
31962	Core	0.110	0.92	4.3	86	1.5	9.1	150	101.4
31963	Core	0.112	1.00	4.2	86	1.3	8.4	111	104.4
31964	Core	0.130	1.29	4.4	106	2.0	8.2	139	102.5
31965	Core	0.051	0.30	1.8	39	0.8	6.6	70	87.6
31966	Core	0.024	0.16	0.9	16	0.9	3.2	50	30.3
31967	Core	0.035	0.24	1.3	23	1.1	3.8	50	35.8
31968	Core	0.058	0.46	1.9	39	1.2	4.4	43	52.0
31969	Core	0.032	0.20	1.2	19	1.2	5.9	25	43.7
31970	Core	0.028	0.16	1.0	16	0.9	3.5	31	36.0
31971	Core	0.058	0.35	1.8	35	0.7	4.7	40	66.9
31972	Core	0.103	0.77	3.0	69	1.9	8.1	68	112.8
31973	Core	0.016	0.09	0.7	10	0.7	3.3	26	26.8
31974	Core	0.014	0.07	0.5	7	0.6	2.2	21	18.8
31975	Core	0.371	0.23	0.7	120	1.1	15.6	70	32.3
31976	Core	0.009	0.05	0.3	5	0.5	1.3	9	10.9
31977	Core	0.022	0.12	1.0	12	0.5	2.7	22	35.5
31978	Core	0.066	0.51	2.2	40	1.3	6.0	37	81.6
31979	Core	0.020	0.13	0.5	10	0.6	1.8	10	23.1
31980	Core	0.014	0.09	0.4	7	0.3	2.7	23	19.4
31981	Core	0.027	0.18	1.1	14	0.5	5.0	26	41.3
31982	Core	0.025	0.14	1.0	14	0.7	3.4	18	42.2
31983	Core	0.022	0.13	0.9	14	0.5	3.4	25	39.4
31984	Core	0.013	0.09	0.5	7	0.5	3.4	13	15.8
31985	Core	0.041	0.24	1.7	20	1.9	6.3	14	61.4
31986	Core	0.026	0.14	1.0	14	1.6	2.5	25	37.2
31987	Core	0.029	0.14	1.1	17	0.4	3.2	20	47.0
31988	Core	0.027	0.12	1.1	16	0.4	4.0	22	48.6
31989	Core	0.043	0.26	1.4	27	0.4	4.1	34	59.4

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Certificate of Analysis

12-360-05141-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33361	Core	0.195	1.12	4.6	92	1.1	10.6	156	119.1
33362	Core	0.092	0.63	3.0	57	0.8	7.0	131	92.4
33363	Core	0.153	1.50	5.5	120	2.8	10.7	524	134.2
33364	Core	0.046	0.44	2.1	31	2.3	5.1	246	49.0
33365	Core	0.365	0.25	0.9	115	0.9	15.7	69	52.8
33366	Core	0.027	0.20	1.6	17	1.4	4.3	100	45.3
33367	Core	0.048	0.36	2.1	30	2.4	5.8	106	64.1
33368	Core	0.136	1.51	5.7	111	3.0	17.3	122	135.5
33369	Core	0.043	0.37	1.9	35	3.0	4.8	112	59.9
33370	Core	0.117	1.14	4.2	77	3.1	11.4	115	126.9
33371	Core	0.037	0.27	1.9	22	1.5	5.3	156	57.3
33372	Core	0.029	0.18	1.7	16	1.4	4.8	102	48.6
33373	Core	0.026	0.18	1.5	15	1.1	2.8	58	41.3
33374	Core	0.140	1.51	7.4	111	2.2	11.3	153	161.3
33375	Core	0.038	0.23	2.0	20	1.6	4.2	119	55.5
33376	Core	0.034	0.22	1.5	18	1.0	3.0	83	48.1
33377	Core	0.033	0.17	1.4	18	0.6	3.7	38	56.0
33378	Core	0.038	0.23	2.0	25	0.7	4.5	62	68.5

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
31854	Core			0.09	26.35	1.2	11.9	2.21	128.7	95	0.68	0.10	0.06	0.05	3.4
31854 Dup				0.06	25.01	1.1	10.4	2.08	120.3	89	0.67	0.10	0.05	0.05	3.4
QCV1207-02172-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101.00											
STD-CDN-ME-6 result				99.24											
31968	Core			0.05	40.71	1.6	17.9	4.74	611.8	349	2.20	0.06	0.28	0.10	6.5
31968 Dup				0.05	42.52	1.5	18.6	4.84	628.0	351	2.55	0.06	0.31	0.10	6.9
QCV1207-02172-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.47				4.39	6660.1	210					11.4
31986	Core			<0.01	26.52	1.1	11.2	2.17	2213.8	70	0.46	0.04	0.11	0.05	3.0
31986 Dup				<0.01	23.98	1.0	10.1	2.14	2179.5	72	0.65	0.04	0.11	0.04	3.0
QCV1207-02172-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.86	87.55		40.3	8.01		456	2.79	2.60	0.53	0.36	15.0
33375	Core			0.15	38.06	1.6	17.2	3.02	337.7	130	0.68	0.09	0.02	1.40	5.6
33375 Dup				0.16	39.60	1.7	16.8	3.00	352.6	132	0.67	0.09	0.04	1.44	5.5
QCV1207-02172-0011-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.85	90.83		43.6	8.05		474	2.78	2.49	0.52	0.40	15.0
31854	Core		<0.1												
31854 Dup			<0.1												
QCV1207-02173-0002-BLK			<0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			0.2												
31968	Core		<0.1												
31968 Dup			<0.1												
QCV1207-02173-0005-BLK			<0.1												
STD-Oreas501 expected			0.7												
STD-Oreas501 result			0.7												
31986	Core		<0.1												
31986 Dup			<0.1												
QCV1207-02173-0008-BLK			<0.1												
STD-CDN-ME-12 expected			52.5												
STD-CDN-ME-12 result			51.6												
33375	Core		0.4												
33375 Dup			0.5												
QCV1207-02173-0011-BLK			<0.1												
STD-DS-1 expected			0.5												
STD-DS-1 result			0.5												

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
31854	Core	0.024													
31854 Dup		0.027													
QCV1207-02174-0002-BLK		<0.005													
31976	Core	0.039													
31976 Dup		0.035													
STD-OxE101 expected		0.607													
STD-OxE101 result		0.552													
QCV1207-02174-0005-BLK		<0.005													
33373	Core	0.011													
33373 Dup		0.016													
STD-Oxi96 expected		1.802													
STD-Oxi96 result		1.755													
QCV1207-02174-0008-BLK		<0.005													
STD-OxG84 expected		0.922													
STD-OxG84 result		0.911													

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12-360-05141-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
31854	Core	169	1.15	27.0	1.06	4.91	0.90	0.01	0.57	7.8	0.08	308	0.41	0.02	1.0
31854 Dup		194	1.12	19.3	0.98	4.53	0.88	0.01	0.53	8.1	0.08	291	0.38	0.02	1.0
QCV1207-02172-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				6401.4											
31968	Core	214	2.57	22.8	1.63	12.06	1.14	0.03	2.04	12.7	0.33	328	0.47	0.16	1.6
31968 Dup		214	2.76	22.1	1.80	13.18	1.42	0.03	2.04	14.5	0.34	328	0.50	0.17	1.7
QCV1207-02172-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				23.2							2.67	448			
31986	Core	196	1.21	1.3	1.07	4.04	1.25	<0.01	0.49	9.1	0.15	172	0.52	0.35	1.0
31986 Dup		224	1.19	0.9	1.08	4.11	1.21	<0.01	0.49	10.2	0.14	172	0.52	0.33	1.0
QCV1207-02172-0008-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			6.83	2365.6	4.28	17.68			3.26		1.53		0.37	0.50	13.1
33375	Core	167	2.05	16.4	1.61	6.59	0.96	0.05	0.78	15.2	0.06	131	0.40	0.04	1.1
33375 Dup		173	2.12	15.4	1.65	6.41	1.04	0.05	0.82	14.2	0.06	133	0.42	0.04	1.5
QCV1207-02172-0011-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			6.98	2422.7	4.17	17.73			3.19		1.56		0.36	0.50	13.5

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12-360-05141-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-283

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
31854	Core	6.9	166	13.9	0.002	0.43	1.9	0.051	2.4	27.6	0.6	9.5	0.18	0.74	6.4
31854 Dup		7.4	159	13.9	<0.002	0.47	1.8	0.054	<1.0	26.8	0.5	9.3	0.19	<0.05	6.1
QCV1207-02172-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200.0											
STD-CDN-ME-6 result				9731.6											
31968	Core	14.4	163	11.3	0.004	1.05	7.3	0.159	4.1	86.0	1.2	37.3	0.13	3.06	9.4
31968 Dup		15.3	153	12.3	<0.002	1.13	8.2	0.160	2.8	93.2	1.4	41.5	0.12	3.43	9.2
QCV1207-02172-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7	340	13.8											
STD-DS-1 result		50.6	340	14.4											
31986	Core	8.2	220	5.7	<0.002	1.68	1.9	0.133	2.0	22.5	0.5	14.9	0.07	0.68	6.5
31986 Dup		8.8	161	5.5	0.002	1.69	2.1	0.130	<1.0	22.8	0.5	15.8	0.07	<0.05	5.8
QCV1207-02172-0008-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected				9.8		1.16					10.6				
STD-OREAS92-4A result		34.2	720	9.1		1.11	12.7			194.4	9.6	31.6	1.05		17.8
33375	Core	8.5	179	19.7	0.003	0.89	3.3	0.011	<1.0	40.5	0.8	13.8	0.10	<0.05	10.4
33375 Dup		9.4	166	21.6	0.002	0.87	3.7	0.013	<1.0	42.6	0.7	14.9	0.11	4.97	11.1
QCV1207-02172-0011-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	0.08	<0.2
STD-OREAS92-4A expected				9.8		1.16		0.310			10.6				
STD-OREAS92-4A result		35.1	723	9.6		1.13	13.4	0.292		199.5	10.0	32.1	1.01		17.4

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Vol 2-284

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
31854	Core	0.022	0.15	1.1	12	0.5	3.2	39	34.0
31854 Dup		0.021	0.14	1.1	12	0.5	3.1	34	34.1
QCV1207-02172-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5008	
31968	Core	0.058	0.46	1.9	39	1.2	4.4	43	52.0
31968 Dup		0.061	0.43	1.9	40	1.2	4.6	65	58.4
QCV1207-02172-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			18.23					193	
31986	Core	0.026	0.14	1.0	14	1.6	2.5	25	37.2
31986 Dup		0.026	0.12	1.0	14	0.9	2.6	23	37.9
QCV1207-02172-0008-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result			1.01	3.5		2.5	25.2	92	127.1
33375	Core	0.038	0.23	2.0	20	1.6	4.2	119	55.5
33375 Dup		0.040	0.23	2.0	21	1.3	5.2	122	62.8
QCV1207-02172-0011-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result			1.01	3.5		2.4	24.1	92	124.3

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12-360-05141-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-009**
Client Reference: **Core-12-009**
Description: **3 ACE**

Date Received: 10/18/2012
Date Completed: 10/23/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	32	Core	

Location	Quantity	Method	Description
Vancouver, BC	32	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

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12-360-05141-02

Northern Tiger Resources
#220 17010 103rd Ave
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Vol 2-286

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
31854	Core	0.05	0.05	0.04	0.01	504.50	5.65	510.15
31855	Core	0.05	0.07	0.03	0.03	493.51	4.44	497.95
31856	Core	<0.01	<0.01	<0.01	0.01	472.97	6.21	479.18
31857	Core	<0.01	<0.01	<0.01	0.02	506.24	7.10	513.33
31858	Core	<0.01	<0.01	<0.01	0.02	479.51	5.60	485.11
31859	Core	<0.01	<0.01	<0.01	0.02	498.20	7.08	505.28
31860	Core	0.03	0.02	0.03	0.06	504.59	7.88	512.46
31861	Core	0.07	0.07	0.06	0.06	474.12	7.17	481.29
31862	Core	0.96	0.41	0.46	52.22	489.10	5.02	494.12
31863	Core	0.03	0.02	0.03	0.15	498.61	4.73	503.34
31864	Core	0.08	0.07	0.09	0.08	494.15	5.54	499.69
31865	Core	0.01	0.02	0.01	<0.01	507.31	5.52	512.83
31967	Core	0.04	0.04	0.05	0.03	498.95	6.96	505.91
31968	Core	0.01	0.01	0.01	0.01	470.85	9.28	480.13
31969	Core	0.04	0.03	0.05	0.02	511.65	6.32	517.97
31970	Core	0.01	<0.01	0.02	0.01	491.12	12.36	503.48
31971	Core	<0.01	<0.01	0.01	<0.01	506.10	8.05	514.15
31972	Core	0.06	0.04	0.07	0.05	504.98	5.06	510.04
31973	Core	<0.01	<0.01	<0.01	<0.01	501.56	5.23	506.79
31976	Core	0.05	0.03	0.07	0.01	502.00	6.54	508.54
31977	Core	<0.01	<0.01	<0.01	<0.01	491.53	5.66	497.19
31978	Core	<0.01	<0.01	<0.01	<0.01	511.58	5.70	517.28
31979	Core	0.05	0.03	0.04	1.72	508.95	6.43	515.38
31980	Core	0.01	0.01	<0.01	<0.01	513.58	4.34	517.92
31981	Core	<0.01	<0.01	<0.01	<0.01	512.18	5.40	517.58
31982	Core	0.02	0.01	0.03	0.01	491.41	11.68	503.09
31983	Core	<0.01	<0.01	<0.01	<0.01	501.97	13.74	515.71
31984	Core	0.06	0.07	0.04	0.08	491.76	6.47	498.23
31985	Core	0.37	0.37	0.37	0.30	511.95	3.79	515.74
31986	Core	0.02	0.02	0.02	0.02	502.20	4.34	506.54
31987	Core	<0.01	<0.01	<0.01	0.02	510.25	4.31	514.56
31988	Core	<0.01	<0.01	<0.01	<0.01	473.46	3.51	476.97

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Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
QCV1210-01288-0001-BLK		<0.01						29.17
QCV1210-01288-0002-BLK		<0.01						29.17
STD-OxF100 expected		0.80						
STD-OxF100 result		0.79						
QCV1210-01288-0004-BLK		<0.01						29.37
STD-OxJ95 expected		2.34						
STD-OxJ95 result		2.37						

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12-360-05148-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
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Distribution List

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#220 17010 103rd Ave
Edmonton, T5S 1K7
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Attention: Chris Buchanan
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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-008**
Client Reference: **Core-12-008**
Description: **3 ACE**

Date Received: 08/01/2012
Date Completed: 08/10/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	57	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg

Location	Quantity	Method	Description
Vancouver, BC	57	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	57	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	57	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____
Sofia Devota -- Operations Manager

Vol 2-288

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12-360-05148-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-289

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33304	Core	0.013	<0.1	0.10	29.60	1.6	14.3	3.66	21.9	215	0.83	0.13	0.16	0.25	5.5
33305	Core	0.019	0.2	0.41	24.46	1.1	11.4	2.00	141.3	91	0.55	0.08	0.12	9.29	5.2
33306	Core	0.039	0.7	0.87	34.98	2.1	17.2	5.04	186.2	328	0.98	0.14	0.05	11.02	4.6
33307	Core	0.054	0.9	1.04	30.13	1.3	13.8	2.86	170.7	147	0.56	0.11	0.02	2.85	1.8
33308	Core	0.013	<0.1	0.35	24.42	1.2	11.8	2.51	45.9	128	0.47	0.04	0.19	2.81	3.7
33309	Core	0.014	<0.1	0.18	22.79	1.0	10.1	2.50	60.5	100	0.33	0.04	0.13	1.78	3.3
33310	Core	0.028	<0.1	0.19	25.37	1.1	13.6	2.47	324.1	96	0.39	0.05	0.26	2.26	5.1
33311	Core	0.831	<0.1	0.04	25.35	1.5	13.1	3.78	783.6	188	0.82	0.16	0.24	1.55	4.4
33312	Core	0.096	0.8	0.06	36.34	1.7	19.3	4.60	2457.3	286	1.28	0.13	0.03	0.53	2.5
33313	Core	0.123	<0.1	0.02	26.04	1.4	11.7	2.37	3436.9	69	0.63	0.04	0.59	0.21	4.3
33314	Core	0.306	<0.1	<0.01	37.14	2.6	16.6	4.34	2700.7	223	1.27	0.06	0.53	0.31	4.8
33315	Core	0.052	<0.1	<0.01	27.82	1.1	11.7	2.32	1343.4	76	0.55	0.03	0.43	0.22	3.0
33316	Core	0.045	<0.1	0.14	25.30	0.9	10.9	2.21	228.6	82	0.49	0.04	0.48	0.44	2.8
33317	Core	0.034	<0.1	<0.01	32.85	1.9	14.8	3.35	36.4	145	0.72	0.05	0.06	0.08	3.6
33318	Core	0.218	<0.1	<0.01	28.43	1.5	12.8	4.18	8256.5	109	0.90	0.06	0.56	0.11	5.2
33319	Core	0.137	<0.1	0.20	79.91	2.8	44.1	>10	576.4	965	5.03	0.48	0.45	0.23	18.1
33320	Core	0.020	<0.1	0.10	76.04	2.6	42.8	>10	54.8	832	4.04	0.48	0.31	0.16	18.1
33321	Core	0.012	<0.1	0.14	54.36	2.8	33.8	>10	32.1	777	3.50	0.45	0.29	0.26	16.9
33322	Core	0.007	<0.1	0.10	49.90	3.3	26.3	>10	38.2	713	3.27	0.36	0.24	0.22	16.6
33323	Core	0.029	<0.1	<0.01	30.03	1.5	13.4	2.83	172.0	100	0.62	0.05	0.12	0.32	5.1
33324	Core	0.252	4.0	4.12	23.01	0.9	10.1	1.61	389.3	74	0.43	2.60	0.06	33.48	4.3
33325	Core	0.029	<0.1	0.15	32.78	1.4	14.1	2.06	51.2	88	0.34	0.11	0.11	2.19	3.2
33326	Core	0.048	0.1	0.20	27.24	1.3	12.3	2.14	630.6	89	0.47	0.14	0.10	6.55	3.3
33327	Core	0.088	0.5	0.50	29.22	1.4	13.1	2.15	1087.5	85	0.46	0.19	0.14	15.93	3.5
33328	Core	<0.005	<0.1	0.13	1.15	<0.1	0.7	0.05	0.3	20	<0.05	0.02	>10	0.08	1.1
33329	Core	0.111	0.5	0.94	29.15	1.5	13.1	2.41	280.1	110	0.50	0.23	0.16	28.04	4.0
33330	Core	0.200	<0.1	0.07	30.88	1.4	14.4	2.65	1632.3	118	0.52	0.06	0.25	0.88	3.8
33331	Core	0.313	<0.1	0.99	30.60	1.3	13.4	2.14	259.9	121	0.49	0.04	0.32	0.33	3.3
33332	Core	0.108	0.2	0.19	25.91	1.3	12.2	2.11	1377.8	82	0.35	0.09	0.39	4.59	3.0
33333	Core	0.096	0.3	0.34	28.28	1.2	13.8	2.18	1281.0	83	0.48	0.08	0.42	2.54	2.9
33334	Core	0.329	0.2	0.65	33.43	1.6	14.8	2.74	3759.7	106	0.60	0.06	0.45	1.00	4.4
33335	Core	0.237	0.3	0.25	31.73	1.5	15.2	2.79	4154.0	109	0.53	0.15	0.54	1.36	6.1
33336	Core	0.096	<0.1	0.08	42.19	2.7	23.4	>10	313.2	928	3.52	0.27	0.61	0.38	16.4
33337	Core	0.016	4.8	3.92	22.20	1.2	10.5	3.10	48.3	120	0.59	0.05	0.77	0.22	5.2
33338	Core	<0.005	<0.1	0.05	19.26	1.8	9.4	5.98	11.1	375	1.08	0.15	0.62	0.12	6.9
33339	Core	<0.005	<0.1	<0.01	46.62	2.5	23.3	>10	3.3	761	2.61	0.43	0.42	0.10	13.4
33340	Core	<0.005	<0.1	0.07	37.68	2.5	19.7	9.90	9.9	701	2.60	0.34	0.70	0.12	13.6
33341	Core	<0.005	0.2	0.03	41.41	2.3	22.8	>10	31.0	906	3.37	0.54	0.21	0.22	21.5
33342	Core	<0.005	0.1	0.11	77.43	2.4	43.8	>10	30.7	847	3.32	0.55	0.26	0.27	19.0
33343	Core	<0.005	0.1	<0.01	34.48	2.1	19.9	>10	24.8	864	3.17	0.56	0.31	0.25	17.7

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-290

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33344	Core	<0.005	0.1	0.04	38.11	1.9	20.2	9.99	27.3	770	3.32	0.41	1.59	0.17	16.4
33345	Core	<0.005	0.2	<0.01	34.95	2.1	19.1	>10	27.3	896	3.46	0.49	0.64	0.16	16.8
33346	Core	<0.005	0.1	0.07	79.15	2.6	42.8	>10	21.4	975	3.91	0.56	0.19	0.15	19.9
33347	Core	<0.005	0.1	0.14	25.38	2.5	13.0	>10	15.2	792	2.92	0.46	0.96	0.15	16.1
33348	Core	<0.005	0.1	0.15	30.01	2.7	15.0	>10	20.4	815	3.11	0.44	0.39	0.16	15.0
33349	Core	<0.005	0.1	0.03	23.63	1.9	13.7	8.85	17.7	667	2.67	0.39	1.41	0.13	13.2
33350	Core	<0.005	0.2	0.09	29.41	2.5	14.3	>10	25.8	1017	4.08	0.57	0.24	0.16	23.2
33351	Core	<0.005	0.1	<0.01	13.31	1.9	6.9	7.94	9.1	569	2.45	0.33	0.70	0.11	11.1
33352	Core	<0.005	0.1	<0.01	15.76	2.0	8.4	9.95	20.2	754	3.00	0.41	0.44	0.11	17.5
33353	Core	<0.005	0.2	<0.01	18.07	2.0	8.6	8.48	13.7	582	2.62	0.41	0.54	0.13	16.5
33354	Core	<0.005	0.2	0.05	37.78	2.6	18.3	>10	22.1	986	3.70	0.51	0.21	0.24	18.0
33355	Core	<0.005	0.2	0.09	24.92	2.4	11.6	>10	29.3	957	3.77	0.52	0.15	0.20	19.5
33356	Core	<0.005	0.2	0.34	25.31	2.4	12.6	>10	20.4	878	3.51	0.64	0.26	0.15	17.7
33357	Core	<0.005	0.2	0.07	21.66	2.3	11.1	>10	15.6	997	4.16	0.45	0.37	0.18	17.4
33358	Core	<0.005	0.2	0.07	46.26	2.3	29.0	>10	28.1	902	3.66	0.54	0.24	0.16	21.2
33359	Core	<0.005	0.2	<0.01	35.71	1.4	17.1	4.50	<0.2	244	1.06	0.08	1.56	0.05	2.8
33360	Core	<0.005	0.1	0.01	23.64	2.7	11.6	9.64	4.1	691	2.77	0.34	0.39	0.11	12.0

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Certificate of Analysis

12-360-05148-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-291

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33304	Core	177	2.54	34.5	1.63	8.99	0.99	0.02	1.16	18.3	0.24	361	0.46	0.07	1.6
33305	Core	161	2.06	25.5	1.15	5.10	1.24	0.10	0.63	11.2	0.08	619	0.48	0.03	0.9
33306	Core	158	3.82	37.5	2.08	12.77	1.01	0.18	1.97	17.5	0.11	183	0.50	0.10	2.1
33307	Core	129	2.88	21.0	1.25	7.26	1.27	0.23	1.01	13.7	0.07	54	0.44	0.04	0.9
33308	Core	136	1.82	21.8	1.07	6.76	1.06	0.06	0.86	11.3	0.13	315	0.37	0.04	0.9
33309	Core	158	1.98	21.4	1.19	5.63	1.14	0.03	0.73	9.7	0.11	311	0.42	0.04	0.7
33310	Core	187	1.77	19.5	1.33	5.73	1.25	0.04	0.77	9.1	0.16	445	0.48	0.04	0.8
33311	Core	161	4.45	19.3	1.69	9.15	1.15	0.05	1.10	20.2	0.18	363	0.47	0.06	1.5
33312	Core	170	4.46	17.6	1.51	12.97	1.18	0.03	1.59	19.7	0.09	55	0.59	0.08	1.6
33313	Core	170	1.07	10.1	1.44	6.28	1.30	0.01	0.42	11.8	0.25	644	0.45	0.02	0.9
33314	Core	165	2.50	14.7	1.19	13.44	1.21	0.02	1.42	15.5	0.26	440	0.42	0.05	1.7
33315	Core	187	1.31	11.3	1.01	5.46	0.74	0.01	0.46	12.2	0.17	409	0.52	0.02	0.9
33316	Core	185	1.37	10.4	0.97	4.81	0.91	<0.01	0.47	13.9	0.18	465	0.41	0.02	0.7
33317	Core	163	2.43	11.0	1.16	8.42	0.91	0.01	0.85	25.5	0.13	313	0.37	0.05	1.0
33318	Core	153	1.95	13.8	2.07	9.32	1.10	0.02	0.75	12.1	0.31	518	0.50	0.03	0.8
33319	Core	138	9.66	60.4	4.72	35.65	1.43	0.09	5.42	44.2	0.73	399	0.58	0.33	4.6
33320	Core	124	8.21	55.1	5.17	31.97	1.34	0.07	4.76	50.1	0.75	354	0.46	0.31	5.3
33321	Core	125	7.29	52.0	5.54	29.26	1.24	0.07	4.49	68.6	0.93	379	0.42	0.30	4.8
33322	Core	136	6.39	45.4	4.48	28.30	1.11	0.07	4.16	65.8	0.69	391	0.45	0.27	5.0
33323	Core	178	1.56	17.5	1.89	6.70	0.75	0.02	0.68	21.1	0.20	529	0.42	0.04	1.2
33324	Core	165	2.51	11.9	1.48	3.94	1.04	0.64	0.47	16.5	0.07	412	0.47	0.02	0.7
33325	Core	175	1.81	8.2	0.97	4.99	0.97	0.05	0.61	11.9	0.10	407	0.46	0.03	1.0
33326	Core	170	2.33	6.5	1.12	5.01	1.01	0.13	0.66	12.8	0.10	390	0.56	0.03	1.0
33327	Core	153	2.11	7.5	1.07	4.92	1.05	0.30	0.59	14.1	0.12	459	0.41	0.03	0.9
33328	Core	8	0.34	7.8	0.46	0.26	<0.05	0.01	0.04	0.2	>10	207	0.34	<0.01	0.2
33329	Core	163	2.02	17.5	1.44	5.53	1.03	0.51	0.79	11.7	0.11	229	0.89	0.04	0.9
33330	Core	170	2.12	13.4	1.14	6.13	1.17	0.03	0.86	10.6	0.16	348	0.47	0.04	1.2
33331	Core	214	1.52	12.0	1.11	4.89	0.98	0.02	0.51	10.9	0.15	496	0.55	0.03	1.1
33332	Core	169	1.35	6.4	1.15	4.27	1.06	0.10	0.58	10.4	0.17	521	0.51	0.02	0.8
33333	Core	191	1.04	10.3	1.22	4.42	1.21	0.06	0.75	6.1	0.19	470	0.43	0.03	0.9
33334	Core	150	1.43	13.1	1.46	6.94	1.12	0.03	0.87	9.3	0.23	506	0.47	0.03	1.2
33335	Core	141	1.30	12.2	1.64	7.10	0.94	0.05	0.85	10.5	0.27	532	0.39	0.03	1.1
33336	Core	97	8.56	40.7	4.02	32.09	1.28	0.09	5.22	31.9	0.53	1304	0.44	0.32	4.5
33337	Core	147	1.38	18.3	2.28	6.24	0.83	0.02	0.75	21.7	0.42	854	0.30	0.04	1.0
33338	Core	139	2.84	14.6	2.29	12.72	0.90	0.03	1.85	24.8	0.45	606	0.38	0.15	1.6
33339	Core	110	7.09	45.1	4.45	25.51	1.49	0.07	3.30	72.9	0.85	395	0.50	0.37	5.3
33340	Core	101	6.60	41.5	4.67	26.29	1.56	0.07	3.01	96.0	1.26	702	0.54	0.34	5.7
33341	Core	87	8.65	55.1	5.12	26.23	1.39	0.09	3.76	79.2	0.93	600	1.69	0.53	2.8
33342	Core	90	8.87	60.3	4.80	27.10	1.71	0.08	3.51	63.4	0.86	639	1.81	0.47	5.7
33343	Core	104	8.85	51.3	5.04	24.31	1.42	0.08	3.67	66.4	0.86	594	2.19	0.52	1.7

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-292

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33344	Core	127	8.08	43.5	4.37	26.42	1.50	0.08	3.24	56.7	1.13	1400	1.16	0.46	4.2
33345	Core	100	8.92	45.8	5.28	25.23	1.42	0.08	3.69	69.3	1.05	669	1.10	0.61	2.2
33346	Core	109	10.39	52.3	4.77	32.00	1.93	0.09	4.06	79.7	0.88	351	1.18	0.69	5.9
33347	Core	128	7.59	50.6	4.89	27.04	1.53	0.07	3.35	98.7	1.17	951	0.85	0.44	6.3
33348	Core	120	7.54	49.6	4.12	26.09	1.43	0.07	3.48	86.3	0.83	457	0.78	0.47	5.6
33349	Core	136	6.83	35.0	3.98	21.79	1.34	0.06	2.83	68.3	0.96	701	0.70	0.42	4.3
33350	Core	120	9.60	52.9	4.85	33.54	1.43	0.08	4.25	89.5	0.76	337	1.22	0.69	5.4
33351	Core	120	5.13	37.5	4.20	20.74	1.29	0.05	2.48	83.2	1.01	717	0.72	0.33	4.0
33352	Core	130	6.72	39.3	3.79	27.02	1.28	0.06	3.21	87.7	0.83	632	0.96	0.42	1.9
33353	Core	141	5.27	38.5	4.29	21.32	1.47	0.05	2.49	85.4	0.99	737	0.97	0.34	4.2
33354	Core	143	7.93	59.6	4.40	31.14	1.72	0.08	4.01	94.7	0.95	385	0.75	0.57	5.3
33355	Core	105	8.70	57.2	5.07	31.41	1.61	0.08	3.92	96.8	1.09	425	1.12	0.57	4.3
33356	Core	116	7.57	46.7	4.60	27.85	1.31	0.07	3.58	73.4	0.83	420	0.88	0.51	5.2
33357	Core	108	8.90	49.8	4.63	32.79	1.44	0.08	4.02	81.9	0.80	455	0.89	0.57	5.8
33358	Core	108	8.40	49.6	5.12	27.66	1.57	0.07	3.62	73.5	0.74	440	1.26	0.54	5.0
33359	Core	126	2.21	15.2	3.69	10.62	1.08	0.02	1.06	57.3	1.02	1327	0.35	0.12	1.9
33360	Core	140	6.19	35.5	3.32	24.05	1.46	0.05	2.78	66.8	0.63	559	0.71	0.39	4.8

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-293

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33304	Core	12.6	99	17.8	0.003	0.80	3.6	0.125	4.6	50.1	0.9	22.9	0.14	1.34	8.7
33305	Core	9.8	110	293.2	<0.002	1.49	1.8	0.267	<1.0	34.8	4.7	10.1	0.06	<0.05	6.1
33306	Core	13.9	92	494.2	<0.002	2.49	5.3	0.682	3.1	86.3	3.5	25.2	0.17	<0.05	10.6
33307	Core	6.3	82	897.5	0.003	2.70	2.7	0.347	2.7	49.0	5.8	14.2	0.09	<0.05	6.8
33308	Core	9.6	70	182.9	0.002	1.20	2.4	0.336	<1.0	42.9	3.7	15.2	0.07	<0.05	6.1
33309	Core	7.2	55	103.5	<0.002	0.95	1.7	0.293	<1.0	32.0	2.2	10.3	0.08	<0.05	6.0
33310	Core	9.2	144	149.1	<0.002	1.49	2.2	0.440	<1.0	33.7	2.7	15.7	0.08	<0.05	7.3
33311	Core	12.2	146	26.2	0.005	1.85	3.7	0.375	<1.0	49.8	1.1	28.7	0.11	<0.05	8.3
33312	Core	9.3	166	15.3	0.004	2.86	4.8	0.257	<1.0	70.5	1.1	25.0	0.15	<0.05	10.4
33313	Core	9.5	90	10.5	0.003	2.61	2.5	0.352	4.7	20.2	0.6	34.6	0.07	<0.05	6.4
33314	Core	11.1	163	12.4	0.003	2.34	3.9	0.405	1.8	65.9	1.2	45.5	0.17	<0.05	14.8
33315	Core	7.7	185	14.6	<0.002	1.51	1.8	0.398	<1.0	23.7	0.9	24.6	0.08	1.96	6.9
33316	Core	6.6	235	8.5	<0.002	0.82	1.5	0.173	<1.0	21.5	0.5	24.2	0.07	2.78	6.1
33317	Core	9.5	62	10.3	<0.002	0.63	2.6	0.121	<1.0	41.1	0.7	14.7	0.10	0.26	9.4
33318	Core	12.7	125	12.7	<0.002	6.78	2.8	0.752	8.4	37.1	1.0	39.0	0.08	<0.05	10.1
33319	Core	52.3	569	20.6	0.004	2.29	20.3	0.261	<1.0	253.2	3.1	141.2	0.42	4.05	20.9
33320	Core	46.1	520	28.3	0.002	1.70	18.1	0.201	5.3	220.0	2.7	122.4	0.43	5.18	18.0
33321	Core	40.6	465	28.6	0.003	1.24	17.4	0.227	7.0	191.5	2.6	123.4	0.39	5.51	16.6
33322	Core	35.8	567	26.4	<0.002	1.22	15.9	0.327	2.6	185.4	2.5	96.0	0.38	7.80	17.0
33323	Core	11.5	82	26.9	<0.002	0.83	3.0	0.266	3.3	32.0	0.9	20.2	0.10	<0.05	7.6
33324	Core	8.2	101	2395.4	0.003	3.67	1.9	0.981	2.4	25.6	2.6	13.5	0.07	<0.05	5.4
33325	Core	7.0	77	149.2	0.006	0.63	2.1	0.404	1.5	30.7	3.9	16.0	0.09	<0.05	9.0
33326	Core	7.6	75	227.2	0.003	1.14	2.0	0.522	4.4	31.4	3.5	12.8	0.09	<0.05	7.3
33327	Core	6.6	69	390.2	0.003	1.49	2.1	0.367	<1.0	27.5	2.6	13.8	0.10	<0.05	8.1
33328	Core	9.4	354	2.6	0.005	<0.05	0.2	<0.01	<1.0	0.9	<0.2	44.0	<0.05	9.14	<0.2
33329	Core	8.5	134	506.5	0.003	1.57	2.0	1.069	1.3	36.1	4.1	17.4	0.09	<0.05	8.8
33330	Core	9.0	35	56.6	0.004	1.77	2.1	0.555	3.5	39.8	2.5	18.7	0.09	0.80	7.6
33331	Core	7.7	114	19.8	0.003	0.87	2.0	0.228	2.5	22.6	1.1	15.8	0.11	<0.05	8.2
33332	Core	6.3	132	151.9	0.003	1.50	1.7	0.412	<1.0	27.1	2.1	16.4	0.07	<0.05	6.9
33333	Core	7.2	143	314.5	0.003	1.64	1.7	0.616	4.5	32.2	4.6	18.0	0.08	<0.05	7.9
33334	Core	10.0	32	144.3	<0.002	3.30	2.6	0.545	2.1	38.5	2.5	24.2	0.09	1.00	8.4
33335	Core	13.0	66	156.0	0.003	3.52	2.6	0.749	5.4	37.8	3.2	27.7	0.10	<0.05	8.3
33336	Core	42.1	325	21.2	0.003	2.25	17.3	3.086	<1.0	248.7	7.1	144.0	0.29	5.50	17.6
33337	Core	12.1	126	19.2	<0.002	0.38	2.8	0.475	<1.0	32.1	1.8	35.2	0.09	<0.05	5.5
33338	Core	15.4	66	15.5	0.003	0.51	5.8	0.212	<1.0	76.9	1.5	64.0	0.12	4.26	10.5
33339	Core	38.7	1274	5.4	0.003	0.57	15.7	0.145	<1.0	171.8	2.3	167.8	0.40	7.03	15.1
33340	Core	39.4	310	8.0	0.003	0.56	14.6	0.320	1.1	152.1	2.0	146.4	0.41	1.28	13.1
33341	Core	45.0	149	50.5	0.006	2.61	17.0	2.431	<1.0	193.0	2.3	190.0	0.23	8.09	12.4
33342	Core	40.3	290	46.9	0.007	2.86	16.4	2.426	<1.0	187.5	2.4	168.4	0.42	7.61	14.3
33343	Core	40.0	174	48.6	0.008	3.21	16.6	2.774	<1.0	191.8	2.3	182.1	0.14	3.58	12.0

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Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33344	Core	34.2	178	41.0	0.003	2.78	16.1	1.922	<1.0	174.6	2.2	252.0	0.28	4.60	10.5
33345	Core	39.8	148	44.6	0.004	3.43	16.6	2.377	1.0	173.5	2.1	260.1	0.19	4.81	11.6
33346	Core	44.0	207	39.8	0.004	3.23	19.0	2.358	1.1	208.5	2.6	245.6	0.40	8.36	14.9
33347	Core	38.6	150	23.3	0.004	2.55	15.6	1.506	7.7	172.7	2.2	189.1	0.52	12.16	11.4
33348	Core	36.4	201	26.8	0.003	2.37	15.7	1.463	1.3	181.2	2.4	175.6	0.49	3.50	12.7
33349	Core	32.1	166	24.3	0.004	2.28	14.1	1.267	3.7	148.4	2.0	219.0	0.32	4.56	11.0
33350	Core	45.3	123	38.4	0.003	4.16	20.0	2.638	6.3	230.9	2.9	241.9	0.40	4.56	14.1
33351	Core	31.9	204	14.3	0.002	1.62	12.0	0.992	<1.0	132.7	1.6	142.3	0.33	<0.05	10.0
33352	Core	38.6	201	28.1	0.003	2.54	15.9	1.311	3.1	165.8	1.9	171.5	0.18	5.00	11.9
33353	Core	37.0	249	20.4	0.003	2.85	11.4	1.228	<1.0	130.6	1.8	148.7	0.30	4.72	10.0
33354	Core	39.1	206	24.3	0.003	2.94	17.2	1.464	<1.0	209.0	2.4	205.3	0.43	8.45	12.9
33355	Core	48.0	282	30.0	0.004	3.86	17.6	1.524	<1.0	219.9	2.7	195.0	0.35	8.84	11.6
33356	Core	40.5	155	34.3	0.003	2.96	16.0	1.550	7.2	187.9	2.4	193.8	0.39	8.01	11.9
33357	Core	41.5	254	21.6	0.002	2.97	19.2	1.448	4.1	212.7	2.6	228.4	0.44	6.88	13.8
33358	Core	47.2	110	32.2	0.002	4.56	16.0	2.253	<1.0	197.1	2.4	199.2	0.39	7.48	13.3
33359	Core	15.8	195	3.3	<0.002	0.28	5.2	0.075	<1.0	48.9	0.8	99.6	0.16	<0.05	7.9
33360	Core	28.3	155	13.5	<0.002	1.88	13.4	0.645	<1.0	146.9	2.1	185.1	0.33	4.61	13.0

INSPECTORATE
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Certificate of Analysis

12-360-05148-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-295

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33304	Core	0.041	0.34	1.5	27	1.4	3.6	49	51.2
33305	Core	0.021	0.21	1.1	11	1.9	4.4	373	42.6
33306	Core	0.056	0.53	2.2	39	2.4	5.3	622	73.2
33307	Core	0.029	0.36	1.4	19	2.2	3.4	335	52.5
33308	Core	0.024	0.27	1.0	16	1.6	3.6	237	40.8
33309	Core	0.025	0.22	0.9	14	1.8	2.5	176	31.7
33310	Core	0.026	0.22	1.1	14	2.1	3.1	211	38.8
33311	Core	0.039	0.35	1.7	24	3.0	4.4	195	53.9
33312	Core	0.045	0.47	2.4	33	3.4	4.4	99	55.8
33313	Core	0.022	0.11	1.0	12	2.7	4.0	59	44.3
33314	Core	0.048	0.38	2.2	31	3.8	7.2	54	90.8
33315	Core	0.021	0.13	1.0	12	2.2	3.5	39	38.8
33316	Core	0.019	0.14	0.9	11	2.2	3.2	54	34.6
33317	Core	0.033	0.23	1.2	19	3.1	4.2	38	57.7
33318	Core	0.024	0.22	1.3	17	3.3	4.5	30	59.0
33319	Core	0.144	1.45	4.8	96	4.2	9.3	131	94.3
33320	Core	0.154	1.28	4.4	86	2.8	8.4	123	90.9
33321	Core	0.144	1.16	4.0	85	2.6	8.0	126	83.5
33322	Core	0.127	1.05	4.2	82	2.5	10.7	118	105.4
33323	Core	0.034	0.19	1.1	18	2.5	4.4	62	52.9
33324	Core	0.021	0.16	1.2	10	3.1	3.3	2173	38.6
33325	Core	0.028	0.18	1.1	12	2.7	3.9	175	46.2
33326	Core	0.029	0.19	1.0	13	2.4	3.6	452	50.6
33327	Core	0.028	0.17	1.1	13	2.6	3.7	1162	44.4
33328	Core	<0.005	<0.02	0.6	2	0.1	0.8	20	<0.5
33329	Core	0.027	0.22	1.1	14	2.2	3.9	1856	50.5
33330	Core	0.029	0.23	1.1	16	2.5	3.7	79	44.9
33331	Core	0.031	0.15	1.2	14	3.2	3.8	57	47.7
33332	Core	0.026	0.15	1.0	12	3.2	3.6	383	44.5
33333	Core	0.023	0.19	1.1	11	2.0	4.0	187	41.4
33334	Core	0.030	0.22	1.2	18	3.0	4.3	83	50.4
33335	Core	0.031	0.20	1.2	16	3.3	4.3	115	47.7
33336	Core	0.090	1.43	4.3	87	3.9	9.1	65	89.1
33337	Core	0.029	0.19	1.0	18	16.8	3.7	46	38.6
33338	Core	0.047	0.47	1.8	44	1.7	5.0	45	58.7
33339	Core	0.143	0.92	4.0	80	2.1	11.2	104	92.5
33340	Core	0.143	0.82	3.5	73	1.3	7.6	111	79.6
33341	Core	0.102	0.03	3.6	88	0.9	6.9	121	80.0
33342	Core	0.145	1.06	3.7	82	1.5	7.6	116	83.8
33343	Core	0.068	0.02	3.6	81	1.1	5.9	130	70.0

INSPECTORATE
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Certificate of Analysis

12-360-05148-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33344	Core	0.119	0.87	2.9	73	1.4	7.4	98	73.1
33345	Core	0.090	0.02	3.5	88	1.1	5.8	108	69.5
33346	Core	0.164	1.14	4.1	94	1.6	7.3	120	83.4
33347	Core	0.138	0.92	3.3	80	1.7	5.9	114	75.8
33348	Core	0.160	1.05	3.7	82	1.8	6.5	121	92.3
33349	Core	0.155	0.83	3.0	63	1.5	6.1	82	65.5
33350	Core	0.209	1.31	4.0	90	1.7	6.2	90	85.3
33351	Core	0.136	0.73	2.6	55	1.2	5.6	90	59.4
33352	Core	0.071	<0.02	3.4	71	1.5	5.2	89	67.1
33353	Core	0.113	0.68	2.6	59	1.4	5.5	97	67.4
33354	Core	0.209	1.12	3.7	93	1.7	5.9	118	83.5
33355	Core	0.165	1.07	3.7	90	1.4	6.1	131	84.2
33356	Core	0.163	1.01	4.0	80	1.9	5.4	102	78.1
33357	Core	0.196	1.12	4.3	92	2.0	5.9	121	88.7
33358	Core	0.188	1.04	3.7	85	2.0	5.8	117	79.1
33359	Core	0.049	0.27	1.3	30	1.0	4.5	65	45.2
33360	Core	0.121	0.83	3.1	69	1.7	6.5	98	89.4

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Certificate of Analysis

12-360-05148-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-297

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33304	Core			0.10	29.60	1.6	14.3	3.66	21.9	215	0.83	0.13	0.16	0.25	5.5
33304 Dup				0.18	28.08	1.5	14.0	3.66	26.0	214	0.80	0.12	0.16	0.26	5.4
QCV1208-00119-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.54				4.21	6605.5	197					9.3
33322	Core			0.10	49.90	3.3	26.3	>10	38.2	713	3.27	0.36	0.24	0.22	16.6
33322 Dup				0.22	56.13	3.2	28.9	>10	36.8	723	3.31	0.35	0.25	0.22	16.1
QCV1208-00119-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.81				4.46	7107.6	226					10.3
33340	Core			0.07	37.68	2.5	19.7	9.90	9.9	701	2.60	0.34	0.70	0.12	13.6
33340 Dup				0.05	36.54	2.4	21.1	>10	11.5	712	2.51	0.36	0.75	0.11	15.1
QCV1208-00119-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.66				4.27	6843.4	218					10.0
33358	Core			0.07	46.26	2.3	29.0	>10	28.1	902	3.66	0.54	0.24	0.16	21.2
33358 Dup				0.05	49.96	2.1	20.1	>10	25.2	865	3.76	0.55	0.24	0.16	21.4
QCV1208-00119-0011-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101.00											
STD-CDN-ME-6 result				97.22											
33304	Core		<0.1												
33304 Dup			<0.1												
QCV1208-00120-0002-BLK			<0.1												
STD-OREAS92-2A expected			0.7												
STD-OREAS92-2A result			0.6												
33322	Core		<0.1												
33322 Dup			<0.1												
QCV1208-00120-0005-BLK			<0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			0.3												
33340	Core		<0.1												
33340 Dup			<0.1												
QCV1208-00120-0008-BLK			<0.1												
STD-OREAS 902-AR expected			0.3												
STD-OREAS 902-AR result			0.4												
33358	Core		0.2												
33358 Dup			0.3												
QCV1208-00120-0011-BLK			<0.1												
STD-DS-1 expected			0.5												
STD-DS-1 result			0.7												

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12-360-05148-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33304	Core	0.013													
33304 Dup		0.015													
QCV1208-00121-0002-BLK		<0.005													
33330	Core	0.200													
33330 Dup		0.231													
STD-OxG84 expected		0.922													
STD-OxG84 result		0.880													
QCV1208-00121-0005-BLK		<0.005													
33356	Core	<0.005													
33356 Dup		<0.005													
STD-OxE101 expected		0.607													
STD-OxE101 result		0.582													
QCV1208-00121-0008-BLK		<0.005													
STD-OxJ95 expected		2.337													
STD-OxJ95 result		2.222													

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12-360-05148-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33304	Core	177	2.54	34.5	1.63	8.99	0.99	0.02	1.16	18.3	0.24	361	0.46	0.07	1.6
33304 Dup		177	2.71	29.7	1.63	9.13	1.03	0.02	1.12	18.4	0.24	362	0.45	0.07	1.6
QCV1208-00119-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				27.2							2.58	427			
33322	Core	136	6.39	45.4	4.48	28.30	1.11	0.07	4.16	65.8	0.69	391	0.45	0.27	5.0
33322 Dup		134	6.50	46.9	4.58	28.37	1.23	0.07	4.23	65.5	0.71	399	0.47	0.28	4.6
QCV1208-00119-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				27.4							2.75	464			
33340	Core	101	6.60	41.5	4.67	26.29	1.56	0.07	3.01	96.0	1.26	702	0.54	0.34	5.7
33340 Dup		105	6.54	43.4	4.91	25.43	1.50	0.07	3.02	93.8	1.27	699	0.56	0.35	4.8
QCV1208-00119-0008-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				22.2							2.67	456			
33358	Core	108	8.40	49.6	5.12	27.66	1.57	0.07	3.62	73.5	0.74	440	1.26	0.54	5.0
33358 Dup		108	8.38	46.1	5.22	28.55	1.45	0.07	3.58	66.5	0.70	420	1.23	0.56	4.8
QCV1208-00119-0011-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				6318.0											

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12-360-05148-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-300

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33304	Core	12.6	99	17.8	0.003	0.80	3.6	0.125	4.6	50.1	0.9	22.9	0.14	1.34	8.7
33304 Dup		14.3	85	16.7	<0.002	0.80	3.5	0.126	4.0	50.4	0.9	24.6	0.12	1.56	7.8
QCV1208-00119-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7		13.8											
STD-DS-1 result		47.0		12.2											
33322	Core	35.8	567	26.4	<0.002	1.22	15.9	0.327	2.6	185.4	2.5	96.0	0.38	7.80	17.0
33322 Dup		36.9	530	28.2	<0.002	1.17	16.0	0.348	2.1	173.9	2.5	98.1	0.37	5.62	16.8
QCV1208-00119-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7		13.8											
STD-DS-1 result		47.5		13.0											
33340	Core	39.4	310	8.0	0.003	0.56	14.6	0.320	1.1	152.1	2.0	146.4	0.41	1.28	13.1
33340 Dup		38.1	285	7.7	0.003	0.58	14.4	0.332	<1.0	143.8	1.9	143.3	0.35	1.69	13.5
QCV1208-00119-0008-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7		13.8											
STD-DS-1 result		44.8		12.5											
33358	Core	47.2	110	32.2	0.002	4.56	16.0	2.253	<1.0	197.1	2.4	199.2	0.39	7.48	13.3
33358 Dup		47.8	119	32.2	0.004	4.61	15.0	2.132	1.1	183.2	2.4	185.8	0.37	7.45	12.3
QCV1208-00119-0011-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200											
STD-CDN-ME-6 result				>10000											

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-301

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33304	Core	0.041	0.34	1.5	27	1.4	3.6	49	51.2
33304 Dup		0.043	0.31	1.4	27	1.4	3.8	49	53.0
QCV1208-00119-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			18.68					193	
33322	Core	0.127	1.05	4.2	82	2.5	10.7	118	105.4
33322 Dup		0.121	1.03	3.9	84	2.5	10.0	122	101.7
QCV1208-00119-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			19.54					210	
33340	Core	0.143	0.82	3.5	73	1.3	7.6	111	79.6
33340 Dup		0.133	0.83	3.5	73	1.2	7.3	113	76.6
QCV1208-00119-0008-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			19.35					200	
33358	Core	0.188	1.04	3.7	85	2.0	5.8	117	79.1
33358 Dup		0.156	1.03	3.6	79	1.9	6.0	117	70.5
QCV1208-00119-0011-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5341	

Certificate of Analysis

12-360-05148-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
EMail: cbuchanan@northern-tiger.com

Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-008**
Client Reference: **Core-12-008**
Description: **3 ACE**

Date Received: 10/23/2012
Date Completed: 10/26/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	31	Core	

Location	Quantity	Method	Description
Vancouver, BC	31	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota -- Operations Manager

Vol 2-302

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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05148-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33304	Core	<0.01	<0.01	<0.01	<0.01	535.05	17.23	552.28
33305	Core	0.02	0.02	0.02	<0.01	484.73	14.43	499.16
33306	Core	0.02	0.02	0.01	0.06	532.62	10.02	542.64
33307	Core	0.04	0.04	0.03	0.01	530.20	13.24	543.44
33308	Core	<0.01	<0.01	<0.01	<0.01	516.83	9.55	526.38
33309	Core	0.01	0.01	0.01	<0.01	527.64	4.28	531.92
33310	Core	0.02	0.02	0.02	0.01	446.10	7.18	453.28
33311	Core	0.56	0.41	0.49	14.39	567.60	4.62	572.22
33312	Core	0.08	0.08	0.08	0.08	476.80	7.09	483.88
33313	Core	0.19	0.18	0.20	0.09	518.46	6.98	525.44
33314	Core	0.21	0.18	0.21	1.27	506.36	6.49	512.85
33315	Core	0.06	0.05	0.08	0.03	506.08	5.50	511.57
33316	Core	0.05	0.04	0.05	0.01	441.92	8.79	450.70
33317	Core	<0.01	<0.01	<0.01	<0.01	526.63	8.18	534.81
33318	Core	0.22	0.22	0.22	0.23	537.55	12.37	549.92
33319	Core	0.12	0.12	0.13	0.06	505.13	7.81	512.94
33320	Core	0.01	0.01	0.01	<0.01	515.83	12.58	528.40
33321	Core	<0.01	<0.01	<0.01	<0.01	509.52	6.42	515.94
33322	Core	0.01	0.01	<0.01	<0.01	563.51	5.82	569.33
33323	Core	0.02	0.02	0.02	<0.01	518.68	11.70	530.38
33324	Core	0.17	0.18	0.15	0.52	518.63	10.98	529.61
33325	Core	0.02	0.02	0.02	<0.01	513.38	16.77	530.15
33326	Core	0.04	0.04	0.04	0.02	541.89	19.25	561.14
33329	Core	0.08	0.06	0.09	0.07	521.11	15.14	536.25
33330	Core	0.33	0.31	0.35	0.51	541.74	10.78	552.51
33331	Core	0.67	0.58	0.67	4.67	499.66	6.04	505.69
33332	Core	0.13	0.13	0.13	0.12	512.49	14.59	527.08
33333	Core	0.10	0.10	0.10	0.09	448.52	5.87	454.39
33334	Core	0.46	0.42	0.50	0.22	497.94	4.46	502.40
33335	Core	0.31	0.31	0.33	0.25	520.94	21.18	542.12
33336	Core	0.09	0.09	0.09	0.07	505.21	7.68	512.89

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Certificate of Analysis

12-360-05148-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
QCV1210-01384-0001-BLK		<0.01						29.37
QCV1210-01384-0002-BLK		<0.01						29.17
QCV1210-01384-0004-BLK		<0.01						29.17
STD-OxF100 expected		0.80						
STD-OxF100 result		0.74						

Vol 2-304

Certificate of Analysis

12-360-05149-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-010**
Client Reference: **Core-12-010**
Description: **3 ACE**

Date Received: 08/01/2012
Date Completed: 08/13/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	56	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg

Location	Quantity	Method	Description
Vancouver, BC	1	Au-1AT-GV	Au, 1AT, Gravimetric
Vancouver, BC	54	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	54	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	54	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota -- Operations Manager

Vol 2-305

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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-306

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33379	Core		0.051	0.1	0.17	35.82	2.8	15.3	2.96	80.0	133	0.84	0.08	0.02	0.42
33380	Core		<0.005	<0.1	0.15	28.10	1.9	12.6	3.28	84.8	122	0.56	0.06	0.03	0.27
33381	Core		<0.005	<0.1	0.03	31.79	1.7	14.2	3.12	78.7	118	0.55	0.07	0.04	1.28
33382	Core		0.076	0.7	0.34	34.48	1.9	15.6	3.38	115.3	148	0.82	0.07	0.03	0.63
33383	Core		0.040	0.2	0.17	34.30	1.7	16.0	3.21	61.5	125	0.85	0.07	0.02	0.55
33384	Core		0.079	0.3	0.32	45.19	2.6	20.4	5.41	153.7	261	1.42	0.09	0.03	0.19
33385	Core		<0.005	0.1	<0.01	33.64	1.7	15.4	3.60	44.7	124	0.64	0.06	0.04	0.34
33386	Core		<0.005	0.1	0.06	31.10	1.3	13.3	2.69	145.6	116	0.57	0.13	0.02	0.79
33387	Core		<0.005	<0.1	0.05	24.72	1.0	10.4	2.47	139.3	95	0.60	0.07	0.02	0.38
33388	Core		0.014	0.3	0.60	32.67	1.4	14.1	3.59	133.7	125	0.75	0.04	0.05	0.34
33389	Core		0.010	<0.1	<0.01	37.18	1.5	16.3	2.83	36.0	117	0.93	0.07	0.05	0.17
33390	Core		0.017	0.1	<0.01	31.44	1.7	14.1	2.72	68.3	105	0.52	0.06	0.04	0.15
33391	Core		0.158	0.3	0.55	49.45	2.4	23.0	3.04	205.9	123	0.87	0.08	0.03	0.21
33392	Core		0.090	<0.1	<0.01	42.42	1.6	18.1	3.74	121.2	149	0.75	0.04	0.08	0.20
33393	Core		0.006	0.1	0.01	34.52	1.6	14.5	3.79	63.1	161	0.77	0.07	0.06	0.24
31990	Core		<0.005	<0.1	<0.01	62.87	2.0	31.4	8.43	53.1	464	2.67	0.25	0.14	0.10
31991	Core		<0.005	0.6	0.27	67.33	3.0	34.1	>10	72.9	793	3.91	0.33	0.13	0.06
31992	Core		0.046	0.2	0.24	43.25	2.8	22.1	>10	356.2	592	3.73	0.28	0.13	0.11
31993	Core		0.009	0.1	0.11	34.65	2.9	33.1	>10	69.0	554	3.45	0.39	0.20	0.11
31994	Core		0.008	0.1	0.08	69.65	2.9	34.4	>10	65.0	697	4.33	0.33	0.19	0.07
31995	Core		0.074	0.1	0.12	35.78	2.7	17.3	>10	147.5	598	4.47	0.40	0.20	0.07
31996	Core		0.046	0.1	<0.01	29.19	1.4	15.0	5.67	5087.9	353	2.33	0.15	0.41	0.06
31997	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
31998	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
31999	Core		0.062	0.1	<0.01	22.26	0.9	10.0	2.14	9074.2	81	0.92	0.07	0.04	0.08
32000	Core		<0.005	<0.1	<0.01	8.41	0.3	3.9	0.82	1046.0	28	0.32	0.02	0.04	0.04
32001	Core		0.006	0.1	0.39	11.48	0.5	5.3	1.55	2852.8	43	0.50	0.01	0.04	<0.02
32002	Core		0.015	0.1	<0.01	8.17	0.4	3.9	0.84	620.5	23	0.32	0.02	0.04	<0.02
32003	Core		0.012	0.1	<0.01	18.87	1.0	8.6	2.21	2800.1	82	0.70	0.03	0.05	0.04
32004	Core		0.026	<0.1	<0.01	12.02	0.7	5.6	1.35	6737.4	63	0.71	0.02	0.02	0.12
32005	Core		0.028	0.1	<0.01	25.65	1.0	12.2	2.08	7415.1	106	1.15	0.07	0.02	0.05
32006	Core		0.036	0.2	<0.01	17.46	1.1	8.4	1.93	9937.5	64	0.86	0.05	0.03	0.14
32007	Core		0.015	0.1	<0.01	9.22	0.6	4.4	1.37	4828.8	43	0.45	0.03	0.02	0.20
32008	Core		0.029	0.2	<0.01	12.92	0.7	7.3	1.24	4982.7	55	0.62	0.08	0.04	0.52
32009	Core		0.020	<0.1	0.16	11.83	1.4	5.4	1.09	4283.8	46	0.31	0.06	0.03	0.16
32010	Core		0.035	<0.1	0.12	9.73	0.6	4.7	1.19	4348.7	39	0.36	0.04	0.03	0.12
32011	Core		0.024	<0.1	<0.01	13.71	0.7	6.6	1.01	3582.7	38	0.27	0.04	0.02	0.11
32012	Core		<0.005	<0.1	0.02	1.42	0.4	0.9	0.07	1.5	18	0.20	0.01	>10	0.06
32013	Core	20.138	>10	4.2	4.31	15.06	0.9	6.6	2.88	>10000	226	0.94	6.28	1.99	1.44
32014	Core		0.077	<0.1	<0.01	19.05	1.0	9.0	2.33	2466.0	114	0.85	0.05	0.05	0.08

NS = No Sample

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
32015	Core		0.468	<0.1	<0.01	25.08	2.4	11.7	4.05	6495.9	295	1.62	0.07	0.05	0.12
32016	Core		0.247	<0.1	<0.01	24.14	1.1	11.4	2.09	7092.7	95	0.69	0.05	0.03	0.14
32017	Core		0.008	<0.1	<0.01	27.00	0.9	12.4	2.35	1011.0	70	0.56	0.02	0.04	0.37
32018	Core		0.023	0.1	<0.01	23.55	1.2	10.8	2.92	3616.0	107	0.94	0.03	0.04	0.14
32019	Core		0.451	<0.1	<0.01	27.26	1.6	12.8	3.15	>10000	142	1.06	0.19	0.04	0.28
32020	Core		0.014	<0.1	<0.01	25.14	1.0	12.5	2.11	3745.8	80	0.69	0.02	0.03	0.50
32021	Core		0.006	<0.1	0.04	28.10	1.1	12.4	2.33	181.2	82	0.71	0.05	0.04	0.79
32022	Core		<0.005	<0.1	<0.01	25.29	1.2	11.3	2.63	170.5	85	0.46	0.05	0.04	0.43
32023	Core		<0.005	0.3	<0.01	31.89	1.3	14.2	2.52	20.7	78	0.90	0.04	0.05	0.17
32024	Core		0.007	<0.1	<0.01	33.04	2.0	15.8	6.20	36.7	329	1.62	0.13	0.07	0.27
32025	Core		<0.005	0.2	0.07	32.63	1.2	15.4	3.59	22.1	171	1.15	0.37	0.05	0.18
32026	Core		0.019	<0.1	<0.01	26.83	0.9	12.6	2.57	16.7	102	0.57	0.03	0.04	0.13
32027	Core		<0.005	<0.1	0.15	32.10	1.7	15.0	4.17	29.9	176	1.13	0.04	0.05	0.06
32028	Core		<0.005	<0.1	<0.01	26.27	1.3	12.2	2.50	20.5	83	0.61	0.05	0.06	0.02
32029	Core		0.016	<0.1	0.03	30.31	1.4	14.2	3.21	18.3	132	1.05	0.06	0.06	0.05
32030	Core		0.006	<0.1	<0.01	26.98	1.1	12.1	2.31	9.1	84	0.46	0.05	0.20	0.12

NS = No Sample

Vol 2-307

INSPECTORATE
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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-308

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33379	Core	4.6	183	1.77	6.8	0.97	7.80	5.07	0.01	0.75	11.6	0.09	199	0.41	0.04
33380	Core	4.5	174	1.85	6.6	1.06	7.57	1.77	0.01	0.81	12.3	0.12	132	0.35	0.11
33381	Core	4.8	174	1.61	7.0	1.26	6.92	3.14	0.01	0.77	15.0	0.10	194	0.34	0.09
33382	Core	4.2	172	1.89	7.7	1.07	8.12	1.58	0.01	0.96	12.1	0.06	178	0.39	0.05
33383	Core	4.4	153	1.66	7.3	1.23	7.63	4.49	<0.01	0.78	10.4	0.06	199	0.37	0.04
33384	Core	7.2	159	4.11	15.1	1.17	14.29	4.72	0.02	1.63	13.5	0.10	193	0.42	0.09
33385	Core	5.0	165	1.63	8.5	1.51	8.26	5.88	0.01	0.80	23.5	0.14	211	0.32	0.06
33386	Core	3.7	158	1.60	5.6	1.09	6.20	2.46	0.01	0.65	11.8	0.04	129	0.48	0.04
33387	Core	2.9	181	1.38	3.6	0.91	5.66	2.58	<0.01	0.60	9.3	0.04	84	0.58	0.04
33388	Core	5.5	142	1.88	6.8	1.53	8.52	5.76	<0.01	0.94	23.0	0.26	146	0.36	0.06
33389	Core	5.1	185	1.78	6.7	1.17	7.84	0.95	0.01	0.72	18.4	0.15	259	0.37	0.14
33390	Core	4.0	151	1.52	4.6	1.01	6.60	2.87	<0.01	0.69	13.2	0.07	251	0.35	0.04
33391	Core	4.7	164	1.62	4.9	0.93	7.69	<0.05	0.01	0.72	13.7	0.06	237	0.36	0.03
33392	Core	5.9	195	2.06	4.5	1.17	8.96	5.25	<0.01	1.00	15.7	0.12	257	0.44	0.05
33393	Core	5.3	192	1.95	4.7	1.25	8.98	6.41	0.02	1.06	6.9	0.09	298	0.44	0.06
31990	Core	11.9	176	4.49	33.0	4.60	23.95	9.49	0.05	2.88	63.1	0.48	504	0.48	0.26
31991	Core	14.8	158	7.15	57.1	4.34	33.93	8.31	0.07	4.62	45.2	0.80	381	0.38	0.19
31992	Core	17.2	130	5.51	47.7	4.46	29.14	7.42	0.06	3.64	40.4	0.95	379	0.39	0.13
31993	Core	17.7	110	5.28	45.4	4.57	26.42	0.76	0.06	3.82	45.1	0.99	408	0.33	0.12
31994	Core	20.1	149	6.76	53.4	4.71	33.89	5.82	0.08	4.55	48.1	1.02	525	0.42	0.18
31995	Core	17.3	157	5.91	52.7	4.64	33.31	10.73	0.07	4.55	42.4	0.98	507	0.46	0.17
31996	Core	9.1	191	3.29	16.6	2.87	16.72	3.23	0.03	2.05	29.0	0.53	371	0.56	0.20
31997	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
31998	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
31999	Core	3.9	191	1.12	2.0	1.32	5.63	2.56	0.02	0.53	8.2	0.07	259	0.61	0.01
32000	Core	2.0	275	0.56	2.3	0.57	2.14	7.52	<0.01	0.17	4.4	0.02	184	0.49	<0.01
32001	Core	1.9	230	0.80	<0.2	0.69	3.35	2.40	<0.01	0.27	6.8	0.03	108	0.47	<0.01
32002	Core	1.1	247	0.52	<0.2	0.40	1.83	4.50	<0.01	0.14	2.9	0.02	105	0.48	<0.01
32003	Core	2.1	220	1.16	0.5	0.69	5.23	5.00	<0.01	0.57	8.0	0.05	148	0.50	0.01
32004	Core	2.6	257	0.98	7.1	0.87	3.95	1.26	0.01	0.41	6.7	0.05	128	0.57	<0.01
32005	Core	2.8	221	1.36	0.7	0.89	6.60	7.12	0.01	0.66	8.2	0.08	80	0.63	0.01
32006	Core	3.4	201	1.03	<0.2	1.03	4.89	4.67	0.01	0.43	7.1	0.05	51	0.66	<0.01
32007	Core	1.6	213	0.84	<0.2	0.63	3.07	8.22	<0.01	0.26	5.9	0.03	37	0.52	<0.01
32008	Core	2.0	234	1.17	0.6	0.69	3.59	3.60	0.01	0.30	7.6	0.03	39	0.55	<0.01
32009	Core	1.4	219	0.80	<0.2	0.76	2.59	3.10	<0.01	0.16	5.3	0.03	36	0.52	<0.01
32010	Core	1.4	230	0.70	<0.2	0.67	2.37	3.37	<0.01	0.24	4.8	0.03	28	0.58	<0.01
32011	Core	1.4	272	0.71	<0.2	0.57	2.24	4.77	<0.01	0.22	4.9	0.02	31	0.67	<0.01
32012	Core	0.9	10	0.39	0.7	0.46	0.36	<0.05	<0.01	0.04	1.0	>10	223	0.11	<0.01
32013	Core	14.4	77	1.17	109.7	3.36	7.52	0.80	0.07	1.03	6.8	0.66	514	28.30	0.60
32014	Core	2.1	215	1.26	2.0	0.65	6.39	7.95	0.01	0.71	9.0	0.08	153	0.63	0.02

NS = No Sample

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
32015	Core	5.6	219	2.81	8.1	1.00	12.07	3.10	0.02	1.71	10.8	0.15	66	0.54	0.04
32016	Core	4.5	195	1.22	2.9	1.32	4.96	0.81	0.01	0.59	6.0	0.07	98	0.61	0.01
32017	Core	2.3	145	1.09	2.2	0.98	4.57	6.68	<0.01	0.48	5.6	0.06	228	0.50	0.02
32018	Core	4.0	186	1.48	2.8	1.04	6.81	3.84	<0.01	0.74	8.4	0.10	189	0.49	0.02
32019	Core	6.6	174	1.76	1.7	4.01	7.77	7.02	0.04	1.05	9.5	0.15	211	1.05	0.03
32020	Core	3.2	200	1.19	4.2	1.12	4.83	3.38	<0.01	0.54	6.9	0.06	102	0.45	0.02
32021	Core	3.0	171	1.13	3.8	0.90	5.65	4.56	0.02	0.53	9.2	0.07	197	0.43	0.02
32022	Core	3.1	169	1.17	3.1	1.03	5.49	4.80	<0.01	0.59	7.5	0.08	212	0.34	0.02
32023	Core	3.1	161	1.11	3.1	1.04	5.34	7.21	<0.01	0.51	8.3	0.10	221	0.40	0.02
32024	Core	8.2	169	3.12	20.1	2.08	16.31	4.93	0.03	2.16	15.2	0.32	336	0.37	0.08
32025	Core	3.5	172	1.96	4.4	1.63	9.82	2.04	0.01	1.22	16.8	0.18	288	0.55	0.05
32026	Core	3.0	156	1.22	3.2	1.07	6.14	3.06	<0.01	0.69	9.6	0.11	212	0.35	0.03
32027	Core	3.8	182	2.03	3.8	1.56	9.23	3.46	0.01	1.22	14.6	0.17	282	0.40	0.05
32028	Core	2.5	176	1.13	1.9	0.98	4.96	4.16	<0.01	0.64	7.9	0.14	193	0.40	0.14
32029	Core	3.6	159	1.54	5.1	1.32	7.71	0.96	<0.01	0.93	9.8	0.17	292	0.40	0.05
32030	Core	2.9	211	1.35	3.4	0.91	5.49	3.82	<0.01	0.55	8.5	0.16	253	0.41	0.44

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12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-310

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33379	Core	1.5	9.7	91	14.7	<0.002	0.71	3.1	0.018	2.1	36.1	0.7	11.3	0.29	0.14
33380	Core	1.3	10.7	92	10.0	<0.002	0.49	2.9	<0.01	4.4	32.5	0.7	12.7	0.19	<0.05
33381	Core	1.0	11.2	84	15.2	<0.002	0.47	3.0	<0.01	3.3	32.7	0.7	11.6	0.15	0.08
33382	Core	1.2	8.6	79	10.5	<0.002	0.75	3.4	<0.01	3.8	41.9	0.7	11.3	0.15	0.07
33383	Core	0.9	9.3	101	11.7	<0.002	0.62	3.2	<0.01	4.0	32.6	0.7	11.2	0.11	0.07
33384	Core	1.5	15.4	77	11.6	<0.002	0.96	6.1	0.012	5.3	73.5	1.1	20.8	0.21	<0.05
33385	Core	1.1	12.1	81	11.9	<0.002	0.43	3.9	<0.01	6.0	33.5	0.8	12.0	0.12	0.08
33386	Core	0.7	7.5	56	14.4	<0.002	0.87	2.3	<0.01	6.8	30.6	1.2	10.2	0.09	<0.05
33387	Core	0.7	6.8	72	13.8	<0.002	0.93	1.9	<0.01	7.2	27.7	0.6	8.7	0.08	<0.05
33388	Core	0.8	14.4	81	8.7	<0.002	0.79	2.8	<0.01	5.5	38.8	0.7	10.3	0.08	0.08
33389	Core	1.3	11.2	61	10.0	<0.002	0.67	2.7	<0.01	5.8	36.8	0.7	11.8	0.12	0.12
33390	Core	1.1	8.6	80	11.6	<0.002	0.68	2.6	0.017	4.1	32.4	0.6	9.1	0.11	0.13
33391	Core	1.2	8.0	106	8.5	0.002	0.96	3.1	<0.01	3.1	34.9	0.7	10.1	0.12	<0.05
33392	Core	1.5	10.7	238	5.7	<0.002	0.85	2.8	0.013	4.5	47.6	0.9	14.1	0.13	0.05
33393	Core	1.0	8.8	143	7.3	<0.002	0.73	3.0	0.014	3.7	45.6	0.7	13.1	0.14	<0.05
31990	Core	2.1	35.5	270	15.8	0.002	0.67	11.5	0.023	2.7	119.1	1.9	68.5	0.22	0.11
31991	Core	3.1	39.8	252	19.2	<0.002	1.03	17.7	0.104	3.6	206.4	3.0	103.4	0.37	0.25
31992	Core	2.3	45.3	252	42.8	<0.002	1.64	14.1	0.334	2.7	158.4	2.3	96.1	0.28	0.15
31993	Core	2.4	47.6	618	24.0	0.003	1.40	15.3	0.223	2.5	142.2	2.3	196.5	0.31	0.14
31994	Core	2.3	52.3	428	17.0	<0.002	1.19	16.3	0.104	3.6	192.7	2.9	101.4	0.28	0.29
31995	Core	2.6	49.4	336	26.1	<0.002	1.36	13.8	0.232	2.7	168.3	2.8	100.9	0.28	0.20
31996	Core	1.6	25.0	222	19.7	<0.002	3.52	7.7	0.390	4.9	83.7	1.4	72.7	0.13	0.24
31997	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
31998	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
31999	Core	0.9	10.4	82	12.1	<0.002	4.73	1.9	0.426	8.4	27.6	0.6	11.2	0.07	0.21
32000	Core	0.3	6.8	137	8.9	<0.002	1.03	0.8	0.048	7.0	8.9	0.3	7.2	<0.05	0.09
32001	Core	0.5	6.0	134	4.0	<0.002	1.69	1.2	0.125	6.8	13.4	0.4	6.9	<0.05	0.23
32002	Core	0.3	5.3	196	6.2	<0.002	0.73	0.5	0.028	5.4	7.4	0.4	6.2	<0.05	<0.05
32003	Core	0.7	6.6	181	7.4	<0.002	1.67	1.6	0.127	5.2	26.0	0.6	11.6	0.08	0.20
32004	Core	0.7	8.2	67	3.5	<0.002	4.33	1.4	0.300	8.0	20.6	0.6	5.9	0.06	0.37
32005	Core	0.8	9.4	70	20.7	<0.002	5.35	1.9	0.351	7.8	35.8	0.7	6.8	0.06	0.29
32006	Core	0.6	9.1	88	8.7	<0.002	5.80	1.5	0.446	10.7	20.5	0.6	11.3	0.06	0.30
32007	Core	0.4	6.4	72	7.0	<0.002	2.73	0.9	0.201	10.6	12.9	0.5	10.7	<0.05	0.19
32008	Core	0.6	6.7	96	16.6	<0.002	4.10	1.4	0.199	39.6	18.0	0.5	25.6	<0.05	0.27
32009	Core	0.6	6.8	69	9.1	<0.002	3.20	1.1	0.190	6.6	13.4	0.5	10.3	0.12	0.38
32010	Core	0.4	5.3	76	5.6	<0.002	2.31	1.0	0.173	10.0	10.9	0.5	10.4	0.07	0.12
32011	Core	0.6	5.3	60	4.7	<0.002	2.55	1.0	0.140	11.6	10.8	0.5	10.3	0.07	0.29
32012	Core	0.5	2.2	251	2.0	<0.002	0.13	0.5	0.018	5.0	1.1	<0.2	46.2	0.31	0.25
32013	Core	0.4	46.9	181	1228.5	0.004	3.62	7.8	0.751	5.7	28.5	2.6	64.9	<0.05	1.07
32014	Core	0.7	6.8	84	9.9	<0.002	1.61	2.2	0.115	5.3	32.2	0.7	9.8	0.08	0.27

NS = No Sample

INSPECTORATE
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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
32015	Core	1.6	10.9	135	8.6	<0.002	4.86	5.0	0.328	9.7	80.3	1.4	19.1	0.16	0.33
32016	Core	0.7	11.4	109	4.7	<0.002	5.61	2.1	0.343	8.5	27.3	0.6	9.0	0.07	0.24
32017	Core	0.7	7.8	125	10.1	<0.002	0.92	1.9	0.073	6.3	21.3	0.5	6.9	0.07	0.18
32018	Core	0.9	9.0	120	8.8	<0.002	2.35	2.4	0.176	5.3	34.2	0.7	8.4	0.08	0.18
32019	Core	0.9	15.7	85	20.6	0.003	20.92	3.0	1.636	12.4	43.7	0.9	11.9	0.10	1.34
32020	Core	0.7	10.1	128	4.1	<0.002	3.02	1.9	0.160	9.8	25.5	0.6	12.9	0.06	0.19
32021	Core	1.0	8.4	131	21.7	<0.002	0.68	2.2	0.071	8.4	25.9	0.5	15.7	0.09	0.27
32022	Core	0.9	8.6	92	18.2	<0.002	0.59	2.0	0.076	4.4	24.9	0.5	9.6	0.09	0.08
32023	Core	1.0	10.2	112	12.4	<0.002	0.41	2.1	0.033	4.1	22.9	0.5	13.2	0.10	0.10
32024	Core	1.9	20.7	123	35.8	0.003	0.83	7.0	0.104	4.4	90.8	1.2	26.5	0.16	0.14
32025	Core	1.0	11.7	115	116.2	<0.002	0.66	3.1	0.074	4.0	50.1	0.9	19.6	0.08	0.12
32026	Core	0.7	8.6	111	5.3	<0.002	0.57	2.2	0.061	3.2	29.9	0.6	18.6	0.06	0.14
32027	Core	1.2	11.7	142	6.6	<0.002	0.61	3.5	0.060	3.5	50.5	0.9	35.7	0.12	0.22
32028	Core	1.0	7.2	77	6.7	<0.002	0.43	1.6	0.041	5.1	24.4	0.5	11.4	0.09	0.16
32029	Core	1.3	10.7	89	6.7	<0.002	0.60	2.7	0.077	4.4	38.5	0.7	14.1	0.10	0.11
32030	Core	1.0	8.0	72	11.4	<0.002	0.47	1.6	0.059	6.5	24.1	0.6	21.2	0.09	0.18

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Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-312

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33379	Core	10.0	0.027	0.22	1.6	21	1.3	4.9	31	61.4
33380	Core	8.1	0.029	0.21	1.5	22	0.8	4.6	36	51.7
33381	Core	8.5	0.028	0.20	1.5	21	0.9	4.2	54	51.4
33382	Core	9.4	0.033	0.25	1.5	23	1.7	5.0	44	59.3
33383	Core	9.0	0.024	0.22	1.6	21	1.3	3.9	38	52.0
33384	Core	14.4	0.044	0.42	2.2	42	2.1	6.2	52	83.0
33385	Core	10.4	0.027	0.20	1.6	25	0.9	4.4	40	62.9
33386	Core	7.3	0.018	0.19	1.4	15	1.1	3.6	49	46.5
33387	Core	5.2	0.016	0.15	1.3	13	1.1	5.4	32	32.5
33388	Core	7.9	0.025	0.23	1.3	22	1.0	4.1	62	46.7
33389	Core	8.7	0.026	0.20	1.4	18	1.1	4.3	42	57.5
33390	Core	9.7	0.028	0.19	1.4	18	1.6	4.7	32	55.8
33391	Core	15.4	0.040	0.19	1.9	22	1.4	6.2	39	86.2
33392	Core	9.4	0.031	0.25	1.6	21	1.4	4.7	49	57.4
33393	Core	8.6	0.029	0.29	1.6	21	1.5	4.6	35	51.6
31990	Core	12.7	0.076	0.71	2.8	63	0.9	6.0	103	66.2
31991	Core	19.4	0.109	1.24	4.4	91	2.1	7.8	116	93.6
31992	Core	16.0	0.085	0.91	3.8	76	1.9	7.3	136	91.5
31993	Core	16.9	0.163	1.00	4.2	78	2.1	8.7	128	87.5
31994	Core	15.8	0.088	1.19	4.5	86	1.7	6.9	129	100.3
31995	Core	11.6	0.098	1.18	4.6	89	2.3	5.0	122	89.1
31996	Core	8.9	0.050	0.46	2.0	42	1.5	5.0	55	50.0
31997	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS
31998	Core	NS	NS	NS	NS	NS	NS	NS	NS	NS
31999	Core	5.8	0.021	0.14	0.8	13	1.3	2.9	37	38.4
32000	Core	2.5	0.008	0.04	0.3	5	0.6	1.6	11	15.7
32001	Core	3.7	0.012	0.07	0.5	7	0.7	1.7	10	18.2
32002	Core	2.6	0.008	0.04	0.4	4	0.5	1.4	4	11.2
32003	Core	6.3	0.021	0.13	0.9	11	1.4	2.9	10	30.1
32004	Core	3.9	0.015	0.11	0.6	9	1.0	1.8	26	26.1
32005	Core	6.1	0.020	0.18	0.8	13	1.4	2.9	7	38.4
32006	Core	5.4	0.018	0.11	0.8	11	1.5	2.4	10	31.7
32007	Core	3.1	0.011	0.07	0.5	7	0.9	1.3	11	17.2
32008	Core	3.7	0.012	0.08	0.7	7	1.0	1.9	31	27.2
32009	Core	4.5	0.010	0.09	0.7	6	2.0	1.6	16	22.1
32010	Core	3.5	0.010	0.09	0.6	7	0.8	1.2	6	15.5
32011	Core	4.1	0.012	0.07	0.7	7	1.0	1.6	8	26.3
32012	Core	0.5	<0.005	<0.02	0.4	2	0.4	1.0	10	1.6
32013	Core	3.9	0.041	0.38	0.7	60	1.7	4.3	251	33.0
32014	Core	6.5	0.021	0.18	1.0	15	1.2	2.7	19	32.1

NS = No Sample

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
32015	Core	15.3	0.047	0.46	2.4	35	3.9	6.2	18	82.4
32016	Core	7.5	0.022	0.17	1.1	15	1.8	3.2	21	41.7
32017	Core	6.3	0.024	0.13	0.9	12	1.0	3.2	34	31.9
32018	Core	6.5	0.025	0.19	1.0	17	1.4	2.9	24	36.4
32019	Core	11.1	0.032	0.29	1.5	22	1.9	4.0	30	61.5
32020	Core	6.9	0.026	0.16	0.9	13	1.2	2.6	52	41.9
32021	Core	6.5	0.027	0.15	0.9	14	0.8	3.6	70	39.5
32022	Core	7.5	0.026	0.17	1.1	15	1.0	3.2	43	42.6
32023	Core	7.7	0.036	0.12	1.0	15	0.7	3.8	27	46.6
32024	Core	10.8	0.050	0.54	1.9	46	2.0	5.4	76	68.7
32025	Core	8.2	0.029	0.32	1.1	26	1.7	3.1	65	37.4
32026	Core	7.2	0.019	0.19	0.9	15	0.9	2.9	29	27.5
32027	Core	10.1	0.034	0.34	1.3	27	1.2	3.9	29	54.2
32028	Core	8.1	0.027	0.16	1.1	15	0.8	3.1	15	39.1
32029	Core	8.0	0.033	0.24	1.3	20	1.3	4.0	26	50.0
32030	Core	6.6	0.024	0.14	1.1	12	0.5	3.3	44	38.4

NS = No Sample

Vol 2-313

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Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-314

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33379	Core				0.17	35.82	2.8	15.3	2.96	80.0	133	0.84	0.08	0.02	0.42
33379 Dup					0.15	31.31	2.1	14.1	2.89	85.5	120	0.87	0.07	0.03	0.37
QCV1208-00116-0002-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-CDN-ME-6 expected					101										
STD-CDN-ME-6 result					>100										
31993	Core				0.11	34.65	2.9	33.1	>10	69.0	554	3.45	0.39	0.20	0.11
31993 Dup					0.10	36.84	2.8	17.8	>10	74.6	556	3.54	0.38	0.20	0.09
QCV1208-00116-0005-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-DS-1 expected					0.47				4.48	6930.0	221				
STD-DS-1 result					0.51				4.38	6496.5	207				
32011	Core				<0.01	13.71	0.7	6.6	1.01	3582.7	38	0.27	0.04	0.02	0.11
32011 Dup					<0.01	14.71	0.8	6.9	1.03	3612.6	38	0.32	0.03	0.02	0.13
QCV1208-00116-0008-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-CDN-ME-6 expected					101										
STD-CDN-ME-6 result					>100										
32029	Core				0.03	30.31	1.4	14.2	3.21	18.3	132	1.05	0.06	0.06	0.05
32029 Dup					0.08	30.63	1.5	14.4	3.10	18.4	141	1.04	0.05	0.06	0.06
QCV1208-00116-0011-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
33379	Core			0.1											
33379 Dup				0.3											
QCV1208-00117-0002-BLK				<0.1											
STD-DS-1 expected				0.5											
STD-DS-1 result				0.4											
31993	Core			0.1											
31993 Dup				0.1											
QCV1208-00117-0005-BLK				0.1											
STD-Oreas501 expected				0.7											
STD-Oreas501 result				0.9											
32011	Core			<0.1											
32011 Dup				<0.1											
QCV1208-00117-0008-BLK				<0.1											
STD-OREAS92-2A expected				0.7											
STD-OREAS92-2A result				0.7											
32029	Core			<0.1											
32029 Dup				<0.1											
QCV1208-00117-0011-BLK				<0.1											
STD-DS-1 expected				0.5											
STD-DS-1 result				0.2											
33379	Core		0.051												
33379 Dup			0.045												

INSPECTORATE
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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-315

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
QCV1208-00118-0002-BLK			<0.005												
32001	Core		0.006												
32001 Dup			0.007												
STD-OxJ95 expected			2.337												
STD-OxJ95 result			2.165												
QCV1208-00118-0005-BLK			<0.005												
32027	Core		<0.005												
32027 Dup			<0.005												
STD-Oxi96 expected			1.802												
STD-Oxi96 result			1.721												
QCV1208-00118-0008-BLK			<0.005												

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12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-316

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33379	Core	4.6	183	1.77	6.8	0.97	7.80	5.07	0.01	0.75	11.6	0.09	199	0.41	0.04
33379 Dup		4.2	183	1.61	6.1	1.03	7.53	4.46	<0.01	0.76	10.7	0.09	184	0.40	0.05
QCV1208-00116-0002-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-CDN-ME-6 expected					6130.0										
STD-CDN-ME-6 result					6213.1										
31993	Core	17.7	110	5.28	45.4	4.57	26.42	0.76	0.06	3.82	45.1	0.99	408	0.33	0.12
31993 Dup		16.6	117	4.68	46.4	4.83	26.95	0.79	0.06	4.01	41.6	1.01	401	0.30	0.14
QCV1208-00116-0005-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-DS-1 expected		9.5			27.1							2.76	437		
STD-DS-1 result		10.3			28.0							2.60	467		
32011	Core	1.4	272	0.71	<0.2	0.57	2.24	4.77	<0.01	0.22	4.9	0.02	31	0.67	<0.01
32011 Dup		1.4	251	0.71	<0.2	0.55	2.36	3.98	<0.01	0.22	5.0	0.02	31	0.69	<0.01
QCV1208-00116-0008-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-CDN-ME-6 expected					6130.0										
STD-CDN-ME-6 result					6053.9										
32029	Core	3.6	159	1.54	5.1	1.32	7.71	0.96	<0.01	0.93	9.8	0.17	292	0.40	0.05
32029 Dup		3.6	152	1.56	5.0	1.36	7.38	0.92	0.01	0.86	10.4	0.16	310	0.40	0.05
QCV1208-00116-0011-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01

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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33379	Core	1.5	9.7	91	14.7	<0.002	0.71	3.1	0.018	2.1	36.1	0.7	11.3	0.29	0.14
33379 Dup		1.2	9.3	107	13.5	<0.002	0.59	3.0	0.018	2.9	34.8	0.7	10.9	0.19	0.06
QCV1208-00116-0002-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-CDN-ME-6 expected					10200										
STD-CDN-ME-6 result					>10000										
31993	Core	2.4	47.6	618	24.0	0.003	1.40	15.3	0.223	2.5	142.2	2.3	196.5	0.31	0.14
31993 Dup		2.0	45.9	635	22.1	<0.002	1.28	11.3	0.224	2.4	139.1	2.2	170.7	0.28	0.10
QCV1208-00116-0005-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-DS-1 expected			48.7		13.8										
STD-DS-1 result			51.7		13.6										
32011	Core	0.6	5.3	60	4.7	<0.002	2.55	1.0	0.140	11.6	10.8	0.5	10.3	0.07	0.29
32011 Dup		0.6	5.7	64	4.6	<0.002	3.19	1.1	0.141	13.5	11.2	0.5	10.5	0.06	0.36
QCV1208-00116-0008-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-CDN-ME-6 expected					10200.0										
STD-CDN-ME-6 result					9663.9										
32029	Core	1.3	10.7	89	6.7	<0.002	0.60	2.7	0.077	4.4	38.5	0.7	14.1	0.10	0.11
32029 Dup		1.2	10.8	79	6.9	<0.002	0.58	2.7	0.072	4.7	39.9	0.7	14.2	0.12	0.17
QCV1208-00116-0011-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05

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INSPECTORATE
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Certificate of Analysis

12-360-05149-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-318

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33379	Core	10.0	0.027	0.22	1.6	21	1.3	4.9	31	61.4
33379 Dup		9.8	0.025	0.23	1.6	20	1.4	4.3	29	54.5
QCV1208-00116-0002-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected									5170	
STD-CDN-ME-6 result									5461	
31993	Core	16.9	0.163	1.00	4.2	78	2.1	8.7	128	87.5
31993 Dup		12.5	0.155	1.01	4.2	82	2.0	5.2	125	77.6
QCV1208-00116-0005-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected									206	
STD-DS-1 result									217	
32011	Core	4.1	0.012	0.07	0.7	7	1.0	1.6	8	26.3
32011 Dup		4.2	0.012	0.07	0.7	6	1.2	1.6	9	22.5
QCV1208-00116-0008-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected									5170	
STD-CDN-ME-6 result									4979	
32029	Core	8.0	0.033	0.24	1.3	20	1.3	4.0	26	50.0
32029 Dup		8.2	0.033	0.23	1.2	19	1.1	4.0	28	47.5
QCV1208-00116-0011-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5

Certificate of Analysis

12-360-05149-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
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Attention: Chris Buchanan
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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-010**
Client Reference: **Core-12-010**
Description: **3 ACE**

Date Received: 10/22/2012
Date Completed: 10/25/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	21	Core	

Location	Quantity	Method	Description
Vancouver, BC	21	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____
Sofia Devota – Operations Manager

Vol 2-319

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05149-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-320

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
31995	Core	0.02	0.02	0.03	0.01	510.08	5.02	515.10
31996	Core	0.05	0.04	0.06	0.05	510.09	5.37	515.45
31999	Core	0.05	0.05	0.06	0.04	497.22	10.63	507.85
32000	Core	<0.01	<0.01	<0.01	<0.01	502.34	18.13	520.47
32001	Core	0.01	0.01	0.02	<0.01	506.97	8.24	515.21
32002	Core	<0.01	<0.01	<0.01	<0.01	503.22	14.02	517.24
32003	Core	0.03	0.03	0.03	0.03	510.67	7.80	518.47
32004	Core	0.02	0.02	0.02	<0.01	498.23	10.43	508.66
32005	Core	0.04	0.04	0.03	0.04	502.85	13.39	516.24
32006	Core	0.03	0.03	0.03	0.01	506.85	6.28	513.12
32007	Core	0.02	0.02	0.02	0.01	510.21	8.80	519.01
32008	Core	0.03	0.03	0.04	0.01	461.05	17.83	478.88
32009	Core	0.02	0.02	0.02	0.02	497.96	6.52	504.48
32010	Core	0.03	0.03	0.04	<0.01	481.86	6.96	488.82
32014	Core	0.04	0.04	0.05	<0.01	497.24	10.13	507.36
32015	Core	0.45	0.42	0.42	2.01	508.31	9.77	518.08
32016	Core	0.29	0.28	0.30	0.19	493.43	6.44	499.87
32017	Core	<0.01	<0.01	<0.01	<0.01	505.16	5.34	510.49
32018	Core	0.01	0.01	0.02	<0.01	504.20	11.66	515.86
32019	Core	0.43	0.38	0.47	0.54	509.60	6.64	516.24
32020	Core	0.01	0.01	0.01	<0.01	420.16	26.12	446.28

INSPECTORATE
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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05149-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
QCV1210-01421-0001-BLK		<0.01						29.17
QCV1210-01421-0002-BLK		<0.01						29.17
STD-OxA89 expected		0.08						
STD-OxA89 result		0.08						
QCV1210-01421-0004-BLK		<0.01						29.37
STD-Oxi96 expected		1.80						
STD-Oxi96 result		1.74						

Vol 2-321

Certificate of Analysis

12-360-05150-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-006**
Client Reference: **Core-12-006**
Description: **3 ACE**

Date Received: 07/31/2012
Date Completed: 08/10/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	51	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg

Location	Quantity	Method	Description
Vancouver, BC	51	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	51	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	51	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota -- Operations Manager

Vol 2-322

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05150-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-323

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
31932	Core	0.039	0.1	0.09	17.87	0.7	8.3	2.28	1849.0	73	0.66	0.07	0.04	0.19	6.7
31933	Core	<0.005	0.1	<0.01	38.31	1.6	18.3	5.69	687.4	291	1.95	0.16	0.06	0.34	10.4
31934	Core	<0.005	0.1	<0.01	18.94	0.6	8.4	2.00	131.4	27	0.32	0.05	0.07	0.08	4.6
31935	Core	<0.005	0.1	<0.01	19.11	0.6	8.6	1.79	73.2	28	0.42	0.04	0.05	0.12	4.1
31936	Core	0.050	0.2	<0.01	29.04	2.1	14.5	7.82	737.2	480	2.58	0.57	0.09	0.47	12.7
31937	Core	<0.005	0.3	0.17	0.98	<0.1	0.7	0.04	<0.2	21	<0.05	0.10	>10	0.07	1.2
31938	Core	0.054	0.3	0.04	19.73	0.7	8.9	2.15	1154.8	50	0.43	0.17	0.11	1.70	4.9
31939	Core	0.041	0.4	0.23	19.29	0.7	8.8	2.17	1002.7	53	0.37	0.17	0.09	1.12	5.3
31940	Core	0.065	0.3	0.03	33.56	1.8	17.5	5.64	5874.5	411	2.01	0.09	0.06	0.25	7.6
31941	Core	0.672	0.4	0.20	23.15	0.8	9.7	2.49	>10000	97	0.77	0.18	0.06	0.25	6.7
31942	Core	0.144	0.5	0.54	16.76	0.7	8.1	2.47	>10000	142	0.80	0.12	0.05	2.24	5.5
31943	Core	0.080	0.3	0.37	59.84	2.2	27.4	6.88	5168.9	481	2.19	0.10	0.24	2.78	8.4
31944	Core	0.037	0.3	0.42	86.92	4.2	45.3	>10	445.0	1028	5.63	0.44	0.26	1.00	18.5
31945	Core	0.024	<0.1	<0.01	23.50	0.8	11.0	2.11	1321.8	62	0.62	0.06	0.80	0.32	4.9
31946	Core	0.015	<0.1	0.29	16.47	0.5	7.3	1.51	2259.4	60	0.48	0.10	0.63	0.74	2.7
31947	Core	0.030	<0.1	0.14	55.90	3.9	27.5	>10	386.2	1055	5.16	0.31	0.19	0.41	20.0
31948	Core	0.007	<0.1	0.02	64.95	2.5	30.5	8.96	54.3	541	2.77	0.18	0.22	0.10	12.1
31949	Core	0.015	0.3	0.76	114.67	4.6	54.0	>10	77.7	1023	4.67	0.42	0.12	0.18	16.5
31950	Core	0.019	<0.1	0.22	46.84	3.1	24.3	8.26	350.0	487	2.57	0.40	0.10	0.49	12.2
31951	Core	0.100	0.2	0.20	28.84	1.8	14.1	4.81	641.5	285	1.44	0.66	0.05	1.63	7.9
31952	Core	0.017	<0.1	<0.01	20.77	1.0	9.2	2.23	500.7	99	0.66	0.12	0.03	0.92	3.0
31953	Core	0.197	<0.1	<0.01	5.07	0.2	2.5	0.38	>10000	13	<0.05	0.48	0.01	0.17	3.2
31954	Core	0.023	<0.1	<0.01	5.45	0.2	2.7	0.34	4047.0	15	<0.05	0.22	0.01	0.13	0.9
31955	Core	0.028	<0.1	<0.01	5.60	0.3	2.9	0.43	4434.6	19	0.06	0.45	<0.01	0.24	1.5
31956	Core	0.026	<0.1	1.12	11.80	0.5	5.3	1.23	8582.9	56	0.36	0.30	0.01	0.54	2.0
31957	Core	0.145	<0.1	0.08	18.22	0.9	8.6	1.66	8159.3	81	0.54	0.09	0.02	0.87	1.8
31958	Core	0.026	0.5	0.52	11.17	0.6	5.4	1.21	4846.4	73	0.42	1.24	0.01	0.66	1.9
31959	Core	0.017	<0.1	0.09	11.68	0.6	5.4	1.31	3633.7	76	0.43	0.31	<0.01	0.51	1.6
31960	Core	0.033	<0.1	0.05	43.21	2.8	19.7	4.61	2262.1	266	1.39	0.33	0.03	0.61	4.6
31961	Core	0.011	<0.1	<0.01	27.06	1.6	13.2	3.16	3745.8	152	1.05	0.04	0.03	0.09	4.4
31833	Core	0.033	<0.1	<0.01	15.86	0.8	7.4	1.68	4614.5	51	0.41	0.05	0.10	0.03	1.9
31834	Core	0.012	<0.1	<0.01	17.52	1.0	8.2	2.04	893.6	59	0.36	0.08	0.08	0.02	2.3
31835	Core	<0.005	0.2	0.38	17.32	0.9	7.9	1.96	44.8	61	0.35	0.11	0.28	0.03	3.5
31836	Core	<0.005	<0.1	<0.01	28.83	1.4	13.6	3.42	15.7	153	0.58	0.04	0.27	0.03	3.0
31837	Core	<0.005	<0.1	0.14	0.88	<0.1	0.7	0.06	<0.2	13	0.09	0.01	>10	0.06	1.2
31838	Core	<0.005	<0.1	0.29	31.54	2.2	14.3	3.07	24.5	130	0.52	0.07	0.19	<0.02	2.7
31839	Core	<0.005	<0.1	0.19	31.32	1.3	14.2	2.66	8.0	109	0.30	0.08	0.24	<0.02	3.3
31840	Core	<0.005	<0.1	0.14	24.58	1.1	10.8	2.41	54.4	98	0.35	0.05	0.07	<0.02	3.8
31841	Core	<0.005	<0.1	<0.01	21.58	0.9	9.5	2.88	138.2	110	0.44	0.06	0.06	0.07	4.1
31842	Core	<0.005	<0.1	0.03	41.29	2.2	20.3	5.33	44.5	275	1.12	0.09	0.06	0.06	5.5

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Certificate of Analysis

12-360-05150-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-324

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
31843	Core	<0.005	<0.1	<0.01	21.26	1.0	10.7	2.24	27.9	88	0.40	0.04	0.05	0.03	2.8
31844	Core	0.022	<0.1	<0.01	19.98	1.0	9.9	2.25	970.0	94	0.46	0.05	0.03	0.05	2.6
31845	Core	0.033	<0.1	<0.01	24.73	1.2	12.4	2.20	8030.7	109	0.63	0.05	0.04	0.03	3.4
31846	Core	0.112	<0.1	<0.01	23.41	1.5	12.3	1.73	8792.7	83	0.54	0.06	0.03	0.04	3.2
31847	Core	<0.005	<0.1	<0.01	24.31	1.2	12.3	2.16	242.1	100	0.46	0.06	0.04	0.03	3.3
31848	Core	<0.005	<0.1	<0.01	21.10	1.0	10.1	2.21	298.3	104	0.57	0.07	0.03	0.08	2.8
31849	Core	<0.005	<0.1	<0.01	23.03	1.1	11.0	2.34	83.6	113	0.53	0.19	0.08	0.09	2.7
31850	Core	<0.005	<0.1	<0.01	21.74	1.1	10.3	2.35	49.7	109	0.57	0.05	0.03	0.05	2.3
31851	Core	<0.005	<0.1	<0.01	24.22	1.2	12.6	2.50	531.0	131	0.58	0.03	0.03	0.10	2.4
31852	Core	0.017	<0.1	<0.01	13.89	0.8	7.4	1.61	3688.7	93	0.54	0.05	0.03	0.05	2.3
31853	Core	0.007	<0.1	<0.01	20.86	0.9	10.2	2.14	157.1	97	0.50	0.04	0.03	0.04	2.4

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12-360-05150-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-325

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
31932	Core	172	0.93	27.5	2.75	5.73	1.28	0.01	0.49	93.9	0.13	236	0.42	0.03	0.6
31933	Core	154	2.51	31.2	2.92	14.42	1.36	0.03	1.83	42.6	0.20	307	0.50	0.08	2.0
31934	Core	115	0.58	11.7	2.22	3.98	0.99	<0.01	0.20	39.6	0.19	304	0.37	0.02	0.6
31935	Core	143	0.57	9.6	2.17	3.76	0.96	<0.01	0.17	48.6	0.18	272	0.36	0.01	0.7
31936	Core	165	3.95	42.6	3.88	18.55	1.28	0.05	2.96	34.9	0.46	374	0.43	0.13	2.4
31937	Core	7	0.34	8.0	0.46	0.23	<0.05	0.02	0.03	0.2	>10	202	0.11	<0.01	0.3
31938	Core	160	0.95	22.9	2.35	4.24	1.15	0.05	0.56	18.1	0.23	394	0.39	0.05	0.7
31939	Core	145	0.91	22.6	2.30	4.75	1.12	0.03	0.58	16.8	0.23	378	0.37	0.05	0.7
31940	Core	184	2.81	20.3	2.11	16.16	1.37	0.04	2.40	14.1	0.29	299	0.61	0.08	2.0
31941	Core	161	1.10	12.5	3.62	6.75	1.19	0.03	0.67	9.1	0.26	326	0.79	0.02	0.7
31942	Core	160	1.38	15.8	2.71	7.27	1.52	0.09	1.00	8.2	0.18	143	0.75	0.03	0.7
31943	Core	171	3.54	25.2	2.69	18.93	1.33	0.11	2.85	20.1	0.43	304	0.53	0.13	2.2
31944	Core	145	8.16	46.4	4.15	39.87	1.75	0.11	5.70	49.7	0.77	407	0.56	0.29	5.3
31945	Core	160	1.49	14.8	2.17	5.42	1.17	0.02	0.50	33.0	0.48	485	0.44	0.25	0.6
31946	Core	160	1.14	6.8	1.27	4.16	1.20	0.02	0.40	23.8	0.30	425	0.50	0.20	0.6
31947	Core	168	9.37	46.3	4.72	41.72	1.67	0.09	6.10	67.1	0.98	347	0.52	0.40	4.4
31948	Core	181	4.96	32.7	3.70	22.89	1.42	0.05	3.34	45.1	0.84	386	0.51	0.71	2.8
31949	Core	133	8.79	70.9	3.83	38.89	1.59	0.08	5.96	58.9	0.84	370	0.56	0.40	5.9
31950	Core	137	3.97	57.5	3.77	21.50	1.30	0.05	3.07	44.0	0.48	575	0.50	0.15	3.0
31951	Core	183	2.46	36.5	2.06	13.23	1.28	0.07	1.89	27.0	0.22	379	0.45	0.07	1.8
31952	Core	113	1.15	14.9	1.13	5.31	1.05	0.03	0.70	13.2	0.08	193	0.43	0.03	1.0
31953	Core	204	0.41	6.1	1.25	1.08	1.45	<0.01	0.11	1.9	0.01	30	0.69	<0.01	0.4
31954	Core	246	0.44	6.2	0.53	0.92	1.36	<0.01	0.13	1.4	0.01	23	0.55	<0.01	0.3
31955	Core	160	0.47	3.7	0.57	1.23	1.34	0.01	0.16	1.5	0.02	24	0.53	<0.01	0.4
31956	Core	187	0.75	5.1	0.91	3.39	1.49	0.02	0.55	2.0	0.06	24	0.75	0.02	0.5
31957	Core	152	0.91	4.9	0.99	4.43	1.39	0.04	0.64	6.1	0.06	26	0.90	0.02	0.7
31958	Core	152	0.94	4.2	0.70	3.34	1.39	0.02	0.55	4.3	0.05	32	0.55	0.02	0.6
31959	Core	143	0.84	4.4	0.68	3.77	1.33	0.02	0.59	5.8	0.05	53	0.71	0.02	0.7
31960	Core	120	2.32	12.6	1.49	12.33	1.22	0.03	1.94	14.9	0.18	266	0.48	0.07	2.0
31961	Core	121	1.54	4.6	0.98	9.24	1.12	0.01	0.95	16.3	0.12	205	0.51	0.04	1.0
31833	Core	154	1.03	3.5	1.02	3.90	1.05	0.01	0.37	39.4	0.06	139	0.51	0.48	0.6
31834	Core	150	1.07	3.4	1.01	4.06	0.92	<0.01	0.47	53.6	0.04	268	0.49	0.07	0.7
31835	Core	157	1.11	5.4	1.06	4.07	0.78	<0.01	0.45	12.7	0.08	342	0.46	0.17	0.8
31836	Core	170	1.95	5.6	1.31	8.21	0.91	0.01	0.97	12.9	0.18	213	0.44	0.37	1.1
31837	Core	8	0.54	2.1	0.55	0.24	<0.05	0.01	0.04	<0.2	>10	229	0.10	<0.01	0.2
31838	Core	132	1.91	9.5	1.16	7.01	0.81	0.01	0.89	8.5	0.15	168	0.36	0.31	2.7
31839	Core	145	1.66	7.3	1.15	6.98	0.73	<0.01	0.69	8.4	0.18	163	0.39	0.35	1.5
31840	Core	203	1.42	6.4	1.09	5.81	0.76	<0.01	0.56	11.4	0.09	251	0.41	0.18	1.1
31841	Core	131	1.20	6.5	1.83	5.99	0.68	0.01	0.65	18.8	0.06	302	0.39	0.04	0.8
31842	Core	148	2.11	12.3	1.85	12.74	0.81	0.02	1.70	20.6	0.15	288	0.38	0.09	2.3

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
31843	Core	137	1.11	7.3	1.17	5.35	0.73	<0.01	0.54	21.0	0.11	173	0.41	0.09	1.0
31844	Core	155	1.12	6.2	1.03	4.83	0.81	<0.01	0.57	6.8	0.06	170	0.44	0.03	1.0
31845	Core	163	1.13	9.3	1.44	5.58	1.01	0.01	0.63	6.9	0.10	155	0.62	0.02	0.9
31846	Core	152	1.06	2.0	1.48	5.10	1.07	0.01	0.51	8.2	0.06	101	0.63	0.02	1.1
31847	Core	143	1.21	4.8	0.81	5.03	0.76	0.01	0.56	12.9	0.04	156	0.43	0.02	1.1
31848	Core	141	1.47	4.2	0.78	5.38	0.83	<0.01	0.58	12.7	0.04	128	0.41	0.02	1.0
31849	Core	195	1.87	9.6	0.88	5.87	0.78	<0.01	0.66	9.8	0.08	196	0.49	0.03	0.9
31850	Core	157	1.20	5.4	0.97	5.70	0.74	<0.01	0.65	8.3	0.08	224	0.35	0.03	0.9
31851	Core	198	1.26	14.4	1.02	6.40	0.80	<0.01	0.75	6.4	0.08	160	0.38	0.03	1.0
31852	Core	163	0.99	3.1	0.86	5.22	1.16	0.01	0.54	6.8	0.07	111	0.52	0.02	0.7
31853	Core	165	1.13	3.4	0.94	5.70	0.95	<0.01	0.58	7.7	0.07	185	0.45	0.02	0.9

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12-360-05150-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-327

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
31932	Core	14.4	190	35.5	<0.002	1.38	1.9	0.181	5.2	23.2	0.5	54.9	<0.05	3.90	4.7
31933	Core	26.6	241	11.2	0.003	1.18	7.2	0.085	<1.0	81.5	1.2	28.3	0.15	1.09	11.9
31934	Core	9.8	194	17.1	<0.002	0.37	1.7	0.047	<1.0	9.4	0.4	7.7	0.05	3.27	4.5
31935	Core	8.4	133	14.2	<0.002	0.34	1.6	0.065	5.0	8.3	0.6	17.5	0.06	3.33	4.2
31936	Core	34.8	170	14.1	<0.002	2.36	9.4	0.999	<1.0	119.6	2.8	30.6	0.23	1.03	11.9
31937	Core	8.3	257	2.5	0.003	<0.05	0.2	0.015	<1.0	0.9	<0.2	45.8	<0.05	17.12	<0.2
31938	Core	10.3	146	91.3	<0.002	1.63	1.8	0.607	7.7	24.9	3.7	9.2	0.07	<0.05	5.0
31939	Core	12.0	110	106.1	0.002	1.48	1.7	0.629	6.0	23.5	2.7	8.5	0.06	2.51	4.8
31940	Core	18.4	165	10.9	<0.002	3.31	7.1	0.641	3.8	104.5	1.7	35.6	0.17	3.09	12.3
31941	Core	17.7	140	22.1	<0.002	10.09	2.1	1.356	5.6	29.1	1.2	10.6	0.06	4.31	5.1
31942	Core	14.8	169	408.5	<0.002	10.17	2.4	1.213	2.1	47.0	4.8	14.5	0.05	<0.05	4.8
31943	Core	20.5	156	166.7	0.003	3.50	8.5	0.781	1.1	116.0	3.1	43.4	0.16	7.52	13.2
31944	Core	46.1	504	109.4	0.002	2.43	23.3	1.068	5.3	278.5	4.9	81.6	0.38	15.27	25.3
31945	Core	12.7	127	28.5	<0.002	1.34	2.3	0.309	<1.0	21.7	0.7	52.6	<0.05	0.80	5.7
31946	Core	7.5	70	37.8	<0.002	1.18	1.8	0.254	3.0	19.7	0.7	50.3	<0.05	2.69	3.7
31947	Core	43.8	270	9.4	<0.002	2.67	21.4	0.720	8.6	276.6	3.5	70.2	0.35	10.66	21.7
31948	Core	37.0	199	9.9	0.002	1.07	12.8	0.128	6.1	140.6	1.8	47.2	0.22	8.02	14.6
31949	Core	34.3	312	24.2	0.004	1.90	19.7	0.149	<1.0	274.4	3.3	66.4	0.48	7.43	25.7
31950	Core	32.6	137	23.8	0.003	1.67	10.1	0.440	1.8	131.5	3.2	34.4	0.31	10.40	15.0
31951	Core	19.9	182	37.9	0.002	1.41	6.2	0.774	3.3	86.8	4.2	47.1	0.18	5.79	9.9
31952	Core	6.8	129	41.1	<0.002	0.76	2.1	0.234	1.5	33.4	1.6	19.0	0.09	3.82	5.2
31953	Core	9.1	66	10.6	<0.002	6.52	0.3	0.563	<1.0	5.6	1.3	9.2	<0.05	<0.05	1.3
31954	Core	3.9	48	6.3	<0.002	2.49	0.3	0.192	<1.0	6.6	1.8	13.5	<0.05	1.94	1.5
31955	Core	4.8	49	16.2	<0.002	2.84	0.4	0.206	<1.0	8.2	1.5	5.4	<0.05	4.68	1.6
31956	Core	6.4	69	34.5	<0.002	4.67	0.9	0.411	5.1	28.2	5.3	4.9	<0.05	5.25	2.8
31957	Core	6.7	40	67.3	<0.002	3.29	1.6	0.380	8.8	28.5	2.4	10.0	0.06	<0.05	4.9
31958	Core	5.4	50	136.1	<0.002	2.96	1.0	0.256	3.6	25.1	3.2	5.6	0.05	2.29	3.2
31959	Core	6.3	48	11.0	<0.002	2.54	1.2	0.205	2.1	29.5	2.4	8.6	0.06	1.23	3.1
31960	Core	11.8	88	18.5	0.003	2.32	4.6	0.420	<1.0	89.1	4.0	17.5	0.18	4.62	13.3
31961	Core	11.4	78	5.9	<0.002	1.83	3.0	0.243	<1.0	50.8	0.8	10.6	0.12	1.73	8.2
31833	Core	5.7	209	6.3	0.002	1.85	1.0	0.219	<1.0	17.4	0.4	21.3	0.07	3.26	4.4
31834	Core	5.8	335	8.7	<0.002	0.58	1.1	0.070	<1.0	22.2	0.4	11.7	0.15	2.83	4.8
31835	Core	6.9	800	7.8	0.003	0.51	1.3	0.078	<1.0	19.8	0.4	16.5	0.07	3.68	4.1
31836	Core	10.4	400	7.0	<0.002	0.26	2.8	0.014	1.8	43.6	0.6	25.0	0.10	8.96	6.4
31837	Core	8.0	230	2.1	0.004	<0.05	<0.1	0.017	<1.0	1.7	<0.2	43.0	0.06	13.45	<0.2
31838	Core	8.8	198	8.3	0.003	0.38	2.8	0.010	1.3	38.1	0.7	20.1	0.57	<0.05	7.4
31839	Core	9.6	83	9.6	<0.002	0.34	2.6	0.013	2.0	30.4	0.8	21.1	0.20	0.06	6.8
31840	Core	8.5	59	8.4	<0.002	0.51	2.5	0.011	2.2	27.4	0.7	15.3	0.17	<0.05	5.0
31841	Core	8.8	128	11.8	<0.002	0.39	2.2	<0.01	<1.0	28.8	0.5	21.4	0.08	6.32	4.9
31842	Core	13.4	235	9.0	<0.002	0.46	5.7	0.017	3.9	71.4	0.9	22.9	0.16	6.59	9.8

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12-360-05150-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
31843	Core	11.2	92	8.8	<0.002	0.24	1.7	0.011	2.2	23.6	0.4	9.3	0.06	3.78	5.3
31844	Core	6.8	116	11.6	<0.002	0.51	1.6	0.054	7.4	25.1	0.5	9.0	0.08	4.68	5.4
31845	Core	8.7	172	6.7	<0.002	2.95	1.7	0.424	4.4	31.7	0.5	9.8	0.07	2.35	5.6
31846	Core	8.6	92	8.4	<0.002	3.34	1.6	0.395	<1.0	26.0	0.5	14.7	0.10	4.88	7.8
31847	Core	8.1	195	9.8	<0.002	0.39	2.0	0.044	<1.0	25.8	0.5	15.0	0.10	1.99	7.6
31848	Core	6.5	209	8.2	<0.002	0.40	1.9	0.019	5.5	29.4	0.5	31.6	0.14	7.65	5.9
31849	Core	7.1	357	11.5	<0.002	0.43	1.9	0.033	8.5	30.9	0.5	24.7	0.08	4.70	5.8
31850	Core	7.6	75	11.6	<0.002	0.24	1.6	<0.01	6.6	29.0	0.4	10.4	0.07	3.00	5.0
31851	Core	7.3	114	4.9	<0.002	0.45	1.8	0.071	<1.0	37.1	0.5	11.0	0.08	2.93	6.3
31852	Core	7.0	136	10.9	<0.002	1.41	1.3	0.183	3.6	25.4	0.5	9.9	0.05	2.15	4.0
31853	Core	7.3	97	12.1	<0.002	0.45	1.5	0.031	<1.0	30.8	0.5	12.3	0.07	2.32	5.2

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
31932	Core	0.019	0.12	0.9	13	1.2	2.6	74	21.3
31933	Core	0.058	0.47	2.4	42	1.2	4.3	83	53.1
31934	Core	0.020	0.06	0.8	12	0.4	2.6	48	20.5
31935	Core	0.021	0.05	0.7	11	0.4	2.3	46	19.8
31936	Core	0.086	0.70	2.9	60	2.5	5.8	86	65.8
31937	Core	<0.005	<0.02	0.7	1	0.2	0.7	15	0.5
31938	Core	0.023	0.16	0.9	12	0.7	3.7	139	25.2
31939	Core	0.022	0.17	0.8	13	0.8	2.6	105	24.5
31940	Core	0.067	0.59	2.7	53	2.0	5.4	47	62.4
31941	Core	0.024	0.16	0.9	17	0.8	2.4	49	24.8
31942	Core	0.024	0.22	0.8	19	0.9	2.2	155	23.3
31943	Core	0.074	0.62	2.7	60	1.5	6.2	213	71.3
31944	Core	0.244	1.37	6.1	114	2.4	11.8	114	158.4
31945	Core	0.017	0.10	0.8	14	0.5	3.8	64	32.0
31946	Core	0.014	0.10	0.6	10	0.4	3.2	77	18.8
31947	Core	0.251	1.32	5.2	125	2.2	9.9	122	144.5
31948	Core	0.097	0.70	3.4	71	1.1	7.3	86	85.4
31949	Core	0.194	1.39	5.8	130	1.7	11.5	112	168.0
31950	Core	0.103	0.76	3.5	66	2.2	7.9	111	97.2
31951	Core	0.054	0.44	2.0	36	1.9	5.2	120	56.1
31952	Core	0.027	0.18	1.0	14	0.9	3.2	79	35.7
31953	Core	0.005	0.03	0.3	2	0.5	0.8	11	9.3
31954	Core	<0.005	0.04	0.2	2	0.4	0.7	5	8.6
31955	Core	0.006	0.04	0.3	3	0.4	0.7	10	8.6
31956	Core	0.014	0.11	0.5	8	0.7	1.3	23	18.0
31957	Core	0.023	0.15	0.9	11	1.3	2.3	46	32.8
31958	Core	0.018	0.13	0.6	9	0.8	1.5	32	19.6
31959	Core	0.020	0.13	0.6	10	0.8	1.7	23	23.4
31960	Core	0.064	0.46	2.3	37	2.0	7.1	38	94.9
31961	Core	0.036	0.28	1.3	23	1.3	3.9	26	50.2
31833	Core	0.016	0.10	0.8	8	0.5	2.3	12	24.8
31834	Core	0.020	0.12	1.1	11	1.2	2.8	15	28.2
31835	Core	0.020	0.11	1.0	11	2.3	3.4	17	29.9
31836	Core	0.033	0.23	1.2	23	0.3	4.1	23	49.4
31837	Core	<0.005	<0.02	0.4	2	<0.1	0.7	16	<0.5
31838	Core	0.028	0.24	1.3	22	0.9	3.7	20	54.8
31839	Core	0.025	0.21	1.2	18	0.4	3.4	21	52.0
31840	Core	0.023	0.17	1.0	16	0.4	2.8	23	36.3
31841	Core	0.026	0.15	1.2	16	0.5	2.9	34	30.6
31842	Core	0.072	0.34	1.8	42	0.7	5.9	41	77.3

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12-360-05150-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
31843	Core	0.029	0.13	0.9	15	0.3	2.6	25	38.3
31844	Core	0.030	0.13	0.9	16	0.4	3.7	22	31.5
31845	Core	0.030	0.14	0.9	16	0.8	3.2	20	46.1
31846	Core	0.029	0.13	1.2	13	1.1	3.8	20	48.6
31847	Core	0.032	0.14	1.3	16	0.6	3.5	34	45.8
31848	Core	0.028	0.14	1.1	15	0.6	3.2	43	38.8
31849	Core	0.026	0.15	1.2	14	0.5	3.5	28	38.8
31850	Core	0.027	0.14	1.0	15	0.4	2.8	31	32.8
31851	Core	0.032	0.18	1.1	17	0.6	3.4	50	41.4
31852	Core	0.020	0.12	0.8	11	0.8	2.2	27	26.6
31853	Core	0.023	0.14	0.9	12	0.5	2.7	37	33.3

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12-360-05150-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
31932	Core			0.09	17.87	0.7	8.3	2.28	1849.0	73	0.66	0.07	0.04	0.19	6.7
31932 Dup				0.09	16.56	0.6	7.4	2.03	1697.1	65	0.58	0.07	0.03	0.20	6.0
QCV1208-00125-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101											
STD-CDN-ME-6 result				>100											
31950	Core			0.22	46.84	3.1	24.3	8.26	350.0	487	2.57	0.40	0.10	0.49	12.2
31950 Dup				0.15	59.29	3.0	31.6	8.28	345.3	487	2.59	0.39	0.09	0.51	13.7
QCV1208-00125-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.53				4.65	7393.6	235					10.6
QCV1208-00125-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101.00											
STD-CDN-ME-6 result				96.61											
QCV1208-00125-0010-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
31932	Core		0.1												
31932 Dup			0.1												
QCV1208-00126-0002-BLK			<0.1												
STD-OREAS 902-AR expected			0.3												
STD-OREAS 902-AR result			0.1												
31950	Core		<0.1												
31950 Dup			<0.1												
QCV1208-00126-0005-BLK			<0.1												
STD-Oreas501 expected			0.7												
STD-Oreas501 result			0.9												
31839	Core		<0.1												
31839 Dup			<0.1												
QCV1208-00126-0008-BLK			<0.1												
STD-OREAS 902-AR expected			0.3												
STD-OREAS 902-AR result			0.3												
QCV1208-00126-0010-BLK			<0.1												
31932	Core	0.039													
31932 Dup		0.044													
QCV1208-00127-0002-BLK		<0.005													
31958	Core	0.026													
31958 Dup		0.023													
STD-OxC102 expected		0.207													
STD-OxC102 result		0.192													
QCV1208-00127-0005-BLK		0.008													
QCV1208-00127-0006-BLK		<0.005													
STD-OxG84 expected		0.922													
STD-OxG84 result		0.900													

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12-360-05150-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
31932	Core	172	0.93	27.5	2.75	5.73	1.28	0.01	0.49	93.9	0.13	236	0.42	0.03	0.6
31932 Dup		170	0.87	22.3	2.41	5.33	1.16	0.01	0.42	85.7	0.11	212	0.40	0.03	0.5
QCV1208-00125-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				6462.1											
31950	Core	137	3.97	57.5	3.77	21.50	1.30	0.05	3.07	44.0	0.48	575	0.50	0.15	3.0
31950 Dup		120	4.50	53.8	3.78	21.59	1.40	0.06	3.12	48.6	0.48	581	0.53	0.16	2.9
QCV1208-00125-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				24.5							2.89	477			
QCV1208-00125-0008-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				6477.0											
QCV1208-00125-0010-BLK		<1	<0.05	0.4	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1

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INSPECTORATE
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Certificate of Analysis

12-360-05150-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
31932	Core	14.4	190	35.5	<0.002	1.38	1.9	0.181	5.2	23.2	0.5	54.9	<0.05	3.90	4.7
31932 Dup		12.7	182	35.6	<0.002	1.26	1.7	0.166	5.3	20.4	0.5	50.2	<0.05	4.82	5.1
QCV1208-00125-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200											
STD-CDN-ME-6 result				>10000											
31950	Core	32.6	137	23.8	0.003	1.67	10.1	0.440	1.8	131.5	3.2	34.4	0.31	10.40	15.0
31950 Dup		37.9	134	27.4	<0.002	1.73	11.8	0.443	1.9	143.8	3.3	37.7	0.39	11.63	15.0
QCV1208-00125-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7	340	13.8											
STD-DS-1 result		47.7	372	12.9											
QCV1208-00125-0008-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200											
STD-CDN-ME-6 result				>10000											
QCV1208-00125-0010-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	0.08	<0.2

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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05150-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
31932	Core	0.019	0.12	0.9	13	1.2	2.6	74	21.3
31932 Dup		0.016	0.12	0.9	12	1.3	2.2	69	20.8
QCV1208-00125-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5319	
31950	Core	0.103	0.76	3.5	66	2.2	7.9	111	97.2
31950 Dup		0.091	0.75	3.3	65	2.0	9.1	109	107.6
QCV1208-00125-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			18.68					206	
QCV1208-00125-0008-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5510	
QCV1208-00125-0010-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5

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Certificate of Analysis

12-360-05150-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-006**
Client Reference: **Core-12-006**
Description: **3 ACE**

Date Received: 10/23/2012
Date Completed: 10/25/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	47	Core	

Location	Quantity	Method	Description
Vancouver, BC	47	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____
Sofia Devota – Operations Manager

Vol 2-335

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Certificate of Analysis

12-360-05150-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-336

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
31932	Core	0.04	0.03	0.04	0.04	508.61	9.71	518.32
31933	Core	<0.01	<0.01	<0.01	<0.01	502.15	11.00	513.14
31934	Core	<0.01	<0.01	<0.01	<0.01	497.13	10.71	507.84
31935	Core	<0.01	<0.01	<0.01	<0.01	491.73	5.15	496.88
31936	Core	0.05	0.06	0.05	0.01	499.61	9.77	509.38
31939	Core	0.04	0.04	0.04	0.04	489.73	18.48	508.21
31940	Core	0.07	0.06	0.07	0.06	505.00	5.47	510.47
31941	Core	0.67	0.66	0.68	0.53	489.57	4.17	493.74
31942	Core	0.16	0.17	0.16	0.12	498.46	12.50	510.96
31943	Core	0.08	0.08	0.08	0.09	507.78	5.96	513.74
31944	Core	0.03	0.03	0.03	0.04	502.85	7.42	510.27
31945	Core	0.02	0.02	0.02	0.01	496.77	10.30	507.07
31946	Core	0.01	0.01	0.01	<0.01	503.05	4.11	507.16
31947	Core	0.03	0.03	0.02	0.01	499.13	13.55	512.68
31948	Core	<0.01	<0.01	<0.01	<0.01	499.83	9.04	508.87
31949	Core	0.02	0.02	0.02	<0.01	510.57	5.91	516.48
31950	Core	0.02	0.02	0.02	0.01	502.98	8.24	511.22
31951	Core	0.10	0.10	0.07	1.95	508.92	5.03	513.95
31952	Core	0.02	0.02	0.02	<0.01	507.19	12.09	519.28
31953	Core	0.27	0.28	0.27	0.23	510.08	4.60	514.68
31954	Core	0.02	0.02	0.02	0.01	499.36	10.25	509.60
31955	Core	0.04	0.04	0.04	0.02	500.60	7.62	508.22
31956	Core	0.03	0.03	0.03	0.03	495.49	10.85	506.34
31957	Core	0.06	0.06	0.07	0.05	490.57	15.37	505.94
31958	Core	0.02	0.02	0.02	<0.01	498.35	17.81	516.16
31959	Core	0.01	0.01	0.01	<0.01	496.09	4.85	500.94
31960	Core	0.01	0.02	0.01	0.01	503.48	8.02	511.50
31961	Core	<0.01	<0.01	<0.01	<0.01	487.14	7.82	494.96
31833	Core	0.04	0.04	0.04	0.01	495.60	9.48	505.08
31834	Core	<0.01	<0.01	<0.01	<0.01	501.45	11.87	513.32
31835	Core	<0.01	<0.01	<0.01	<0.01	511.57	5.16	516.73
31836	Core	<0.01	<0.01	<0.01	<0.01	503.96	5.19	509.14
31839	Core	<0.01	<0.01	<0.01	<0.01	492.19	8.89	501.08
31840	Core	<0.01	<0.01	<0.01	<0.01	496.27	15.76	512.03
31841	Core	<0.01	<0.01	<0.01	<0.01	506.65	6.17	512.81
31842	Core	<0.01	<0.01	<0.01	<0.01	498.65	12.03	510.68
31843	Core	<0.01	<0.01	<0.01	<0.01	503.40	4.96	508.36
31844	Core	<0.01	<0.01	<0.01	<0.01	500.72	13.54	514.26
31845	Core	0.03	0.03	0.03	0.01	499.12	7.89	507.01
31846	Core	0.04	0.05	0.04	0.02	494.70	11.33	506.03

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12-360-05150-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
31847	Core	<0.01	<0.01	<0.01	<0.01	507.08	7.58	514.66
31848	Core	<0.01	<0.01	<0.01	<0.01	495.04	9.80	504.83
31849	Core	<0.01	<0.01	<0.01	<0.01	505.54	10.69	516.23
31850	Core	<0.01	<0.01	<0.01	<0.01	502.00	15.75	517.75
31851	Core	<0.01	<0.01	<0.01	<0.01	498.83	10.96	509.79
31852	Core	0.02	0.01	0.02	<0.01	498.14	10.16	508.30
31853	Core	0.01	0.02	<0.01	<0.01	502.39	10.81	513.19

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Northern Tiger Resources
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Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
QCV1210-01383-0001-BLK		<0.01						29.17
QCV1210-01383-0002-BLK		<0.01						29.17
QCV1210-01383-0004-BLK		<0.01						29.37
STD-OxF100 expected		0.80						
STD-OxF100 result		0.76						
QCV1210-01383-0006-BLK		<0.01						29.17
STD-Oxi96 expected		1.80						
STD-Oxi96 result		1.68						

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Certificate of Analysis

12-360-05459-01

Inspectorate Exploration & Mining Services Ltd.
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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-016**
Client Reference: **Core-12-016**
Description: **3 ACE**

Date Received: 08/13/2012
Date Completed: 08/22/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	52	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg
Whitehorse, YT	2	Pulp	SP-PU/Handling of submitted samples

Location	Quantity	Method	Description
Vancouver, BC	54	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	54	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	54	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-339

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Certificate of Analysis

12-360-05459-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-340

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33625	Core	0.021	<0.1	0.14	26.01	4.0	12.6	>10	78.7	876	3.82	0.16	0.08	0.26	13.3
33626	Core	0.025	<0.1	<0.01	25.67	1.5	12.2	4.37	44.9	244	1.34	0.08	0.07	0.06	7.5
33627	Core	0.029	0.1	<0.01	22.35	1.4	10.3	3.61	84.4	160	1.10	0.07	0.07	0.09	6.6
33628	Core	0.049	<0.1	0.02	19.39	1.3	9.6	3.64	268.7	152	1.48	0.06	0.07	0.08	8.3
33629	Core	0.300	<0.1	0.07	39.58	2.7	21.2	8.10	1336.7	475	2.87	0.19	0.18	0.14	14.9
33630	Core	0.484	0.3	0.27	40.91	1.9	21.1	6.00	1148.1	252	1.88	0.22	0.09	0.30	13.1
33631	Core	0.212	<0.1	0.09	20.14	1.5	9.8	4.63	4745.8	299	1.19	0.10	0.06	0.15	5.8
33632	Core	0.008	<0.1	<0.01	23.32	2.1	10.7	5.52	92.0	272	1.05	0.07	0.11	0.07	9.7
33633	Core	0.066	<0.1	0.87	21.29	1.8	9.8	3.93	247.8	166	1.18	0.07	0.15	0.15	6.1
33634	Core	0.062	<0.1	0.06	27.39	1.9	13.4	4.50	471.3	223	1.31	0.08	0.10	0.07	9.9
33635	Core	0.305	<0.1	0.16	38.20	2.9	19.9	>10	1624.2	675	3.19	0.40	0.18	0.15	18.2
33636	Core	0.717	0.4	0.46	25.74	3.3	15.2	>10	850.3	667	3.10	0.52	0.28	0.28	29.7
33637	Pulp	<0.005	<0.1	0.09	1.27	<0.1	0.8	0.08	34.4	15	<0.05	0.02	>10	0.06	1.3
33638	Core	0.152	<0.1	0.07	31.85	2.2	16.4	5.58	126.2	302	1.63	0.12	0.18	0.08	8.9
33639	Core	0.062	<0.1	0.04	23.13	2.3	12.2	5.90	126.2	318	1.68	0.09	0.23	0.08	9.5
33640	Core	0.284	<0.1	0.06	23.29	2.1	10.4	4.96	878.2	262	1.42	0.19	0.63	0.07	7.3
33641	Core	0.225	<0.1	0.02	19.23	1.8	9.3	3.97	1288.1	175	1.33	0.10	0.45	0.07	5.9
33642	Core	0.917	<0.1	0.18	26.85	1.4	12.5	3.31	1630.9	107	0.86	0.07	0.35	0.04	7.5
33643	Core	0.570	<0.1	0.15	42.97	3.1	22.2	>10	876.0	811	4.75	0.39	0.17	0.17	17.9
33644	Core	0.205	<0.1	0.11	42.80	3.2	23.1	>10	277.8	617	3.82	0.37	0.13	0.15	17.0
33645	Core	1.650	0.2	0.17	45.62	2.5	22.8	7.73	5060.3	432	3.94	0.18	0.09	0.13	12.5
33646	Core	0.843	<0.1	0.15	35.56	3.5	18.2	>10	1934.8	678	5.51	0.27	0.18	0.15	17.0
33647	Core	0.250	<0.1	0.17	38.88	3.6	20.3	>10	812.4	737	4.62	0.32	0.26	0.15	18.7
33648	Core	0.124	<0.1	0.45	30.48	3.2	16.2	>10	272.4	716	5.02	0.33	0.24	0.15	17.7
33649	Core	0.082	<0.1	0.29	41.64	3.2	22.4	>10	153.5	612	3.72	0.41	0.16	0.14	17.7
33650	Core	0.823	0.2	0.22	52.60	3.1	27.3	9.93	3967.7	465	3.72	0.35	0.15	0.16	15.2
33651	Core	0.761	0.3	0.21	75.96	2.7	38.1	>10	2195.1	556	4.17	0.39	0.13	0.30	17.9
33652	Core	0.135	<0.1	0.26	58.53	2.6	29.5	8.42	119.2	466	2.96	0.28	0.12	0.16	14.1
33653	Core	0.011	<0.1	0.24	60.73	2.6	32.0	>10	73.2	656	3.20	0.44	0.11	0.17	17.0
33654	Core	0.007	<0.1	0.14	58.68	3.7	30.4	>10	61.4	885	4.35	0.44	0.15	0.16	18.7
33655	Core	0.081	<0.1	<0.01	23.83	1.7	10.7	3.52	158.3	109	0.94	0.07	0.15	0.05	8.2
33656	Core	0.006	<0.1	<0.01	24.24	1.5	11.1	2.71	18.6	92	0.59	0.06	0.25	0.03	6.5
33657	Core	0.477	<0.1	0.06	32.29	3.3	16.8	9.15	131.3	568	2.65	0.32	0.51	0.11	13.7
33658	Core	0.098	<0.1	0.23	16.21	2.6	7.7	7.28	137.3	449	2.15	0.19	0.63	0.12	12.1
33659	Core	0.055	<0.1	0.04	24.84	1.7	11.9	2.65	104.2	92	0.61	0.07	0.93	0.05	5.4
33660	Core	0.029	<0.1	0.07	45.32	2.7	23.6	7.32	51.2	463	2.08	0.21	0.38	0.10	13.1
33661	Core	0.238	<0.1	0.04	15.46	0.8	7.8	1.69	135.2	76	0.42	0.07	0.76	0.09	4.1
33662	Core	0.034	<0.1	<0.01	35.06	1.9	16.4	4.16	53.2	255	1.28	0.11	0.61	0.05	6.0
33663	Core	0.016	<0.1	<0.01	28.58	2.3	14.0	5.30	29.8	308	1.31	0.14	0.46	0.08	10.8
33664	Core	0.005	0.3	0.28	57.19	3.2	34.0	>10	38.3	929	3.85	0.36	0.20	0.16	17.5

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A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05459-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-341

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33665	Core	<0.005	<0.1	0.06	54.76	2.8	29.2	>10	38.3	935	4.12	0.42	0.22	0.15	18.4
33666	Core	0.195	<0.1	0.17	17.65	1.3	8.7	3.70	60.1	202	0.95	0.18	0.97	0.09	7.7
33667	Core	0.055	<0.1	0.03	26.52	1.7	13.4	4.21	100.2	166	0.90	0.12	1.17	0.16	10.0
33668	Core	0.051	<0.1	<0.01	20.64	1.6	10.3	4.66	28.9	266	0.98	0.16	0.55	0.06	7.9
33669	Core	<0.005	<0.1	0.03	42.47	3.2	22.8	9.45	29.5	653	2.65	0.25	0.39	0.13	16.9
33670	Core	<0.005	<0.1	0.02	45.01	2.8	24.3	8.22	26.1	563	2.05	0.21	0.36	0.09	14.0
33671	Core	<0.005	<0.1	0.03	39.97	2.5	19.7	6.79	24.7	449	2.09	0.25	0.47	0.12	12.1
33672	Pulp	1.434	0.5	0.98	19.08	1.5	9.2	6.17	22.2	493	0.89	0.15	2.31	0.27	15.0
33673	Core	0.008	<0.1	0.53	35.77	2.4	19.3	7.97	32.9	563	2.44	0.20	0.49	0.10	13.6
33674	Core	<0.005	<0.1	<0.01	20.39	1.1	9.7	2.70	19.5	91	0.81	0.09	0.54	0.05	7.5
33675	Core	0.010	<0.1	0.05	31.87	2.6	18.0	>10	39.1	846	3.81	0.41	0.11	0.16	22.1
33676	Core	<0.005	<0.1	0.06	37.82	3.2	19.7	>10	29.8	658	3.14	0.37	0.21	0.10	17.3
33677	Core	<0.005	<0.1	0.05	41.01	3.0	21.9	9.01	32.4	611	2.59	0.30	0.27	0.11	17.6
33678	Core	<0.005	<0.1	0.09	54.45	4.4	29.2	>10	49.1	1083	4.50	0.48	0.19	0.14	24.4

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12-360-05459-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33625	Core	158	9.32	32.7	2.81	26.60	1.59	0.07	4.46	18.1	0.50	319	0.68	0.23	3.6
33626	Core	209	3.67	25.9	2.05	8.76	1.39	0.02	1.18	15.0	0.30	391	0.59	0.07	1.6
33627	Core	197	3.33	16.8	1.95	6.59	1.44	0.01	0.90	35.8	0.24	376	0.51	0.06	1.3
33628	Core	183	4.62	23.0	2.49	7.84	1.46	0.02	1.06	28.3	0.35	442	0.56	0.05	1.3
33629	Core	137	11.83	28.5	4.05	18.23	1.72	0.05	3.07	108.4	0.75	746	0.53	0.15	2.9
33630	Core	188	13.82	23.5	3.40	12.11	1.64	0.04	1.75	185.6	0.54	958	0.69	0.11	1.9
33631	Core	184	5.55	6.4	1.96	10.05	1.79	0.02	1.74	57.2	0.28	267	0.54	0.13	1.8
33632	Core	167	7.73	11.3	2.84	11.19	1.15	0.02	1.70	96.6	0.46	793	0.53	0.14	1.7
33633	Core	153	12.44	14.9	1.73	7.95	1.65	0.02	1.15	195.1	0.25	365	0.51	0.07	1.2
33634	Core	164	7.70	18.8	3.14	9.26	1.24	0.02	1.51	94.3	0.51	600	0.50	0.08	1.7
33635	Core	154	20.95	53.0	4.63	23.81	1.65	0.06	4.16	169.3	1.00	459	0.59	0.19	3.4
33636	Core	120	23.15	54.1	4.13	24.98	1.72	0.06	4.17	51.3	0.87	492	0.79	0.23	3.4
33637	Pulp	6	0.42	0.9	0.42	0.30	<0.05	0.01	0.07	0.9	>10	189	0.07	0.01	0.2
33638	Core	110	12.13	26.3	2.84	11.78	1.45	0.03	2.05	60.1	0.67	468	0.42	0.10	2.2
33639	Core	120	11.84	26.7	2.97	12.77	1.31	0.03	2.29	52.7	0.70	526	0.44	0.10	2.1
33640	Core	137	8.73	15.0	2.29	10.75	1.47	0.03	1.88	20.3	0.58	747	0.45	0.08	1.4
33641	Core	138	5.11	13.9	1.59	8.21	1.40	0.02	1.12	24.4	0.33	479	0.54	0.06	1.4
33642	Core	135	3.34	12.6	2.39	6.37	1.52	0.02	0.76	22.1	0.45	571	0.51	0.04	0.9
33643	Core	112	13.33	52.7	4.76	29.88	1.66	0.07	5.25	35.3	1.04	483	0.53	0.30	4.6
33644	Core	121	11.88	41.7	4.45	23.18	1.61	0.06	4.14	29.4	0.89	551	0.60	0.22	4.9
33645	Core	136	8.00	32.9	3.02	20.96	2.10	0.06	3.23	22.7	0.47	390	0.63	0.12	2.9
33646	Core	132	11.02	52.1	5.21	27.15	1.99	0.07	5.14	27.4	1.06	515	0.59	0.18	3.3
33647	Core	136	11.41	38.9	5.07	26.95	1.86	0.07	5.22	62.6	1.09	443	0.58	0.23	4.0
33648	Core	122	13.28	45.6	5.13	25.07	1.59	0.06	5.14	82.9	1.04	426	0.52	0.23	4.2
33649	Core	114	20.36	48.0	5.02	23.54	1.46	0.07	4.51	90.2	1.03	403	0.59	0.29	3.5
33650	Core	140	25.70	33.7	3.76	21.36	1.78	0.06	3.46	91.3	0.66	431	0.57	0.25	2.8
33651	Core	105	29.84	76.5	4.57	24.15	1.64	0.07	3.39	87.5	0.79	543	0.69	0.23	4.0
33652	Core	170	13.94	41.3	3.91	17.18	1.62	0.05	3.15	60.5	0.79	597	0.67	0.21	3.3
33653	Core	116	10.87	43.3	4.12	22.29	1.60	0.06	4.12	92.7	0.88	403	0.54	0.29	4.8
33654	Core	95	12.42	54.2	4.98	28.80	1.67	0.08	5.26	56.7	0.80	483	0.46	0.37	4.9
33655	Core	133	1.95	12.1	2.92	6.00	1.28	0.02	0.74	33.8	0.22	904	0.41	0.04	1.1
33656	Core	154	1.58	10.4	2.21	4.93	1.04	0.01	0.46	22.6	0.30	743	0.43	0.04	0.9
33657	Core	143	6.28	38.8	3.43	20.18	1.60	0.05	3.01	31.9	0.62	582	0.55	0.31	2.9
33658	Core	166	5.38	29.0	2.92	16.49	1.60	0.04	2.43	23.1	0.68	741	0.60	0.39	2.3
33659	Core	162	1.65	7.0	1.56	5.05	1.18	0.02	0.51	41.9	0.45	767	0.47	0.65	0.9
33660	Core	147	5.83	29.6	2.78	16.08	1.38	0.04	2.27	19.1	0.62	483	0.49	0.21	3.0
33661	Core	149	1.33	12.4	1.32	4.02	1.31	0.02	0.37	5.0	0.35	665	0.45	0.07	0.7
33662	Core	111	3.27	11.4	1.41	9.61	1.16	0.02	1.24	12.0	0.36	640	0.37	0.11	1.5
33663	Core	149	3.18	14.4	2.45	12.13	1.38	0.03	1.47	15.8	0.46	646	0.49	0.11	1.7
33664	Core	108	8.86	51.4	4.95	28.63	1.67	0.07	4.03	64.4	0.88	414	0.49	0.38	4.3

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12-360-05459-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33665	Core	117	8.44	53.9	4.18	27.93	1.69	0.07	4.09	66.4	0.75	298	0.49	0.38	3.5
33666	Core	157	2.37	16.8	2.30	7.98	1.47	0.02	1.03	12.5	0.62	677	0.47	0.21	1.0
33667	Core	115	2.06	20.4	2.60	8.56	1.33	0.02	0.90	15.1	0.61	1116	0.35	0.67	1.0
33668	Core	146	3.28	20.4	2.54	10.18	0.09	0.02	1.36	35.4	0.62	451	0.40	0.46	1.4
33669	Core	133	6.52	36.1	4.15	21.86	1.54	0.05	2.94	44.1	1.07	498	0.47	0.29	2.7
33670	Core	128	5.44	30.3	3.41	20.30	1.57	0.05	2.41	39.0	0.77	467	0.43	0.30	3.0
33671	Core	118	4.72	28.3	3.11	16.99	1.51	0.04	1.95	35.3	0.74	578	0.38	0.24	2.7
33672	Pulp	61	1.08	47.1	3.98	13.03	1.46	0.06	1.09	16.8	1.25	664	10.39	2.21	4.6
33673	Core	159	5.63	35.0	3.10	19.21	1.54	0.05	2.46	48.0	0.70	542	0.50	0.33	2.6
33674	Core	125	1.26	16.6	3.44	5.89	1.33	0.02	0.42	44.9	0.83	453	0.39	0.05	1.0
33675	Core	112	8.03	47.2	4.19	26.57	1.67	0.07	3.72	65.3	0.81	285	0.53	0.35	2.9
33676	Core	115	6.09	56.3	4.42	23.50	1.60	0.07	3.31	66.1	0.89	455	0.44	0.31	2.9
33677	Core	120	6.11	47.0	4.28	21.78	1.52	0.05	2.85	62.7	0.89	542	0.46	0.24	3.4
33678	Core	144	8.90	66.6	3.94	33.26	1.59	0.08	4.70	79.6	0.61	386	0.52	0.42	4.9

Vol 2-343

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#220 17010 103rd Ave
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Vol 2-344

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33625	Core	31.8	97	13.7	<0.002	2.06	16.1	0.528	<1.0	228.2	2.9	58.9	0.52	<0.05	17.2
33626	Core	17.2	59	11.9	<0.002	0.83	6.1	0.216	<1.0	61.5	0.9	21.5	0.12	<0.05	8.9
33627	Core	14.7	<10	8.7	<0.002	0.77	4.2	0.177	<1.0	43.7	0.7	15.4	0.10	<0.05	7.0
33628	Core	20.7	62	12.3	<0.002	0.95	4.2	0.296	<1.0	55.0	0.7	15.4	0.09	<0.05	6.1
33629	Core	37.8	576	17.0	<0.002	2.78	11.8	0.450	<1.0	155.6	1.7	57.5	0.24	<0.05	13.0
33630	Core	36.5	78	22.2	<0.002	3.50	8.7	1.187	<1.0	87.9	2.2	54.0	0.16	<0.05	9.7
33631	Core	13.9	79	30.7	<0.002	4.29	6.2	0.578	<1.0	83.5	3.6	38.6	0.13	<0.05	7.4
33632	Core	21.2	228	6.1	<0.002	0.75	7.2	0.122	<1.0	81.2	1.0	32.0	0.16	<0.05	9.6
33633	Core	15.5	132	26.7	<0.002	1.09	4.5	0.620	<1.0	59.0	1.0	34.1	0.10	<0.05	8.2
33634	Core	21.3	88	10.5	<0.002	1.11	5.7	0.494	<1.0	68.7	1.2	25.6	0.13	<0.05	8.8
33635	Core	45.3	355	16.9	<0.002	3.11	16.8	0.336	<1.0	227.9	2.2	70.9	0.28	<0.05	13.4
33636	Core	45.6	64	19.2	<0.002	6.12	16.7	1.242	<1.0	224.5	2.3	102.8	0.29	<0.05	16.0
33637	Pulp	8.4	<10	2.8	<0.002	<0.05	0.3	0.011	<1.0	1.4	<0.2	42.4	0.08	<0.05	<0.2
33638	Core	27.5	37	6.2	<0.002	1.02	7.6	0.098	<1.0	111.8	1.1	45.3	0.17	<0.05	10.7
33639	Core	29.3	58	5.9	<0.002	1.08	8.1	0.110	<1.0	123.7	1.1	47.1	0.16	<0.05	10.0
33640	Core	17.4	11	19.5	<0.002	1.75	5.7	0.183	<1.0	88.4	0.9	73.9	0.12	<0.05	9.0
33641	Core	13.9	209	18.1	<0.002	2.08	5.0	0.231	<1.0	53.0	0.8	62.2	0.10	<0.05	7.7
33642	Core	15.0	<10	11.4	0.002	2.06	3.6	0.330	<1.0	35.6	0.5	54.4	0.07	<0.05	6.1
33643	Core	47.6	319	27.4	<0.002	3.14	20.3	0.431	<1.0	256.4	2.6	113.7	0.31	<0.05	16.6
33644	Core	39.6	200	19.1	<0.002	3.17	16.0	0.287	<1.0	204.5	2.4	73.8	0.34	<0.05	15.5
33645	Core	32.3	133	19.1	<0.002	5.15	13.5	0.849	<1.0	172.2	1.9	38.2	0.20	<0.05	12.8
33646	Core	43.7	195	26.0	<0.002	4.31	17.3	0.753	<1.0	241.9	2.6	55.5	0.26	<0.05	17.4
33647	Core	45.8	253	20.0	<0.002	3.18	19.1	0.347	<1.0	243.4	2.8	79.1	0.27	<0.05	17.0
33648	Core	43.8	653	22.4	<0.002	2.70	18.9	0.289	<1.0	230.3	2.4	66.6	0.29	<0.05	16.8
33649	Core	43.1	342	26.0	<0.002	1.94	17.7	0.390	<1.0	197.5	2.4	70.2	0.29	<0.05	16.6
33650	Core	36.6	408	27.9	<0.002	5.58	15.1	0.714	<1.0	166.2	2.0	101.4	0.22	<0.05	16.9
33651	Core	41.3	303	34.2	<0.002	4.78	16.0	0.738	<1.0	147.4	4.9	206.1	0.28	<0.05	16.7
33652	Core	34.7	195	23.2	<0.002	2.28	13.4	0.187	<1.0	158.3	2.4	80.8	0.24	<0.05	14.0
33653	Core	41.8	245	47.3	<0.002	1.65	16.9	0.143	<1.0	189.7	2.1	83.7	0.33	<0.05	14.6
33654	Core	49.0	307	17.4	<0.002	1.98	22.4	0.106	<1.0	234.9	2.7	100.0	0.38	<0.05	19.4
33655	Core	16.2	63	12.4	<0.002	0.90	3.7	0.061	<1.0	29.2	0.5	17.3	0.09	<0.05	7.8
33656	Core	12.6	40	9.7	<0.002	0.55	3.0	0.018	<1.0	21.6	0.6	18.4	0.06	<0.05	6.7
33657	Core	34.9	86	13.6	<0.002	1.86	14.8	0.196	<1.0	152.8	1.8	99.8	0.21	<0.05	15.6
33658	Core	34.9	42	16.4	<0.002	1.52	10.2	0.270	<1.0	111.4	1.8	86.4	0.16	<0.05	12.7
33659	Core	10.9	33	14.6	<0.002	0.63	3.7	0.094	<1.0	25.5	0.5	86.2	0.11	<0.05	6.7
33660	Core	29.5	126	11.0	<0.002	1.02	11.7	0.113	<1.0	110.6	1.5	61.4	0.35	<0.05	12.1
33661	Core	10.9	<10	18.5	<0.002	0.57	2.6	0.043	<1.0	21.3	0.4	40.9	0.05	<0.05	3.4
33662	Core	12.2	65	9.0	<0.002	0.61	5.8	0.051	<1.0	62.9	0.8	52.1	0.12	<0.05	8.4
33663	Core	21.8	57	13.1	<0.002	0.73	7.7	0.131	<1.0	74.5	1.0	42.9	0.15	<0.05	10.2
33664	Core	51.5	301	15.7	<0.002	1.25	21.9	0.091	<1.0	219.8	2.6	124.1	0.34	<0.05	16.6

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Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33665	Core	45.6	499	20.3	<0.002	1.31	21.7	0.098	<1.0	205.3	2.3	129.8	0.28	<0.05	16.3
33666	Core	20.5	153	56.5	<0.002	0.93	6.0	0.352	<1.0	51.3	0.7	86.8	0.07	<0.05	6.2
33667	Core	22.2	241	18.8	<0.002	0.90	6.6	0.671	<1.0	40.2	0.7	107.3	0.09	<0.05	7.7
33668	Core	20.9	55	10.7	<0.002	0.83	7.1	0.190	<1.0	62.6	0.8	70.9	0.10	<0.05	7.1
33669	Core	39.3	68	13.9	<0.002	1.24	15.7	0.108	<1.0	145.4	1.8	106.5	0.21	<0.05	13.4
33670	Core	37.9	125	11.3	<0.002	0.83	13.6	0.064	<1.0	123.1	1.6	80.5	0.22	<0.05	13.2
33671	Core	31.2	59	43.6	<0.002	0.77	12.4	0.051	<1.0	102.7	1.4	76.5	0.19	<0.05	10.9
33672	Pulp	46.7	502	9.4	0.003	2.25	20.5	0.034	<1.0	25.0	1.9	295.9	0.25	<0.05	1.7
33673	Core	30.4	182	16.5	<0.002	0.93	14.2	0.088	<1.0	126.8	1.6	101.6	0.22	<0.05	12.7
33674	Core	33.9	48	17.0	<0.002	0.83	3.9	0.091	<1.0	20.9	0.4	33.0	0.07	<0.05	5.9
33675	Core	46.1	124	20.4	<0.002	3.72	20.8	0.399	<1.0	201.9	2.4	117.1	0.22	<0.05	14.2
33676	Core	39.3	385	19.8	<0.002	1.78	15.4	0.186	<1.0	131.9	2.1	91.7	0.25	<0.05	11.3
33677	Core	44.6	156	13.7	<0.002	1.32	15.8	0.103	<1.0	136.0	1.7	84.6	0.24	<0.05	13.8
33678	Core	52.3	365	11.9	<0.002	2.32	24.5	0.160	<1.0	249.8	2.9	133.2	0.40	<0.05	21.5

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-346

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33625	Core	0.134	1.29	4.2	92	3.9	7.8	101	136.9
33626	Core	0.028	0.39	1.8	30	1.9	4.4	46	54.2
33627	Core	0.021	0.29	1.3	23	2.1	3.1	55	52.6
33628	Core	0.022	0.36	2.0	21	2.8	3.0	66	49.3
33629	Core	0.056	0.97	3.7	57	7.1	7.4	97	93.9
33630	Core	0.052	0.66	3.2	38	6.7	4.5	95	60.6
33631	Core	0.048	0.56	1.7	35	2.0	3.5	24	57.2
33632	Core	0.037	0.54	2.0	36	1.9	5.6	50	73.3
33633	Core	0.025	0.37	1.6	25	2.9	4.1	47	67.2
33634	Core	0.035	0.46	1.8	30	3.1	4.1	60	67.7
33635	Core	0.173	1.38	4.0	73	5.9	6.7	104	92.8
33636	Core	0.155	1.54	4.5	79	6.3	7.0	112	104.0
33637	Pulp	<0.005	<0.02	0.7	3	0.2	0.9	16	0.5
33638	Core	0.038	0.72	2.1	35	3.3	5.9	64	75.6
33639	Core	0.041	0.72	2.0	38	3.9	5.0	69	78.5
33640	Core	0.038	0.53	1.7	34	3.7	4.9	45	69.0
33641	Core	0.025	0.33	1.8	25	3.7	4.9	35	71.2
33642	Core	0.017	0.18	1.1	19	2.7	3.5	40	50.3
33643	Core	0.157	1.43	4.8	90	8.1	8.1	116	99.9
33644	Core	0.120	1.24	3.8	72	8.0	8.0	97	111.3
33645	Core	0.064	0.98	3.1	57	7.9	6.7	76	81.7
33646	Core	0.099	1.36	4.3	85	8.4	9.1	130	119.9
33647	Core	0.151	1.44	4.5	86	6.9	9.0	114	119.2
33648	Core	0.123	1.35	4.6	83	8.2	8.4	119	101.7
33649	Core	0.165	1.25	4.9	80	5.9	8.0	109	102.2
33650	Core	0.078	1.03	6.7	67	9.8	8.2	90	103.8
33651	Core	0.071	0.98	4.2	75	13.9	7.9	123	92.5
33652	Core	0.057	0.89	3.9	55	5.2	6.7	85	87.2
33653	Core	0.093	1.04	4.6	71	2.9	6.2	107	91.4
33654	Core	0.106	1.41	5.3	93	3.7	8.5	116	130.4
33655	Core	0.023	0.20	1.4	19	2.6	4.5	49	57.2
33656	Core	0.018	0.14	1.1	17	1.5	3.6	35	44.9
33657	Core	0.060	0.94	4.1	64	2.5	6.8	78	103.1
33658	Core	0.042	0.72	2.8	55	1.9	5.9	72	89.7
33659	Core	0.016	0.16	1.4	16	1.4	4.1	22	51.3
33660	Core	0.061	0.70	3.0	55	1.9	7.1	69	86.6
33661	Core	0.011	0.13	0.7	11	1.0	2.5	49	27.6
33662	Core	0.028	0.38	1.8	30	1.1	4.9	27	70.3
33663	Core	0.033	0.46	2.4	40	1.4	5.4	52	77.6
33664	Core	0.074	1.25	4.7	92	5.2	7.4	125	109.8

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05459-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33665	Core	0.105	1.27	4.7	93	2.2	7.9	117	94.6
33666	Core	0.021	0.33	1.8	27	1.9	3.6	45	42.7
33667	Core	0.018	0.29	2.5	28	2.2	4.7	74	50.3
33668	Core	0.035	0.37	1.6	36	2.0	4.0	55	55.2
33669	Core	0.104	0.89	3.7	77	1.3	6.3	107	103.1
33670	Core	0.070	0.76	3.3	67	1.4	6.3	92	94.2
33671	Core	0.055	0.60	2.7	55	1.1	6.3	87	82.7
33672	Pulp	0.285	0.23	0.8	121	1.0	15.6	71	58.7
33673	Core	0.072	0.79	2.9	64	1.9	5.4	79	84.0
33674	Core	0.020	0.14	1.2	18	0.7	3.5	74	37.6
33675	Core	0.130	1.15	3.8	88	1.8	6.1	113	91.7
33676	Core	0.100	1.02	3.7	91	1.9	5.5	112	104.5
33677	Core	0.075	0.85	3.6	79	2.3	7.3	114	105.7
33678	Core	0.174	1.64	6.4	120	4.2	10.7	107	149.9

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Certificate of Analysis

12-360-05459-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-348

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33625	Core			0.14	26.01	4.0	12.6	>10	78.7	876	3.82	0.16	0.08	0.26	13.3
33625 Dup				0.09	23.25	4.1	11.4	>10	73.1	866	3.54	0.18	0.08	0.25	12.0
QCV1208-00903-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.78	87.02	3.7	42.5	7.70			2.76	2.55	0.47	0.39	15.2
33643	Core			0.15	42.97	3.1	22.2	>10	876.0	811	4.75	0.39	0.17	0.17	17.9
33643 Dup				0.18	45.56	3.1	25.1	>10	843.6	802	4.47	0.38	0.16	0.17	16.5
QCV1208-00903-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0						9.5
STD-DS-1 result				0.51				4.05	6601.1						9.7
33661	Core			0.04	15.46	0.8	7.8	1.69	135.2	76	0.42	0.07	0.76	0.09	4.1
33661 Dup				0.05	15.11	0.8	7.3	1.77	126.4	80	0.42	0.06	0.76	0.09	3.9
QCV1208-00903-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70											16.3
STD-OREAS92-4A result				0.69		3.9	40.0	7.58		464				0.39	17.2
QCV1208-00903-0010-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0						9.5
STD-DS-1 result				0.48				4.10	7186.1						11.5
33625	Core	0.021													
33625 Dup		0.019													
QCV1208-00904-0002-BLK		<0.005													
33651	Core	0.761													
33651 Dup		0.741													
STD-OxE101 expected		0.607													
STD-OxE101 result		0.580													
QCV1208-00904-0005-BLK		0.007													
33677	Core	<0.005													
33677 Dup		<0.005													
STD-OxG84 expected		0.922													
STD-OxG84 result		0.945													
QCV1208-00904-0008-BLK		<0.005													
STD-OxE101 expected		0.607													
STD-OxE101 result		0.582													
33625	Core		<0.1												
33625 Dup			<0.1												
QCV1208-00943-0002-BLK			<0.1												
STD-Oreas501 expected			0.7												
STD-Oreas501 result			0.7												
33643	Core		<0.1												
33643 Dup			<0.1												

INSPECTORATE
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Certificate of Analysis

12-360-05459-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
QCV1208-00943-0005-BLK			<0.1												
STD-OREAS92-2A expected			0.7												
STD-OREAS92-2A result			0.6												
33661	Core		<0.1												
33661 Dup			<0.1												
QCV1208-00943-0008-BLK			<0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			0.2												
QCV1208-00943-0010-BLK			<0.1												
STD-OREAS 902-AR expected			0.3												
STD-OREAS 902-AR result			0.2												

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12-360-05459-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-350

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33625	Core	158	9.32	32.7	2.81	26.60	1.59	0.07	4.46	18.1	0.50	319	0.68	0.23	3.6
33625 Dup		151	8.88	32.6	2.97	25.75	1.44	0.06	4.25	18.1	0.50	314	0.60	0.24	3.3
QCV1208-00903-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			6.93	2178.5	4.01	17.15		0.33	3.08	27.8	1.43		0.41	0.51	14.5
33643	Core	112	13.33	52.7	4.76	29.88	1.66	0.07	5.25	35.3	1.04	483	0.53	0.30	4.6
33643 Dup		112	12.80	52.4	4.81	29.24	1.73	0.07	5.19	37.1	1.04	479	0.51	0.31	5.0
QCV1208-00903-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				26.8							2.52	413			
33661	Core	149	1.33	12.4	1.32	4.02	1.31	0.02	0.37	5.0	0.35	665	0.45	0.07	0.7
33661 Dup		141	1.24	13.0	1.30	3.61	1.23	0.01	0.38	4.6	0.37	672	0.39	0.06	0.6
QCV1208-00903-0008-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			6.63	2459.4	4.13	17.74		0.32	2.88	27.5	1.42		0.39	0.51	13.7
QCV1208-00903-0010-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				27.9							2.52	407			

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12-360-05459-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-351

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33625	Core	31.8	97	13.7	<0.002	2.06	16.1	0.528	<1.0	228.2	2.9	58.9	0.52	<0.05	17.2
33625 Dup		31.6	81	13.1	<0.002	1.90	17.0	0.515	<1.0	218.5	2.7	55.3	0.40	<0.05	18.8
QCV1208-00903-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected				9.8		1.16					10.6				
STD-OREAS92-4A result		35.9		11.1		1.10	13.9			202.6	10.3	32.1	0.97		17.2
33643	Core	47.6	319	27.4	<0.002	3.14	20.3	0.431	<1.0	256.4	2.6	113.7	0.31	<0.05	16.6
33643 Dup		46.0	295	27.2	<0.002	3.11	19.7	0.424	<1.0	262.1	2.7	112.7	0.39	<0.05	18.2
QCV1208-00903-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7		13.8											
STD-DS-1 result		45.9		14.3											
33661	Core	10.9	<10	18.5	<0.002	0.57	2.6	0.043	<1.0	21.3	0.4	40.9	0.05	<0.05	3.4
33661 Dup		10.9	43	17.2	<0.002	0.54	2.6	0.042	<1.0	20.3	0.3	38.3	<0.05	<0.05	3.6
QCV1208-00903-0008-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected				9.8		1.16					10.6				
STD-OREAS92-4A result		38.7		10.8		1.06				191.3	9.5	33.5	1.03		15.8
QCV1208-00903-0010-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7		13.8											
STD-DS-1 result		53.0		12.5											

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12-360-05459-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-352

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33625	Core	0.134	1.29	4.2	92	3.9	7.8	101	136.9
33625 Dup		0.135	1.32	4.4	90	3.9	7.1	94	133.1
QCV1208-00903-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result				3.6		2.5	26.9	84	129.4
33643	Core	0.157	1.43	4.8	90	8.1	8.1	116	99.9
33643 Dup		0.130	1.39	4.9	89	8.4	8.3	114	99.6
QCV1208-00903-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			19.52					206	
33661	Core	0.011	0.13	0.7	11	1.0	2.5	49	27.6
33661 Dup		0.012	0.13	0.8	11	1.4	2.4	54	28.6
QCV1208-00903-0008-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result			1.00	3.2		2.8	26.3	96	127.9
QCV1208-00903-0010-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			20.13					190	

Certificate of Analysis

12-360-05459-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Melanie Debnam
EMail: Mdebnam@firestoneventures.com

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Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-016**
Client Reference: **Core-12-016**
Description: **3 ACE**

Date Received: 10/11/2012
Date Completed: 10/19/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	32	Core	

Location	Quantity	Method	Description
Vancouver, BC	32	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-353

INSPECTORATE
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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05459-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-354

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33628	Core	0.05	0.06	0.05	0.04	498.62	9.40	508.01
33629	Core	0.45	0.42	0.45	1.25	506.98	5.97	512.95
33630	Core	0.45	0.45	0.46	0.44	462.47	16.06	478.53
33631	Core	0.19	0.20	0.18	0.18	486.73	8.07	494.80
33632	Core	0.01	0.01	<0.01	0.02	468.80	6.38	475.18
33633	Core	0.11	0.11	0.12	0.06	485.26	10.90	496.16
33634	Core	0.05	0.06	0.05	0.05	497.39	15.50	512.89
33635	Core	0.64	0.64	0.66	0.38	483.70	13.18	496.88
33636	Core	0.77	0.77	0.79	0.66	502.68	10.80	513.48
33639	Core	0.05	0.05	0.05	0.06	486.03	10.18	496.21
33640	Core	0.28	0.27	0.30	0.27	494.43	10.33	504.76
33641	Core	0.14	0.14	0.14	0.14	475.54	10.36	485.89
33642	Core	0.76	0.72	0.83	0.41	489.13	20.33	509.46
33643	Core	0.54	0.52	0.45	1.55	483.58	22.75	506.33
33644	Core	0.24	0.27	0.21	0.24	507.03	8.88	515.91
33645	Core	1.68	1.70	1.67	1.59	507.06	12.17	519.23
33646	Core	0.67	0.63	0.63	1.70	495.69	18.72	514.41
33647	Core	0.29	0.29	0.28	0.87	498.02	6.27	504.29
33648	Core	0.15	0.15	0.15	0.15	484.80	8.44	493.24
33649	Core	0.07	0.07	0.07	0.08	508.59	5.53	514.12
33650	Core	0.93	0.87	0.96	2.06	495.90	9.45	505.35
33651	Core	0.81	0.84	0.78	0.71	486.25	17.38	503.63
33652	Core	0.15	0.16	0.13	0.10	499.57	8.26	507.83
33653	Core	0.01	0.02	0.01	0.05	500.60	5.24	505.84
33654	Core	<0.01	<0.01	<0.01	<0.01	498.58	16.58	515.16
33655	Core	0.08	0.08	0.08	0.07	486.38	11.29	497.67
33656	Core	<0.01	<0.01	<0.01	<0.01	506.35	8.11	514.46
33657	Core	0.08	0.08	0.08	0.22	488.06	23.63	511.69
33658	Core	0.10	0.10	0.10	0.08	502.06	5.87	507.93
33659	Core	0.08	0.07	0.08	0.05	490.79	6.48	497.27
33660	Core	0.02	0.02	0.02	0.02	502.80	8.39	511.19
33661	Core	0.09	0.09	0.09	0.08	472.14	24.96	497.10

INSPECTORATE
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Certificate of Analysis

12-360-05459-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
QCV1210-00956-0001-BLK		<0.01						29.17
QCV1210-00956-0002-BLK		<0.01						29.17
STD-OxA89 expected		0.08						
STD-OxA89 result		0.08						
QCV1210-00956-0004-BLK		<0.01						29.17

Vol 2-355

Certificate of Analysis

12-360-05474-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
EMail: cbuchanan@northern-tiger.com

Attention: Dennis Ouellette
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Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-012**
Client Reference: **Core-12-012**
Description: **3 ACE**

Date Received: 08/07/2012
Date Completed: 08/15/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	59	Core	
Whitehorse, YT	2	Pulp	

Location	Quantity	Method	Description
Vancouver, BC	1	Au-1AT-GV	Au, 1AT, Gravimetric
Vancouver, BC	61	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	61	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	61	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-356

INSPECTORATE
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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-357

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
32048	Core		0.049	<0.1	<0.01	18.68	1.6	9.1	2.03	961.0	96	0.83	0.04	0.04	<0.02
32049	Core		0.424	<0.1	0.40	13.23	0.6	6.4	1.03	7823.3	41	0.27	0.05	0.04	<0.02
32050	Core		0.033	<0.1	<0.01	18.16	1.6	9.6	2.91	2286.8	129	0.87	0.05	0.06	<0.02
32051	Core		0.024	<0.1	<0.01	18.63	1.1	9.1	2.44	870.0	116	0.79	0.05	0.04	<0.02
32052	Pulp	20.031	>10	4.2	4.30	17.67	1.0	7.5	3.14	>10000	222	0.82	6.02	2.27	1.60
32053	Core		0.010	<0.1	<0.01	16.29	1.2	7.9	2.45	1042.8	106	0.92	0.05	0.07	<0.02
32054	Core		0.029	<0.1	<0.01	15.49	0.7	7.2	2.05	169.9	74	0.49	0.10	0.14	<0.02
32055	Core		0.009	<0.1	<0.01	17.31	0.8	8.0	2.13	115.1	71	0.55	0.13	0.17	<0.02
32056	Core		0.165	0.9	0.80	25.67	2.0	12.6	6.14	54.6	332	2.20	0.18	0.16	0.04
32057	Core		1.031	<0.1	<0.01	50.31	3.9	25.6	>10	58.4	717	4.26	0.40	0.22	0.12
32058	Core		0.007	<0.1	<0.01	53.80	3.0	26.2	9.74	45.4	492	3.19	0.28	0.12	0.04
32059	Core		<0.005	<0.1	<0.01	43.99	1.8	21.1	4.76	15.8	195	1.17	0.11	0.08	<0.02
33428	Core		0.036	<0.1	<0.01	39.45	2.7	18.7	>10	101.9	948	3.67	0.42	0.50	2.51
33429	Core		0.028	0.1	0.10	25.76	2.7	11.2	>10	119.6	987	3.77	0.63	0.51	1.78
33430	Core		1.420	8.0	7.60	69.09	2.7	36.0	>10	447.9	739	3.98	13.67	0.04	2.50
33431	Core		0.237	0.4	0.40	37.03	2.0	18.4	4.11	629.9	190	1.30	0.34	0.03	4.74
33432	Core		1.846	0.2	<0.01	8.94	0.5	4.2	0.70	1868.6	36	0.23	0.29	0.02	1.36
33433	Core		0.163	<0.1	<0.01	6.27	0.4	3.3	0.83	2674.2	48	0.26	0.16	0.01	0.53
33434	Core		0.096	0.2	<0.01	12.05	0.9	6.2	1.88	916.4	89	0.52	0.36	0.02	1.75
33435	Core		0.010	<0.1	<0.01	46.51	3.4	22.6	>10	122.8	952	4.66	0.33	0.17	0.67
33436	Core		0.036	<0.1	<0.01	62.11	2.6	33.4	>10	82.3	731	3.92	0.22	0.23	0.07
33437	Core		1.582	<0.1	<0.01	38.64	1.9	19.3	6.66	870.9	452	2.60	0.16	0.12	0.35
33438	Core		0.015	<0.1	<0.01	11.07	0.6	4.8	2.33	180.0	95	0.67	0.06	0.03	0.54
33439	Core		0.099	<0.1	<0.01	18.48	0.9	8.4	2.42	477.3	94	0.70	0.04	0.03	0.85
33440	Core		0.037	0.4	0.20	12.69	0.7	5.9	2.03	752.6	68	0.64	0.08	0.02	0.63
33441	Pulp		1.405	0.2	0.20	21.50	1.3	10.2	7.62	19.6	514	1.07	0.16	2.69	0.18
33442	Core		0.042	0.3	<0.01	10.74	0.5	5.3	1.66	578.6	58	0.51	0.09	0.04	0.70
33443	Core		0.149	0.4	0.10	21.48	1.3	9.4	2.65	4077.5	103	0.83	0.15	0.02	0.74
33444	Core		0.210	0.6	0.40	18.59	1.2	8.4	2.49	1433.9	125	0.73	1.28	0.03	0.60
33445	Core		0.017	0.3	0.10	21.01	1.5	9.2	3.34	81.3	168	1.05	0.57	0.02	1.12
33446	Core		0.020	0.2	<0.01	20.17	1.1	8.8	2.12	161.3	107	0.91	0.36	0.02	1.27
33447	Core		0.078	<0.1	<0.01	33.61	1.7	16.4	2.78	227.3	95	0.85	0.08	0.05	0.91
33448	Core		0.138	<0.1	<0.01	24.02	1.5	11.9	2.74	355.2	113	0.85	0.07	0.03	0.69
33449	Core		0.073	<0.1	<0.01	22.51	1.3	10.3	2.88	272.1	120	0.99	0.05	0.07	0.40
33450	Core		0.041	0.4	0.50	24.30	1.9	11.7	2.46	913.5	80	0.60	0.55	0.06	2.88
33451	Core		0.012	<0.1	<0.01	19.52	1.2	9.2	2.30	57.9	76	0.44	0.05	0.35	0.14
33452	Core		0.631	<0.1	0.20	18.41	1.1	8.4	2.46	928.0	77	0.58	0.04	0.05	2.30
33453	Core		0.024	<0.1	<0.01	19.38	1.1	9.6	2.54	285.9	71	0.57	0.04	0.04	0.11
33454	Core		0.016	<0.1	<0.01	16.97	0.9	7.3	2.33	704.5	77	0.70	0.03	0.04	0.06
33455	Core		0.044	<0.1	<0.01	13.07	1.1	6.3	3.09	1338.8	88	0.95	0.03	0.05	0.06

INSPECTORATE
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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-358

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
33456	Core		3.037	<0.1	<0.01	22.07	2.3	10.2	4.22	7548.1	192	1.65	0.06	0.02	0.04
33457	Core		0.907	<0.1	<0.01	17.15	1.3	7.7	2.85	4468.7	106	1.00	0.04	0.04	0.04
33458	Core		0.140	<0.1	<0.01	17.49	1.3	8.0	3.35	1750.9	113	0.88	0.04	0.04	0.07
33459	Core		<0.005	<0.1	<0.01	1.02	<0.1	0.9	0.07	4.1	34	<0.05	0.02	>10	0.07
33460	Core		1.516	0.2	<0.01	25.12	1.8	12.1	3.92	703.4	165	1.25	0.04	0.06	0.22
33461	Core		1.776	<0.1	<0.01	22.79	1.5	11.1	2.50	1962.0	97	0.87	0.03	0.08	0.16
33462	Core		8.070	1.5	0.90	11.50	0.6	6.0	1.28	1609.6	38	0.25	0.11	0.01	0.64
33463	Core		0.223	<0.1	<0.01	57.63	2.9	31.3	>10	669.5	793	4.57	0.29	0.25	0.06
33464	Core		0.213	<0.1	<0.01	60.29	2.7	37.2	>10	546.7	802	4.44	0.37	0.12	0.18
33465	Core		0.208	<0.1	<0.01	33.85	1.7	15.9	3.20	929.1	131	1.30	0.10	0.30	0.46
33466	Core		0.023	<0.1	<0.01	21.88	1.0	10.8	2.48	1243.4	109	0.87	0.04	0.67	0.33
33467	Core		0.075	<0.1	<0.01	33.51	2.0	16.4	6.26	62.9	360	1.74	0.16	0.50	0.15
33468	Core		0.011	<0.1	0.20	36.61	2.2	19.8	8.77	31.4	558	2.76	0.29	0.28	0.06
33469	Core		0.007	<0.1	0.40	83.16	2.9	44.0	>10	28.6	744	3.83	0.36	0.22	0.05
33470	Core		<0.005	<0.1	<0.01	48.30	2.0	25.2	6.68	11.9	385	2.07	0.15	0.85	0.04
33471	Core		<0.005	<0.1	0.10	41.07	1.7	20.3	4.99	9.2	299	1.83	0.12	0.61	<0.02
33472	Core		<0.005	<0.1	<0.01	41.29	2.4	22.4	8.97	8.6	551	2.24	0.27	0.58	0.06
33473	Core		<0.005	<0.1	<0.01	67.13	2.7	38.2	>10	11.0	807	4.51	0.33	0.35	0.06
33474	Core		<0.005	<0.1	<0.01	30.76	1.3	14.8	3.57	6.5	161	0.84	0.06	1.64	<0.02
33475	Core		<0.005	<0.1	0.10	40.30	2.5	20.5	9.22	14.8	645	2.85	0.28	1.07	0.06
33476	Core		<0.005	<0.1	<0.01	46.83	2.8	25.2	>10	15.1	681	2.82	0.42	0.25	0.03

INSPECTORATE
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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-359

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
32048	Core	1.5	236	1.56	8.2	0.81	4.60	1.14	0.01	0.72	9.0	0.08	78	0.47	0.02
32049	Core	2.5	280	0.71	4.6	1.15	2.43	1.14	0.02	0.27	3.1	0.04	66	0.73	0.01
32050	Core	2.3	202	1.53	7.1	1.12	5.94	1.15	0.01	1.03	6.3	0.11	197	0.46	0.03
32051	Core	2.2	219	1.38	6.6	0.89	5.22	0.87	<0.01	0.88	6.0	0.10	158	0.51	0.02
32052	Pulp	17.0	90	1.23	106.0	4.15	6.73	0.67	0.10	1.19	6.3	0.72	556	31.82	0.66
32053	Core	2.1	249	1.24	5.2	0.86	5.49	1.10	0.01	0.79	6.1	0.09	152	0.66	0.02
32054	Core	2.4	274	0.97	7.0	0.94	3.93	0.51	<0.01	0.57	4.9	0.06	208	0.75	0.02
32055	Core	3.0	249	0.98	7.9	1.00	3.79	0.56	<0.01	0.53	4.7	0.07	236	0.59	0.02
32056	Core	9.0	193	3.17	22.8	3.12	12.95	1.11	0.03	2.66	26.0	0.34	377	0.51	0.09
32057	Core	18.5	135	7.75	52.7	5.32	27.98	1.55	0.08	6.41	54.3	0.76	360	0.44	0.20
32058	Core	14.7	171	4.90	39.4	4.46	19.96	1.44	0.05	3.86	31.0	0.62	349	0.45	0.12
32059	Core	7.7	193	1.82	15.1	3.08	9.02	1.11	0.02	1.54	20.8	0.33	352	0.34	0.05
33428	Core	24.7	122	12.03	49.2	5.54	25.62	1.47	0.08	5.15	53.5	0.80	1165	0.64	0.25
33429	Core	23.7	119	11.85	51.3	5.30	25.97	1.45	0.10	4.71	55.9	0.62	999	0.69	0.30
33430	Core	10.9	191	16.96	68.0	5.62	28.41	1.45	0.40	6.67	51.6	0.33	57	0.92	0.28
33431	Core	3.7	213	3.91	17.4	1.38	9.03	0.69	0.05	1.46	42.5	0.13	88	0.43	0.05
33432	Core	1.4	349	0.87	7.9	0.53	1.91	1.48	0.01	0.20	3.5	0.02	39	0.77	0.01
33433	Core	1.9	293	0.93	13.8	0.65	2.00	1.70	0.01	0.28	2.1	0.02	25	0.48	0.02
33434	Core	3.6	268	1.91	21.1	0.96	4.17	1.61	0.03	0.67	9.8	0.08	101	0.57	0.03
33435	Core	18.3	176	13.41	82.6	5.73	32.26	1.70	0.08	6.87	58.0	0.97	684	0.53	0.33
33436	Core	17.5	242	8.81	49.2	5.21	24.73	1.72	0.07	5.64	46.3	0.80	688	0.59	0.25
33437	Core	9.0	250	5.83	32.7	2.48	17.90	1.63	0.04	3.20	35.3	0.33	287	0.49	0.12
33438	Core	4.4	275	1.97	9.0	1.35	4.23	1.38	0.01	0.68	33.7	0.07	172	0.53	0.04
33439	Core	2.6	283	1.67	7.9	1.08	4.43	1.11	0.02	0.66	15.0	0.07	165	0.45	0.04
33440	Core	2.3	263	1.27	11.5	0.89	3.63	1.47	0.06	0.56	9.9	0.05	37	0.62	0.02
33441	Pulp	12.5	81	1.19	51.7	4.53	12.81	0.93	0.06	1.33	15.5	1.54	864	9.73	2.33
33442	Core	2.3	294	1.19	10.2	0.68	3.05	1.39	0.05	0.48	9.2	0.04	34	0.52	0.02
33443	Core	3.1	271	1.65	13.0	1.14	5.61	1.61	0.07	0.82	8.5	0.07	45	0.72	0.03
33444	Core	2.7	233	2.13	18.2	1.20	5.31	1.67	0.04	1.04	10.3	0.08	51	0.47	0.04
33445	Core	2.4	240	2.67	17.3	0.64	6.66	1.46	0.04	1.32	14.4	0.08	27	0.61	0.05
33446	Core	2.0	260	1.95	15.5	0.60	4.45	1.65	0.04	0.76	10.3	0.05	31	0.67	0.04
33447	Core	4.3	202	1.71	25.5	1.69	5.28	0.62	0.01	0.70	11.9	0.12	303	0.54	0.03
33448	Core	4.9	216	2.17	12.9	1.49	5.28	1.08	0.02	0.80	12.1	0.06	214	0.51	0.04
33449	Core	4.1	227	2.95	12.2	1.29	5.95	0.80	0.01	0.88	14.5	0.08	603	0.50	0.04
33450	Core	3.2	208	1.84	9.8	1.03	4.32	1.31	0.06	0.62	10.1	0.06	314	0.46	0.03
33451	Core	2.7	248	2.31	5.8	0.85	4.07	1.32	0.01	0.52	9.9	0.08	312	0.47	0.03
33452	Core	2.7	199	2.46	8.6	1.06	4.52	1.33	0.04	0.56	8.7	0.07	379	0.45	0.03
33453	Core	2.9	241	1.78	5.7	1.06	4.07	0.99	<0.01	0.49	12.7	0.11	317	0.45	0.02
33454	Core	2.8	225	2.07	5.8	0.83	4.19	1.20	0.01	0.45	10.7	0.08	237	0.47	0.02
33455	Core	3.1	254	2.23	13.5	0.80	5.03	1.45	0.01	0.62	9.4	0.06	213	0.52	0.02

INSPECTORATE
A Bureau Veritas Group Company
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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-360

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
33456	Core	6.0	194	3.53	11.4	0.85	10.99	1.48	0.03	1.32	12.3	0.09	32	0.57	0.04
33457	Core	4.1	233	2.35	12.6	1.44	6.50	1.48	0.02	0.69	13.4	0.10	394	0.51	0.03
33458	Core	4.3	176	2.28	9.4	1.31	6.38	1.33	0.02	0.76	13.6	0.13	397	0.41	0.03
33459	Core	1.2	11	0.76	3.5	0.44	0.31	<0.05	0.01	0.05	1.2	>10	234	0.08	<0.01
33460	Core	5.2	190	3.72	23.7	1.15	8.64	1.41	0.02	1.22	13.7	0.14	315	0.42	0.05
33461	Core	4.1	240	2.51	17.2	0.79	6.34	2.00	0.02	0.73	12.2	0.06	22	0.64	0.03
33462	Core	1.4	216	2.03	5.9	0.47	2.81	2.19	0.02	0.35	5.1	0.03	19	0.49	0.01
33463	Core	18.1	160	18.07	58.5	5.22	28.51	1.67	0.08	6.55	31.4	1.11	607	0.57	0.25
33464	Core	20.7	162	22.38	59.9	4.74	26.87	1.71	0.08	5.32	98.8	0.95	731	0.84	0.38
33465	Core	4.4	228	3.74	11.6	1.31	7.02	1.12	0.02	0.94	20.6	0.20	274	0.46	0.05
33466	Core	3.7	236	1.82	9.6	1.20	5.23	1.11	0.03	0.77	10.3	0.27	543	0.50	0.04
33467	Core	11.7	217	4.57	25.8	3.04	14.78	1.20	0.04	1.98	18.7	0.56	628	0.54	0.15
33468	Core	14.3	216	7.19	40.3	3.54	18.81	1.32	0.06	3.58	49.8	0.69	355	0.70	0.25
33469	Core	17.5	159	8.42	46.6	4.27	25.09	1.57	0.07	4.66	63.0	1.05	340	0.48	0.27
33470	Core	9.6	270	4.53	27.6	3.29	14.02	1.21	0.04	2.47	49.4	0.81	726	0.53	0.43
33471	Core	6.1	285	3.72	16.0	2.23	10.50	1.04	0.03	1.71	37.4	0.60	706	0.46	0.35
33472	Core	13.3	227	5.72	51.3	3.89	18.19	1.19	0.05	3.50	79.7	0.97	658	0.53	0.49
33473	Core	18.2	173	8.70	52.0	4.71	25.74	1.49	0.07	4.74	96.4	1.21	421	0.46	0.35
33474	Core	6.1	204	2.15	14.2	2.36	6.80	0.84	0.02	0.74	48.6	1.04	1189	0.43	0.07
33475	Core	18.4	177	7.32	45.2	4.04	21.21	1.41	0.06	3.72	77.0	1.26	656	0.47	0.31
33476	Core	22.8	157	7.30	43.7	4.15	21.82	1.63	0.06	3.72	88.5	1.06	460	0.53	0.32

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Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-361

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
32048	Core	0.4	5.9	21	7.9	<0.002	1.03	2.2	0.100	2.5	30.6	0.7	14.2	0.14	0.07
32049	Core	0.6	9.0	97	6.3	<0.002	3.72	1.2	0.414	4.1	13.3	0.4	5.6	<0.05	0.14
32050	Core	1.1	6.8	143	9.1	<0.002	1.50	2.2	0.210	2.6	40.4	0.7	18.2	0.14	<0.05
32051	Core	0.8	6.2	95	8.8	<0.002	0.88	1.8	0.154	2.1	36.1	0.6	14.3	0.10	<0.05
32052	Pulp	0.6	46.0	300	1255.9	0.005	3.78	8.8	0.808	3.5	31.4	2.8	66.5	<0.05	0.82
32053	Core	0.8	5.5	252	8.1	<0.002	0.88	2.0	0.097	2.2	32.7	0.6	16.7	0.09	<0.05
32054	Core	0.7	6.0	485	8.5	<0.002	0.57	1.4	0.079	1.7	22.9	0.5	17.2	0.06	<0.05
32055	Core	0.5	6.2	612	9.8	<0.002	0.58	1.6	0.122	2.1	22.7	0.5	15.4	0.07	0.06
32056	Core	2.0	22.2	458	14.8	0.002	1.33	8.4	0.367	1.7	93.4	1.4	27.5	0.18	<0.05
32057	Core	3.4	48.1	591	19.9	0.003	2.58	20.0	0.240	2.9	213.2	2.7	59.5	0.41	<0.05
32058	Core	2.6	36.8	300	24.3	0.003	1.05	15.0	0.077	1.7	151.0	2.0	42.7	0.26	<0.05
32059	Core	1.2	16.6	107	19.1	<0.002	0.37	6.5	0.049	1.8	58.5	0.8	16.5	0.11	<0.05
33428	Core	2.7	54.5	622	29.8	0.002	4.71	19.3	0.906	1.0	219.7	2.5	81.0	0.28	0.11
33429	Core	2.9	48.0	419	32.9	0.004	4.98	19.1	1.014	1.9	231.3	2.8	83.6	0.33	0.13
33430	Core	4.6	31.9	253	970.1	0.002	3.34	19.5	4.037	1.8	249.9	8.0	65.3	0.39	0.11
33431	Core	1.1	8.9	84	66.5	<0.002	2.74	4.6	0.139	1.8	59.8	2.2	10.3	0.10	<0.05
33432	Core	0.4	5.1	<10	73.3	<0.002	2.70	0.9	0.154	2.9	10.9	0.6	0.3	<0.05	<0.05
33433	Core	0.3	4.4	15	64.5	0.002	2.33	0.8	0.169	6.2	13.5	0.6	<0.2	<0.05	<0.05
33434	Core	0.5	8.7	16	36.8	0.002	1.84	1.9	0.276	3.1	30.5	2.0	3.8	<0.05	<0.05
33435	Core	2.5	47.8	433	34.8	<0.002	1.29	20.9	0.143	1.9	252.5	2.7	81.3	0.24	0.08
33436	Core	2.5	45.5	494	22.4	0.003	1.03	17.2	0.168	1.2	188.0	2.3	70.7	0.23	0.12
33437	Core	1.8	21.8	387	52.6	<0.002	1.69	10.0	0.320	<1.0	128.7	1.9	35.3	0.15	0.08
33438	Core	0.6	10.1	113	19.4	<0.002	0.70	2.3	0.401	2.6	29.9	0.6	5.6	0.05	<0.05
33439	Core	0.6	7.2	55	40.8	0.003	0.84	2.2	0.229	1.7	29.4	0.9	5.2	0.05	<0.05
33440	Core	0.5	6.5	55	206.9	<0.002	2.10	1.9	0.172	1.5	24.1	2.6	1.5	<0.05	<0.05
33441	Pulp	4.8	37.7	680	11.0	0.007	2.45	18.1	0.047	1.8	25.8	2.0	286.3	0.28	0.15
33442	Core	0.4	4.8	86	200.7	<0.002	1.74	1.5	0.151	<1.0	21.0	2.9	2.1	<0.05	<0.05
33443	Core	0.6	7.7	67	263.2	<0.002	5.04	2.8	0.330	4.5	35.6	3.6	3.4	0.05	<0.05
33444	Core	0.6	8.3	11	109.1	<0.002	1.86	2.4	0.918	5.7	44.0	3.3	5.6	0.05	0.16
33445	Core	0.7	6.3	74	163.9	<0.002	1.40	2.9	0.278	1.9	54.8	3.1	11.5	0.07	<0.05
33446	Core	0.6	6.1	45	112.0	<0.002	1.26	2.0	0.247	2.9	36.9	2.6	6.8	<0.05	<0.05
33447	Core	0.9	10.9	138	13.2	<0.002	0.81	2.8	0.178	1.5	30.0	0.6	6.1	0.06	<0.05
33448	Core	0.7	9.3	52	14.6	<0.002	0.99	3.4	0.202	<1.0	34.7	1.0	7.8	0.06	<0.05
33449	Core	0.8	9.7	136	20.2	<0.002	0.82	3.4	0.180	<1.0	39.9	0.7	10.6	0.07	<0.05
33450	Core	0.8	6.9	193	181.4	<0.002	1.90	2.6	0.360	1.9	28.7	2.5	7.4	0.17	0.10
33451	Core	0.7	7.3	123	11.3	<0.002	1.19	2.3	0.098	1.8	27.9	0.5	7.3	0.10	<0.05
33452	Core	0.7	7.2	58	98.2	0.003	1.24	2.2	0.372	1.2	29.9	0.9	6.9	0.08	<0.05
33453	Core	0.6	7.9	89	9.8	0.003	0.60	2.0	0.086	1.6	23.8	0.5	4.0	0.06	<0.05
33454	Core	0.5	7.3	85	8.4	<0.002	1.19	2.0	0.153	2.8	25.0	0.5	9.5	0.05	<0.05
33455	Core	0.5	8.5	181	7.5	0.003	1.92	2.2	0.234	1.8	30.1	1.4	8.2	0.07	<0.05

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Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-362

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
33456	Core	0.9	14.3	10	10.7	0.003	5.26	4.1	0.423	1.5	62.9	1.3	11.3	0.10	0.09
33457	Core	0.7	11.1	52	9.3	<0.002	4.32	3.2	0.381	2.9	35.4	0.8	8.4	0.06	<0.05
33458	Core	0.7	9.8	80	8.5	<0.002	1.77	3.1	0.263	1.6	36.7	0.7	8.5	0.06	<0.05
33459	Core	0.6	5.0	148	2.9	0.004	0.05	0.4	<0.01	2.3	2.7	0.2	43.1	0.20	0.13
33460	Core	0.8	11.3	128	23.0	<0.002	1.15	3.7	0.264	2.2	57.6	1.0	15.0	0.09	<0.05
33461	Core	0.7	10.6	243	13.1	0.003	2.58	1.9	0.584	6.2	38.3	1.5	25.3	0.07	0.07
33462	Core	0.4	4.7	<10	58.5	<0.002	2.22	0.7	0.183	6.5	18.9	1.8	11.7	<0.05	<0.05
33463	Core	3.9	44.4	918	24.0	<0.002	2.26	18.7	0.538	1.7	258.7	3.0	92.3	0.36	0.08
33464	Core	2.7	44.7	230	28.1	0.003	4.49	19.0	1.207	1.2	216.4	3.0	134.9	0.26	0.14
33465	Core	0.9	11.3	271	66.4	<0.002	1.58	3.6	0.569	1.3	40.8	1.4	35.0	0.08	<0.05
33466	Core	0.6	9.1	113	55.9	<0.002	1.47	2.4	0.534	2.2	35.5	2.9	32.5	0.05	<0.05
33467	Core	1.6	26.7	344	17.5	0.003	1.28	9.2	0.259	1.7	100.3	1.5	63.9	0.13	0.13
33468	Core	2.2	34.4	231	30.6	<0.002	1.99	13.7	0.319	1.8	149.1	1.8	89.5	0.17	0.08
33469	Core	3.7	44.3	541	25.4	0.003	1.19	17.3	0.145	1.9	191.8	2.4	104.2	0.31	0.12
33470	Core	1.8	25.3	488	19.6	0.003	0.40	9.2	0.061	1.3	97.6	1.3	90.1	0.15	0.06
33471	Core	1.5	16.9	155	13.4	0.002	0.31	6.8	0.027	1.6	72.8	1.0	65.2	0.11	0.09
33472	Core	1.8	31.9	477	33.8	0.002	0.69	12.5	0.119	1.7	128.6	1.7	98.4	0.17	0.06
33473	Core	3.2	46.0	283	28.8	0.002	0.82	18.4	0.123	1.9	185.4	2.3	137.0	0.23	0.17
33474	Core	1.1	12.8	171	10.2	<0.002	0.38	4.3	0.023	1.3	33.0	0.9	130.8	0.09	0.10
33475	Core	2.8	37.0	1198	10.9	0.003	1.69	15.3	0.336	2.2	155.4	2.1	170.1	0.21	0.19
33476	Core	3.7	40.7	580	12.7	0.004	1.59	16.1	0.450	2.0	159.2	2.1	125.4	0.28	0.20

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Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-363

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
32048	Core	4.6	0.022	0.19	0.8	12	1.1	2.3	10	29.9
32049	Core	2.8	0.011	0.08	0.5	6	1.0	2.2	<2	20.4
32050	Core	6.3	0.019	0.23	1.0	14	1.1	2.6	11	30.2
32051	Core	5.1	0.019	0.22	0.9	12	1.0	2.3	8	26.6
32052	Pulp	4.0	0.051	0.37	0.7	70	1.9	4.2	277	33.5
32053	Core	4.7	0.019	0.19	1.0	12	1.3	2.5	11	29.7
32054	Core	3.6	0.015	0.13	0.9	10	1.0	2.8	9	21.8
32055	Core	4.0	0.013	0.12	1.2	9	0.8	3.0	10	23.6
32056	Core	9.0	0.041	0.51	2.3	43	5.4	4.5	57	55.0
32057	Core	18.3	0.083	1.19	5.1	98	2.3	8.0	136	106.9
32058	Core	14.9	0.066	0.88	3.8	70	1.7	6.8	90	93.0
32059	Core	10.5	0.036	0.32	1.9	34	1.0	4.9	44	59.2
33428	Core	11.7	0.075	1.18	4.2	84	2.6	7.2	424	83.6
33429	Core	11.7	0.072	1.37	4.4	87	3.1	6.4	382	79.1
33430	Core	15.7	0.151	1.33	5.1	100	7.2	6.3	472	87.9
33431	Core	6.7	0.038	0.36	2.2	29	3.3	4.8	145	58.7
33432	Core	1.6	0.010	0.08	0.5	6	1.2	1.0	20	15.5
33433	Core	1.8	0.008	0.10	0.4	7	0.8	0.8	15	11.1
33434	Core	4.1	0.014	0.19	0.9	13	1.3	3.2	83	30.0
33435	Core	17.9	0.083	1.32	4.8	104	2.7	7.6	218	102.7
33436	Core	14.1	0.086	1.03	4.1	85	2.4	6.4	177	76.8
33437	Core	9.4	0.063	0.71	2.4	57	3.9	4.9	118	61.5
33438	Core	3.8	0.015	0.17	0.9	13	1.5	1.6	74	21.4
33439	Core	4.8	0.019	0.17	1.1	13	1.7	2.3	82	28.6
33440	Core	3.6	0.014	0.13	0.9	10	1.8	1.4	178	24.7
33441	Pulp	2.0	0.348	0.22	0.9	139	1.0	14.7	70	34.7
33442	Core	2.9	0.012	0.10	0.7	9	1.5	1.6	125	20.8
33443	Core	8.1	0.020	0.19	1.4	15	3.2	2.7	102	44.7
33444	Core	5.6	0.020	0.23	1.0	16	1.7	2.5	31	37.3
33445	Core	7.4	0.026	0.31	1.4	20	1.6	3.0	81	48.8
33446	Core	5.5	0.018	0.21	1.0	11	1.5	2.5	102	39.9
33447	Core	8.9	0.028	0.16	1.4	17	2.0	4.6	79	56.1
33448	Core	8.0	0.022	0.21	1.4	18	3.4	3.7	97	45.6
33449	Core	6.7	0.023	0.24	1.1	17	3.3	3.9	40	44.7
33450	Core	7.2	0.017	0.19	1.0	13	3.2	3.1	205	39.3
33451	Core	6.6	0.017	0.17	0.9	13	1.7	2.8	27	35.3
33452	Core	5.6	0.017	0.17	0.9	12	1.5	2.8	171	35.6
33453	Core	5.9	0.018	0.16	1.1	14	1.5	2.4	31	33.8
33454	Core	5.1	0.015	0.15	0.7	12	1.1	2.1	17	32.8
33455	Core	4.9	0.016	0.18	0.8	14	1.6	2.4	22	32.1

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Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-364

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33456	Core	11.0	0.032	0.36	1.7	30	2.5	4.1	21	71.0
33457	Core	6.8	0.020	0.21	1.0	18	2.1	3.6	23	41.8
33458	Core	7.0	0.024	0.20	1.1	20	2.3	3.0	43	43.8
33459	Core	0.3	<0.005	0.02	0.6	2	0.3	0.8	14	1.0
33460	Core	10.5	0.029	0.33	1.5	27	2.7	3.9	55	56.7
33461	Core	9.3	0.022	0.23	1.2	18	2.2	3.4	20	50.1
33462	Core	3.0	0.010	0.11	0.5	8	0.9	1.1	61	20.4
33463	Core	13.9	0.128	1.45	4.2	107	8.8	8.6	124	89.5
33464	Core	16.0	0.097	1.19	4.5	100	7.5	6.5	146	90.1
33465	Core	8.2	0.029	0.24	1.4	23	2.6	4.5	56	58.9
33466	Core	5.6	0.021	0.20	0.9	15	2.3	2.9	35	30.2
33467	Core	10.7	0.048	0.53	2.1	51	1.9	5.7	68	66.7
33468	Core	13.2	0.068	0.81	3.1	65	1.5	5.4	82	71.7
33469	Core	16.7	0.112	1.03	4.3	88	1.5	8.4	113	95.8
33470	Core	11.1	0.057	0.50	2.3	51	0.7	6.1	64	68.9
33471	Core	10.2	0.043	0.39	2.0	37	0.3	4.4	35	59.1
33472	Core	13.4	0.064	0.71	3.2	70	0.6	6.0	80	73.3
33473	Core	15.5	0.099	0.98	4.1	90	1.0	7.1	110	88.1
33474	Core	6.8	0.031	0.19	1.2	24	0.9	3.8	32	40.8
33475	Core	12.9	0.086	0.75	3.3	79	1.4	9.7	85	88.4
33476	Core	14.4	0.113	0.85	4.1	82	1.5	7.5	97	90.2

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-365

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
32048	Core				<0.01	18.68	1.6	9.1	2.03	961.0	96	0.83	0.04	0.04	<0.02
32048 Dup					<0.01	18.21	1.2	8.0	1.81	938.9	96	0.85	0.03	0.03	<0.02
QCV1208-00550-0002-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-DS-1 expected					0.47				4.48	6930.0	221				
STD-DS-1 result					0.50				4.46	7157.6	227				
33434	Core				<0.01	12.05	0.9	6.2	1.88	916.4	89	0.52	0.36	0.02	1.75
33434 Dup					<0.01	13.55	1.0	7.0	1.90	965.0	95	0.52	0.37	0.03	1.87
QCV1208-00550-0005-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-OREAS92-4A expected					0.70								2.44		
STD-OREAS92-4A result					0.90	94.73	3.9	45.3	8.33		448	3.19	2.46	0.54	0.06
33452	Core				0.20	18.41	1.1	8.4	2.46	928.0	77	0.58	0.04	0.05	2.30
33452 Dup					0.20	16.47	1.3	7.0	2.39	946.3	81	0.70	0.04	0.04	2.37
QCV1208-00550-0008-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-OREAS92-4A expected					0.70								2.44		
STD-OREAS92-4A result					0.70	90.95	3.7	45.5	8.24		434	3.25	2.23	0.51	0.06
33470	Core				<0.01	48.30	2.0	25.2	6.68	11.9	385	2.07	0.15	0.85	0.04
33470 Dup					0.10	44.40	2.3	24.1	6.52	12.3	368	1.89	0.16	0.79	0.04
QCV1208-00550-0011-BLK					<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02
STD-DS-1 expected					0.47				4.48	6930.0	221				
STD-DS-1 result					0.45				4.05	7430.7	230				
32048	Core			<0.1											
32048 Dup				<0.1											
QCV1208-00551-0002-BLK				<0.1											
STD-DS-1 expected				0.5											
STD-DS-1 result				0.4											
33434	Core			0.2											
33434 Dup				<0.1											
QCV1208-00551-0005-BLK				<0.1											
STD-Oreas501 expected				0.7											
STD-Oreas501 result				0.8											
33452	Core			<0.1											
33452 Dup				<0.1											
QCV1208-00551-0008-BLK				<0.1											
33470	Core			<0.1											
33470 Dup				<0.1											
QCV1208-00551-0011-BLK				<0.1											
STD-CDN-ME-16 expected				30.8											
STD-CDN-ME-16 result				31.8											
32048	Core		0.049												
32048 Dup			0.056												

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A Bureau Veritas Group Company
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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-1AT-GV g/ton 1.000	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02
QCV1208-00552-0002-BLK			<0.005												
33442	Core		0.042												
33442 Dup			0.036												
STD-OxE101 expected			0.607												
STD-OxE101 result			0.567												
33468	Core		0.011												
33468 Dup			0.013												
STD-OxE101 expected			0.607												
STD-OxE101 result			0.561												
QCV1208-00552-0008-BLK			<0.005												
STD-OxE101 expected			0.607												
STD-OxE101 result			0.587												

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Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01
32048	Core	1.5	236	1.56	8.2	0.81	4.60	1.14	0.01	0.72	9.0	0.08	78	0.47	0.02
32048 Dup		1.5	252	1.55	7.6	0.91	4.67	1.17	0.01	0.64	9.7	0.07	86	0.44	0.02
QCV1208-00550-0002-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-DS-1 expected		9.5			27.1							2.76	437		
STD-DS-1 result		10.0			26.3							2.81	456		
33434	Core	3.6	268	1.91	21.1	0.96	4.17	1.61	0.03	0.67	9.8	0.08	101	0.57	0.03
33434 Dup		3.9	287	2.07	22.6	1.00	4.48	1.71	0.03	0.67	10.3	0.08	113	0.61	0.03
QCV1208-00550-0005-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected		16.3			2294.0										
STD-OREAS92-4A result		15.8		7.52	2094.8	4.47	18.58		0.34		27.4	1.60		0.40	0.53
33452	Core	2.7	199	2.46	8.6	1.06	4.52	1.33	0.04	0.56	8.7	0.07	379	0.45	0.03
33452 Dup		2.9	217	2.62	8.4	1.06	4.62	1.32	0.04	0.54	8.8	0.07	390	0.48	0.02
QCV1208-00550-0008-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected		16.3			2294.0										
STD-OREAS92-4A result		16.1		7.47	2253.3	4.17	18.50		0.33		28.3	1.59		0.36	0.50
33470	Core	9.6	270	4.53	27.6	3.29	14.02	1.21	0.04	2.47	49.4	0.81	726	0.53	0.43
33470 Dup		9.6	245	4.34	25.9	3.05	13.26	1.07	0.03	2.35	47.5	0.79	723	0.52	0.40
QCV1208-00550-0011-BLK		<0.1	<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01
STD-DS-1 expected		9.5			27.1							2.76	437		
STD-DS-1 result		10.7			29.0							2.62	495		

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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-368

Sample Description	Sample Type	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05
32048	Core	0.4	5.9	21	7.9	<0.002	1.03	2.2	0.100	2.5	30.6	0.7	14.2	0.14	0.07
32048 Dup		0.8	6.0	26	7.5	0.003	0.92	2.2	0.093	2.6	30.3	0.6	14.0	0.12	0.06
QCV1208-00550-0002-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-DS-1 expected			48.7	340	13.8										
STD-DS-1 result			47.6	335	12.9										
33434	Core	0.5	8.7	16	36.8	0.002	1.84	1.9	0.276	3.1	30.5	2.0	3.8	<0.05	<0.05
33434 Dup		0.6	9.8	<10	37.9	<0.002	1.98	2.0	0.284	2.2	32.0	2.1	4.2	0.09	<0.05
QCV1208-00550-0005-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected					9.8		1.16			3.8		10.6			
STD-OREAS92-4A result		14.8	38.2	684	12.5	0.003	1.24	15.1		4.3	206.5	10.4	32.5	0.99	<0.05
33452	Core	0.7	7.2	58	98.2	0.003	1.24	2.2	0.372	1.2	29.9	0.9	6.9	0.08	<0.05
33452 Dup		0.6	7.3	63	101.4	<0.002	1.15	2.3	0.369	2.2	31.6	0.9	7.4	0.08	0.07
QCV1208-00550-0008-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected					9.8		1.16			3.8		10.6			
STD-OREAS92-4A result		15.1	38.4	580	13.3	0.005	1.27	14.4		5.0	209.3	10.8	33.6	0.99	0.10
33470	Core	1.8	25.3	488	19.6	0.003	0.40	9.2	0.061	1.3	97.6	1.3	90.1	0.15	0.06
33470 Dup		1.7	23.6	475	19.5	0.003	0.41	9.0	0.057	1.6	93.6	1.2	85.7	0.16	0.08
QCV1208-00550-0011-BLK		<0.1	<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05
STD-DS-1 expected			48.7		13.8										
STD-DS-1 result			51.1		13.5										

INSPECTORATE
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Certificate of Analysis

12-360-05474-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-369

Sample Description	Sample Type	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
32048	Core	4.6	0.022	0.19	0.8	12	1.1	2.3	10	29.9
32048 Dup		4.2	0.017	0.20	0.7	12	0.9	2.1	8	26.4
QCV1208-00550-0002-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected				20.00					206	
STD-DS-1 result				18.34					203	
33434	Core	4.1	0.014	0.19	0.9	13	1.3	3.2	83	30.0
33434 Dup		4.3	0.016	0.19	0.9	13	1.5	2.0	83	30.4
QCV1208-00550-0005-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		16.8	0.337	0.94	3.6		2.7	26.5	93	119.7
33452	Core	5.6	0.017	0.17	0.9	12	1.5	2.8	171	35.6
33452 Dup		6.0	0.016	0.18	1.0	13	1.5	2.9	171	39.3
QCV1208-00550-0008-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		16.7	0.322	0.97	3.2		2.6	25.7	97	127.4
33470	Core	11.1	0.057	0.50	2.3	51	0.7	6.1	64	68.9
33470 Dup		12.1	0.054	0.58	2.5	48	0.6	5.8	59	64.5
QCV1208-00550-0011-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected				20.00					206	
STD-DS-1 result				19.02					180	

Certificate of Analysis

12-360-05474-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
EMail: cbuchanan@northern-tiger.com

Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-012**
Client Reference: **Core-12-012**
Description: **3 ACE**

Date Received: 10/05/2012
Date Completed: 10/15/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	44	Core	

Location	Quantity	Method	Description
Vancouver, BC	44	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-370

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05474-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-371

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
32048	Core	0.04	0.04	0.04	0.03	477.25	23.99	501.24
32049	Core	0.30	0.31	0.31	0.16	461.34	19.96	481.30
32050	Core	0.04	0.04	0.03	0.03	449.43	19.32	468.75
32053	Core	0.01	0.02	0.01	<0.01	467.36	29.00	496.36
32054	Core	0.01	0.02	0.01	<0.01	497.78	5.73	503.51
32055	Core	<0.01	<0.01	<0.01	<0.01	460.74	6.90	467.64
32056	Core	0.53	0.49	0.47	2.16	499.97	15.33	515.30
32057	Core	3.68	1.78	1.61	104.10	440.89	8.70	449.59
32058	Core	<0.01	<0.01	<0.01	0.01	466.93	25.85	492.77
32059	Core	<0.01	<0.01	<0.01	<0.01	504.10	8.56	512.66
33430	Core	1.55	1.61	1.53	1.14	450.18	18.95	469.13
33431	Core	0.26	0.20	0.23	3.30	455.03	7.20	462.23
33432	Core	2.54	2.24	2.40	6.80	430.62	22.82	453.44
33433	Core	0.23	0.25	0.22	0.06	442.21	17.50	459.71
33434	Core	0.18	0.16	0.12	2.14	495.58	10.20	505.78
33435	Core	0.01	0.02	<0.01	<0.01	502.95	7.34	510.29
33436	Core	0.02	0.02	0.03	0.02	505.76	6.99	512.75
33437	Core	0.41	0.35	0.35	5.93	509.75	5.45	515.20
33438	Core	0.02	0.02	0.03	0.01	490.98	16.12	507.10
33439	Core	0.03	0.03	0.03	0.03	484.64	25.62	510.26
33440	Core	0.05	0.04	0.04	0.58	498.55	12.06	510.61
33443	Core	0.16	0.16	0.16	0.09	491.68	22.99	514.67
33444	Core	0.25	0.26	0.25	0.07	495.81	8.46	504.27
33445	Core	0.02	0.02	0.02	<0.01	499.23	10.85	510.08
33446	Core	0.02	0.01	0.03	<0.01	461.24	8.70	469.93
33447	Core	0.01	0.01	0.01	0.06	487.11	7.16	494.27
33448	Core	0.11	0.13	0.10	0.07	506.79	5.58	512.37
33449	Core	0.06	0.05	0.05	1.05	497.51	6.80	504.31
33450	Core	0.06	0.07	0.05	0.03	461.58	14.20	475.78
33451	Core	0.01	0.02	0.01	<0.01	490.30	19.52	509.82
33452	Core	0.12	0.10	0.13	0.09	492.45	22.35	514.80
33453	Core	0.02	0.02	0.02	<0.01	485.04	6.29	491.33
33454	Core	0.02	0.01	0.02	<0.01	501.12	5.98	507.10
33455	Core	0.05	0.04	0.05	0.04	508.50	9.16	517.66
33456	Core	8.30	2.80	2.32	190.57	489.17	15.39	504.56
33457	Core	0.73	0.65	0.70	2.11	486.83	19.40	506.22
33458	Core	0.20	0.14	0.13	1.22	484.17	28.30	512.46
33460	Core	1.72	1.16	1.32	12.36	459.38	20.63	480.00
33461	Core	2.78	1.66	1.85	49.52	471.33	10.36	481.69
33462	Core	20.41	10.80	11.54	690.90	467.08	6.44	473.52

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05474-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33463	Core	0.42	0.39	0.38	1.32	495.21	18.76	513.97
33464	Core	0.23	0.23	0.23	0.40	491.74	16.18	507.92
33465	Core	0.18	0.16	0.18	0.55	493.62	11.08	504.70
33466	Core	0.03	0.03	0.03	0.03	489.81	20.20	510.01

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INSPECTORATE
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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05474-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
QCV1210-00557-0001-BLK		<0.01						29.17
STD-OxF100 expected		0.80						
STD-OxF100 result		0.78						
QCV1210-00557-0004-BLK		<0.01						29.17
STD-OxJ95 expected		2.34						
STD-OxJ95 result		2.26						
STD-OxJ95 expected		2.34						
STD-OxJ95 result		2.21						

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Certificate of Analysis

12-360-05475-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
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Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-013**
Client Reference: **Core-12-013**
Description: **3 ACE**

Date Received: 08/08/2012
Date Completed: 08/17/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	49	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg
Whitehorse, YT	1	Pulp	

Location	Quantity	Method	Description
Vancouver, BC	50	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	50	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	50	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-374

INSPECTORATE
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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05475-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-375

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1
33477	Core	0.015	<0.1	0.08	49.29	2.3	22.5	>10	30.7	781	2.79	0.45	0.13	21.1	103
33478	Core	0.013	<0.1	0.05	38.68	2.7	21.2	>10	34.6	898	2.94	0.48	0.14	19.5	108
33479	Core	<0.005	<0.1	0.17	1.18	<0.1	0.9	0.08	42.2	120	<0.05	0.02	0.06	1.3	11
33480	Core	0.032	<0.1	0.11	51.03	2.4	25.7	>10	50.6	852	3.10	0.53	0.26	17.7	116
33481	Core	<0.005	<0.1	0.05	31.37	2.2	17.7	9.25	35.8	762	3.21	0.47	0.14	15.3	102
33482	Core	0.008	<0.1	0.14	51.50	2.1	26.8	>10	47.8	824	3.28	0.48	0.20	16.9	89
33483	Core	<0.005	<0.1	0.04	45.92	2.3	24.6	>10	49.5	864	3.69	0.50	0.22	17.9	109
33484	Core	0.006	<0.1	0.09	52.73	2.2	29.4	9.56	51.1	808	3.37	0.47	0.18	17.2	98
33485	Core	0.062	<0.1	0.03	28.47	1.9	14.5	9.23	64.8	718	2.86	0.41	0.17	14.9	119
33486	Core	0.529	<0.1	0.37	36.10	2.3	20.1	>10	146.5	802	3.46	0.42	0.15	16.7	126
33487	Core	0.698	<0.1	0.29	35.89	2.6	19.6	>10	72.8	867	3.29	0.50	0.18	17.4	137
33488	Core	0.015	<0.1	0.08	39.98	2.3	21.6	>10	36.7	866	3.46	0.33	0.14	15.9	106
33489	Core	0.007	<0.1	0.23	57.02	2.4	28.5	>10	27.7	871	3.53	0.38	0.17	19.4	103
33490	Core	0.008	<0.1	0.20	21.49	2.3	11.9	>10	22.4	928	4.05	0.37	0.18	21.7	100
33491	Core	<0.005	<0.1	0.07	40.34	2.5	20.2	>10	18.2	777	3.37	0.39	0.16	14.9	104
33492	Core	0.005	0.2	0.33	13.42	0.5	7.2	1.89	14.6	76	0.29	0.10	0.03	3.9	249
33493	Core	<0.005	<0.1	0.10	81.66	2.5	39.0	>10	20.4	476	3.40	0.43	0.13	20.4	98
33494	Core	<0.005	<0.1	0.06	75.93	2.5	33.2	>10	17.1	524	3.20	0.22	0.10	18.3	91
33495	Core	<0.005	<0.1	0.10	76.00	2.6	35.7	>10	20.8	506	3.54	0.44	0.13	18.4	101
33496	Core	<0.005	<0.1	0.17	106.36	2.4	52.6	>10	24.0	503	2.94	0.28	0.11	8.9	96
33497	Core	<0.005	<0.1	0.11	83.15	2.4	40.4	>10	39.0	513	3.33	0.47	0.10	11.7	91
33498	Core	<0.005	<0.1	0.09	97.47	2.5	45.6	>10	27.2	505	3.42	0.57	0.11	15.2	99
33499	Core	<0.005	<0.1	0.05	85.42	2.7	40.6	>10	19.3	543	3.78	0.38	0.12	15.4	106
33500	Core	<0.005	<0.1	0.05	71.90	2.7	35.3	>10	20.6	534	3.34	0.49	0.12	17.8	99
33501	Core	<0.005	<0.1	0.06	72.12	2.8	33.5	>10	24.4	487	3.06	0.67	0.10	18.6	95
33502	Core	<0.005	<0.1	0.34	72.17	2.5	34.8	>10	23.8	542	3.44	0.41	0.14	16.7	102
33503	Core	<0.005	<0.1	0.02	59.82	2.3	30.7	>10	54.1	552	3.27	0.38	0.15	18.4	104
33504	Core	0.008	<0.1	0.08	68.74	2.5	36.1	>10	32.2	524	3.08	0.36	0.12	15.4	93
33505	Core	<0.005	<0.1	<0.01	54.97	2.0	27.5	9.13	42.5	442	2.20	0.34	0.21	17.4	73
33506	Core	0.005	<0.1	0.52	70.76	2.2	34.7	>10	41.8	556	3.33	0.54	0.13	22.6	95
33507	Core	<0.005	<0.1	<0.01	71.62	1.9	34.1	9.58	28.4	420	2.63	0.27	0.15	13.6	91
33508	Core	<0.005	<0.1	<0.01	79.31	2.0	39.3	>10	24.3	518	2.96	0.24	0.15	13.0	86
33509	Core	<0.005	<0.1	1.09	89.71	2.3	45.4	>10	19.4	570	3.39	0.15	0.13	6.3	100
33510	Core	<0.005	0.1	0.08	95.35	2.4	46.2	>10	23.5	587	3.28	0.21	0.15	6.9	104
33511	Core	<0.005	<0.1	0.13	59.38	2.5	28.3	>10	25.1	521	3.04	0.38	0.12	12.9	94
33512	Core	<0.005	<0.1	0.11	56.35	2.3	26.5	>10	22.7	495	3.00	0.46	0.12	14.4	96
33513	Core	<0.005	<0.1	0.02	109.68	2.5	51.8	>10	14.0	559	3.35	0.13	0.12	12.5	103
33514	Core	<0.005	<0.1	<0.01	79.69	2.4	39.0	>10	14.4	534	3.37	0.16	0.10	12.1	96
33515	Core	<0.005	<0.1	0.03	83.38	2.6	41.2	>10	15.8	530	3.23	0.11	0.13	11.3	96
33516	Pulp	7.658	0.6	0.89	29.39	1.8	16.5	3.30	1065.7	166	0.81	0.66	4.24	6.4	99

INSPECTORATE
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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05475-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1
33517	Core	0.014	<0.1	0.05	78.48	2.6	38.0	>10	22.7	505	2.95	0.38	0.11	13.5	89
33518	Core	<0.005	<0.1	0.05	67.96	2.5	34.4	>10	23.4	579	3.26	0.41	0.13	12.5	113
33519	Core	<0.005	<0.1	0.05	80.51	2.7	39.4	>10	21.0	594	3.60	0.47	0.14	15.5	133
33520	Core	<0.005	<0.1	0.05	71.04	2.3	34.0	>10	42.6	520	3.04	0.64	0.16	25.5	131
33521	Core	<0.005	<0.1	0.02	55.17	2.2	26.0	>10	41.8	512	2.81	0.58	0.16	21.4	110
33522	Core	<0.005	<0.1	<0.01	53.87	2.6	24.4	>10	29.4	518	3.21	0.70	0.12	18.0	116
33523	Core	<0.005	<0.1	0.14	65.68	2.6	33.0	>10	25.7	535	3.04	0.38	0.12	14.5	111
33524	Core	<0.005	<0.1	0.13	64.40	2.6	32.6	>10	32.0	477	2.71	0.52	0.13	20.9	92
33525	Core	<0.005	<0.1	0.34	70.71	2.7	37.4	>10	26.8	518	2.66	0.56	0.15	12.5	99
33526	Core	<0.005	<0.1	0.14	70.28	2.4	35.4	>10	27.6	553	3.05	0.25	0.12	16.2	97

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Certificate of Analysis

12-360-05475-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-377

Sample Description	Sample Type	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2
33477	Core	7.73	51.6	5.36	28.40	1.64	0.06	4.40	77.5	1.17	515	1.09	0.41	3.5	44.7
33478	Core	8.55	55.4	4.96	31.28	1.76	0.07	4.14	90.6	1.17	576	1.06	0.36	4.0	47.8
33479	Core	0.49	2.3	0.43	0.43	<0.05	0.01	0.07	0.5	>10	225	0.11	<0.01	0.4	10.0
33480	Core	9.91	50.5	5.01	28.63	1.52	0.07	4.64	65.0	0.99	519	2.47	0.48	3.4	45.9
33481	Core	8.18	45.3	4.28	26.09	1.58	0.06	3.58	59.0	0.96	989	1.53	0.36	2.7	36.4
33482	Core	10.61	50.5	4.54	28.33	1.45	0.07	4.15	72.8	0.84	641	1.98	0.43	3.1	41.8
33483	Core	10.36	51.9	4.38	30.82	1.55	0.07	4.07	60.6	0.89	647	2.08	0.45	3.8	42.3
33484	Core	9.09	51.0	4.39	28.91	1.59	0.07	3.79	59.0	0.90	829	1.29	0.40	4.2	41.0
33485	Core	8.31	45.0	4.52	25.71	1.53	0.06	3.54	52.4	1.03	1038	0.97	0.32	1.9	37.1
33486	Core	8.79	44.3	4.32	32.51	1.42	0.06	4.37	49.2	0.97	367	0.85	0.31	3.6	42.5
33487	Core	9.21	52.2	4.31	35.70	1.76	0.07	4.53	52.6	0.94	626	0.86	0.35	4.0	44.1
33488	Core	9.48	46.6	4.43	33.35	1.82	0.06	4.55	78.4	0.93	294	0.51	0.47	4.6	42.2
33489	Core	9.07	54.7	4.44	33.84	1.83	0.07	4.11	88.9	0.91	305	0.58	0.48	5.1	46.0
33490	Core	9.23	48.0	4.44	36.05	1.74	0.08	4.78	78.1	0.83	290	0.60	0.59	3.7	48.6
33491	Core	7.56	57.6	5.13	33.99	1.85	0.07	4.16	101.1	1.15	316	0.66	0.47	3.5	42.4
33492	Core	1.05	14.4	1.49	5.52	1.57	0.01	0.38	27.3	0.30	275	0.84	0.13	1.1	12.7
33493	Core	8.92	53.3	5.13	31.72	1.67	0.07	3.32	115.4	1.24	591	0.26	0.90	4.8	51.3
33494	Core	6.91	53.9	5.39	32.51	1.92	0.08	3.41	110.1	1.25	660	0.18	0.99	4.4	53.5
33495	Core	7.01	57.7	5.04	34.12	1.91	0.07	3.35	118.6	1.20	535	0.22	0.97	5.5	54.2
33496	Core	6.46	46.9	4.34	30.27	1.62	0.07	3.32	96.9	1.04	776	0.36	0.94	3.9	39.9
33497	Core	8.12	44.0	4.25	35.67	1.85	0.08	3.41	107.6	1.13	341	0.56	0.88	4.5	47.8
33498	Core	7.67	54.4	4.62	34.10	1.82	0.08	3.61	110.1	1.18	326	0.43	1.02	4.5	49.5
33499	Core	7.77	50.0	4.82	34.46	2.06	0.09	3.57	121.1	1.24	312	0.31	1.05	4.6	50.2
33500	Core	7.77	49.4	5.02	35.77	1.84	0.08	3.64	112.4	1.23	492	0.43	1.06	4.0	49.6
33501	Core	7.23	58.9	4.89	30.70	1.63	0.07	3.46	107.0	1.28	544	0.33	1.00	4.4	49.9
33502	Core	8.30	55.6	4.60	34.34	1.63	0.07	3.51	105.3	1.31	1019	0.46	0.97	4.2	46.9
33503	Core	8.10	51.7	4.47	34.80	1.78	0.08	3.47	98.2	1.42	1298	0.76	0.93	3.4	49.4
33504	Core	7.93	48.5	4.41	30.53	1.46	0.07	3.59	88.0	1.34	1059	0.38	1.00	4.1	43.0
33505	Core	6.20	41.6	3.81	23.95	1.17	0.06	2.86	64.4	1.22	1656	0.35	0.76	3.3	38.6
33506	Core	7.50	58.1	4.54	30.39	1.53	0.07	3.46	86.2	1.39	1404	0.37	0.99	4.2	44.5
33507	Core	5.94	38.6	4.61	26.19	1.39	0.06	2.90	78.4	1.58	2039	0.31	0.79	3.6	40.8
33508	Core	7.83	49.9	4.42	29.93	1.57	0.07	3.34	90.2	1.42	1213	0.21	0.92	4.0	43.6
33509	Core	7.85	56.8	4.06	33.70	1.66	0.07	3.68	92.1	1.29	827	0.26	0.98	4.3	46.1
33510	Core	8.47	59.9	4.37	36.38	1.70	0.08	3.70	101.4	1.35	728	0.31	1.01	3.9	45.2
33511	Core	7.55	55.4	5.17	30.28	1.51	0.07	3.85	92.3	1.49	654	0.33	1.00	2.7	44.6
33512	Core	12.42	56.3	5.06	29.12	1.56	0.07	3.47	103.7	1.40	636	0.55	0.95	3.0	44.3
33513	Core	11.33	56.6	4.92	37.63	1.76	0.08	3.95	120.5	1.31	340	0.33	1.10	5.4	53.3
33514	Core	8.03	52.8	4.90	34.65	1.53	0.08	3.88	108.3	1.34	467	0.26	1.08	3.4	48.8
33515	Core	7.94	46.7	4.55	33.62	1.64	0.08	3.52	119.8	1.24	484	0.26	0.97	3.9	48.5
33516	Pulp	7.02	36.3	1.31	7.96	0.32	0.07	1.90	7.7	0.72	269	11.42	<0.01	7.3	70.3

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05475-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2
33517	Core	7.22	45.8	5.05	29.89	1.58	0.07	3.83	97.7	1.36	587	0.25	1.03	4.9	49.1
33518	Core	8.22	51.3	4.85	36.02	1.73	0.08	3.74	113.5	1.35	643	0.43	1.06	2.7	51.7
33519	Core	8.12	55.2	5.19	35.36	1.57	0.08	4.13	120.9	1.42	499	0.92	1.11	4.0	51.9
33520	Core	7.10	54.7	5.30	30.89	1.60	0.07	3.36	111.8	1.44	1034	0.53	0.90	4.4	48.7
33521	Core	7.56	57.4	5.36	31.78	1.49	0.08	3.56	106.9	1.57	1367	0.38	0.93	3.2	50.8
33522	Core	9.38	51.3	5.88	34.32	1.56	0.08	3.78	119.5	1.66	916	0.27	0.99	3.3	54.4
33523	Core	7.85	58.2	5.30	33.25	1.58	0.07	3.72	110.7	1.42	748	0.65	0.93	3.7	48.1
33524	Core	6.36	52.8	4.99	32.43	1.61	0.06	3.76	84.4	1.33	649	0.47	0.97	5.0	44.8
33525	Core	6.38	47.9	5.58	29.59	1.64	0.07	3.69	92.8	1.56	1230	0.44	0.85	4.7	47.5
33526	Core	7.07	52.6	4.72	33.52	1.69	0.07	3.90	88.4	1.18	491	0.38	1.00	3.9	43.0

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Northern Tiger Resources
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Edmonton, T5S 1K7

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Sample Description	Sample Type	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005
33477	Core	263	25.7	0.004	2.81	15.7	1.128	<1.0	174.1	2.2	154.3	0.34	<0.05	12.4	0.113
33478	Core	264	24.9	0.004	2.95	17.6	1.140	<1.0	169.7	2.4	153.8	0.38	<0.05	14.0	0.126
33479	Core	<10	2.2	0.004	0.09	0.4	<0.01	<1.0	2.0	<0.2	48.5	0.08	<0.05	<0.2	<0.005
33480	Core	174	55.7	0.005	5.21	14.9	2.818	<1.0	171.9	2.4	202.7	0.31	<0.05	12.3	0.118
33481	Core	140	43.9	0.002	3.27	14.3	1.963	<1.0	145.4	2.0	163.9	0.26	<0.05	11.1	0.085
33482	Core	279	51.2	0.003	5.77	15.5	2.608	<1.0	165.1	2.5	186.8	0.28	<0.05	12.1	0.098
33483	Core	220	55.1	0.004	6.23	16.7	2.568	<1.0	181.8	2.5	215.9	0.30	<0.05	11.7	0.110
33484	Core	144	51.0	0.003	6.97	16.6	2.315	<1.0	167.2	2.4	205.8	0.34	<0.05	12.5	0.113
33485	Core	609	34.1	<0.002	6.04	14.0	1.847	<1.0	156.6	2.1	189.2	0.17	<0.05	10.7	0.068
33486	Core	316	22.5	<0.002	4.84	15.8	1.430	<1.0	186.6	2.5	149.4	0.33	<0.05	12.7	0.111
33487	Core	320	27.7	0.003	6.13	17.9	1.625	<1.0	189.7	2.8	195.5	0.34	<0.05	13.7	0.114
33488	Core	287	23.0	0.002	4.40	17.2	0.881	<1.0	188.2	2.5	197.5	0.43	<0.05	13.0	0.143
33489	Core	279	27.1	<0.002	4.90	18.9	0.955	<1.0	191.0	2.6	208.5	0.42	<0.05	13.4	0.140
33490	Core	404	30.8	<0.002	5.56	16.7	1.452	<1.0	217.1	2.6	241.3	0.45	<0.05	12.8	0.113
33491	Core	219	31.0	<0.002	1.66	14.2	0.379	<1.0	187.3	2.3	189.3	0.37	<0.05	14.5	0.114
33492	Core	162	13.6	<0.002	0.31	2.7	<0.01	<1.0	20.6	0.5	20.6	0.09	<0.05	3.2	0.028
33493	Core	218	29.7	0.003	0.28	15.9	<0.01	<1.0	147.0	2.2	180.6	0.45	<0.05	18.0	0.129
33494	Core	297	18.6	0.002	0.17	15.4	<0.01	<1.0	133.5	2.1	192.9	0.41	<0.05	15.4	0.127
33495	Core	303	15.5	<0.002	0.24	16.7	<0.01	<1.0	141.7	2.3	196.7	0.44	<0.05	15.1	0.144
33496	Core	1051	17.9	0.002	0.72	15.6	0.010	<1.0	133.8	2.2	222.8	0.37	<0.05	16.1	0.113
33497	Core	555	25.3	<0.002	1.21	16.7	0.021	<1.0	149.7	2.2	205.7	0.42	<0.05	16.2	0.130
33498	Core	369	41.6	<0.002	0.44	16.9	0.070	<1.0	159.0	2.2	221.1	0.40	<0.05	17.2	0.133
33499	Core	446	21.8	<0.002	0.28	18.1	0.065	<1.0	160.5	2.3	237.3	0.41	<0.05	17.7	0.129
33500	Core	445	28.3	<0.002	0.39	18.2	0.099	<1.0	156.4	2.2	227.2	0.36	<0.05	16.4	0.115
33501	Core	364	40.6	0.003	0.36	15.6	0.108	<1.0	147.6	2.1	209.1	0.43	<0.05	17.9	0.126
33502	Core	469	32.0	<0.002	0.31	16.5	0.096	<1.0	133.7	2.2	230.2	0.35	<0.05	14.9	0.111
33503	Core	343	23.1	0.004	0.69	17.7	0.292	<1.0	161.4	2.2	251.8	0.28	<0.05	13.0	0.099
33504	Core	528	26.5	<0.002	0.48	15.1	0.167	<1.0	157.7	2.1	242.6	0.34	<0.05	14.3	0.117
33505	Core	520	14.2	0.003	0.78	12.4	0.279	<1.0	124.5	1.8	258.8	0.32	<0.05	11.6	0.098
33506	Core	338	26.0	0.003	1.03	14.8	0.358	<1.0	157.6	2.1	243.2	0.36	<0.05	13.5	0.119
33507	Core	995	13.6	0.003	0.34	13.7	0.096	<1.0	128.3	1.7	218.4	0.29	<0.05	12.2	0.097
33508	Core	539	13.8	<0.002	0.32	15.3	0.100	<1.0	150.1	2.1	244.3	0.32	<0.05	13.7	0.114
33509	Core	421	10.7	<0.002	0.32	15.7	0.083	<1.0	180.8	2.2	252.3	0.33	<0.05	15.6	0.119
33510	Core	585	18.1	0.003	0.35	17.0	0.092	<1.0	177.6	2.2	252.8	0.34	<0.05	15.7	0.108
33511	Core	1281	20.4	0.003	0.91	15.0	0.305	<1.0	154.2	2.1	215.4	0.25	<0.05	14.5	0.090
33512	Core	845	31.3	<0.002	0.40	14.5	0.223	<1.0	140.4	1.9	212.4	0.27	<0.05	14.3	0.088
33513	Core	301	14.1	<0.002	0.17	16.2	<0.01	<1.0	180.3	2.5	235.0	0.42	<0.05	17.3	0.143
33514	Core	640	12.8	0.002	0.21	16.3	0.026	<1.0	156.4	2.2	226.6	0.29	<0.05	15.9	0.101
33515	Core	538	13.7	<0.002	0.19	16.4	0.013	<1.0	162.9	2.5	234.8	0.33	<0.05	17.6	0.107
33516	Pulp	4085	6.0	0.041	18.62	5.4	1.289	<1.0	119.5	1.8	148.7	0.47	<0.05	5.6	0.179

INSPECTORATE
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12-360-05475-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005
33517	Core	715	15.0	0.003	0.29	15.4	0.111	<1.0	153.3	2.1	221.6	0.41	<0.05	16.6	0.137
33518	Core	319	23.3	<0.002	0.39	17.8	0.094	<1.0	167.8	2.2	248.7	0.25	<0.05	14.7	0.083
33519	Core	410	48.0	<0.002	0.31	18.7	0.149	<1.0	169.4	2.3	233.4	0.35	<0.05	18.8	0.118
33520	Core	502	32.9	<0.002	0.96	16.8	0.373	<1.0	156.6	2.2	216.2	0.35	<0.05	15.2	0.114
33521	Core	575	27.3	<0.002	0.76	15.8	0.285	<1.0	149.7	2.1	217.2	0.29	<0.05	13.4	0.098
33522	Core	328	15.0	<0.002	0.61	16.6	0.229	<1.0	168.0	2.1	223.5	0.30	<0.05	15.8	0.101
33523	Core	400	16.9	<0.002	0.54	15.4	0.258	<1.0	154.7	2.3	217.8	0.33	<0.05	15.6	0.112
33524	Core	855	26.8	<0.002	1.04	15.8	0.498	<1.0	138.7	2.1	220.5	0.59	<0.05	13.9	0.146
33525	Core	289	21.6	<0.002	0.75	18.7	0.306	<1.0	149.2	2.2	206.6	0.41	<0.05	15.8	0.121
33526	Core	599	34.5	<0.002	0.64	16.7	0.429	<1.0	163.2	2.3	222.8	0.33	<0.05	13.2	0.118

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-381

Sample Description	Sample Type	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33477	Core	1.10	3.3	88	1.5	6.7	108	80.9
33478	Core	1.09	3.8	88	1.7	6.8	114	85.7
33479	Core	<0.02	0.8	2	0.1	0.9	17	0.5
33480	Core	1.17	3.5	92	1.7	6.4	97	80.8
33481	Core	1.01	3.0	72	0.8	5.4	96	75.4
33482	Core	1.11	3.2	83	1.0	5.8	103	75.1
33483	Core	1.10	3.2	84	1.3	6.4	111	81.5
33484	Core	1.11	3.3	76	1.8	6.9	104	77.3
33485	Core	0.99	3.0	72	2.5	6.0	97	68.2
33486	Core	1.17	3.5	86	4.6	5.8	120	85.0
33487	Core	1.25	3.7	90	5.5	7.1	105	82.8
33488	Core	1.10	3.2	100	2.4	6.0	110	83.9
33489	Core	1.13	3.6	90	1.8	6.3	114	79.2
33490	Core	1.24	3.5	97	1.5	5.6	108	73.5
33491	Core	1.12	3.8	102	1.8	6.7	121	93.5
33492	Core	0.13	0.8	14	2.2	2.1	29	18.9
33493	Core	0.89	4.4	80	0.7	8.8	128	89.8
33494	Core	0.90	3.3	83	0.6	7.8	130	92.2
33495	Core	0.84	3.5	84	0.7	8.6	129	99.2
33496	Core	0.86	3.3	79	0.9	9.1	100	85.0
33497	Core	0.86	4.2	85	0.6	7.2	113	86.4
33498	Core	0.87	4.0	87	0.6	8.7	116	88.0
33499	Core	0.86	4.0	88	0.6	9.6	124	89.8
33500	Core	0.94	4.0	86	0.6	8.6	129	92.0
33501	Core	0.88	4.6	85	0.7	8.7	117	85.9
33502	Core	0.88	3.6	81	0.6	8.5	123	91.6
33503	Core	0.87	3.5	82	0.6	9.1	121	83.7
33504	Core	0.92	3.3	83	0.7	8.4	104	82.2
33505	Core	0.74	3.2	64	0.5	9.6	90	64.4
33506	Core	0.85	3.6	77	0.6	8.0	113	79.6
33507	Core	0.71	3.1	66	0.6	10.0	101	70.3
33508	Core	0.77	3.4	73	0.5	9.1	107	72.2
33509	Core	0.92	3.7	81	0.6	9.9	119	89.0
33510	Core	0.89	3.8	89	0.5	9.4	124	90.5
33511	Core	0.87	3.6	95	0.5	9.4	112	87.6
33512	Core	0.88	4.5	86	0.6	8.8	114	78.1
33513	Core	0.90	3.7	94	0.6	9.3	129	94.9
33514	Core	0.84	3.5	94	0.4	8.7	114	87.5
33515	Core	0.89	3.5	87	0.5	8.6	126	86.1
33516	Pulp	14.23	7.0	389	34.4	26.5	290	74.0

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12-360-05475-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33517	Core	0.92	4.1	94	0.7	8.4	119	86.3
33518	Core	0.96	3.8	92	0.4	9.3	131	88.7
33519	Core	1.04	4.5	97	0.5	8.8	132	90.5
33520	Core	0.86	3.5	85	0.6	9.4	120	88.7
33521	Core	0.82	3.6	86	0.5	8.2	119	85.0
33522	Core	0.91	4.4	94	0.5	8.4	136	86.9
33523	Core	0.95	3.8	91	0.5	8.5	125	92.5
33524	Core	0.87	3.7	92	0.7	9.0	113	91.3
33525	Core	0.84	3.6	85	0.6	10.0	115	103.5
33526	Core	0.86	3.4	92	0.8	9.4	106	94.8

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Northern Tiger Resources
#220 17010 103rd Ave
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Vol 2-383

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1
33477	Core			0.08	49.29	2.3	22.5	>10	30.7	781	2.79	0.45	0.13	21.1	103
33477 Dup				0.08	50.58	2.8	27.1	>10	33.7	871	3.14	0.51	0.15	20.6	111
QCV1208-00670-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.02	<0.1	<1
STD-DS-1 expected				0.47				4.48	6930.0	221				9.5	
STD-DS-1 result				0.54				4.10	6799.0	209				10.2	
33495	Core			0.10	76.00	2.6	35.7	>10	20.8	506	3.54	0.44	0.13	18.4	101
33495 Dup				0.05	78.37	2.5	35.7	>10	19.9	485	3.17	0.45	0.11	17.1	97
QCV1208-00670-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.02	<0.1	<1
STD-DS-1 expected				0.47				4.48	6930.0	221				9.5	
STD-DS-1 result				0.55				4.55	6726.0	233				11.0	
33513	Core			0.02	109.68	2.5	51.8	>10	14.0	559	3.35	0.13	0.12	12.5	103
33513 Dup				<0.01	101.79	2.5	49.0	>10	13.9	553	3.35	0.13	0.11	12.1	104
QCV1208-00670-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.02	<0.1	<1
QCV1208-00670-0009-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.02	<0.1	<1
STD-DS-1 expected				0.47				4.48	6930.0	221				9.5	
STD-DS-1 result				0.45				4.27	6838.8	203				9.5	
33477	Core		<0.1												
33477 Dup			<0.1												
QCV1208-00671-0002-BLK			<0.1												
STD-OREAS92-2A expected			0.7												
STD-OREAS92-2A result			0.7												
33495	Core		<0.1												
33495 Dup			<0.1												
QCV1208-00671-0005-BLK			<0.1												
STD-Oreas501 expected			0.7												
STD-Oreas501 result			0.5												
33513	Core		<0.1												
33513 Dup			<0.1												
QCV1208-00671-0008-BLK			<0.1												
QCV1208-00671-0009-BLK			<0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			0.2												
33477	Core	0.015													
33477 Dup		0.014													
QCV1208-00672-0002-BLK		<0.005													
33503	Core	<0.005													
33503 Dup		<0.005													
STD-Oxi96 expected		1.802													
STD-Oxi96 result		1.734													
QCV1208-00672-0005-BLK		<0.005													

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1	Cr 50-4A-UT ppm 1
QCV1208-00672-0006-BLK		<0.005													
STD-Oxi96 expected		1.802													
STD-Oxi96 result		1.803													

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12-360-05475-01

Northern Tiger Resources
#220 17010 103rd Ave
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Vol 2-385

Sample Description	Sample Type	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1	Ni 50-4A-UT ppm 0.2
33477	Core	7.73	51.6	5.36	28.40	1.64	0.06	4.40	77.5	1.17	515	1.09	0.41	3.5	44.7
33477 Dup		8.56	52.5	4.85	31.90	1.75	0.07	4.20	87.6	1.17	531	1.14	0.37	3.7	46.8
QCV1208-00670-0002-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-DS-1 expected			27.1							2.76	437				48.7
STD-DS-1 result			27.0							2.57	454				47.9
33495	Core	7.01	57.7	5.04	34.12	1.91	0.07	3.35	118.6	1.20	535	0.22	0.97	5.5	54.2
33495 Dup		6.68	54.5	4.93	33.21	1.86	0.07	3.36	111.4	1.25	500	0.15	0.95	4.9	51.3
QCV1208-00670-0005-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-DS-1 expected			27.1							2.76	437				48.7
STD-DS-1 result			29.2							2.90	491				53.4
33513	Core	11.33	56.6	4.92	37.63	1.76	0.08	3.95	120.5	1.31	340	0.33	1.10	5.4	53.3
33513 Dup		10.87	48.2	4.89	33.62	1.71	0.07	3.89	117.7	1.34	353	0.34	1.11	5.0	46.8
QCV1208-00670-0008-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
QCV1208-00670-0009-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2
STD-DS-1 expected			27.1							2.76	437				48.7
STD-DS-1 result			25.8							2.74	408				46.1

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Certificate of Analysis

12-360-05475-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-386

Sample Description	Sample Type	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2	Ti 50-4A-UT % 0.005
33477	Core	263	25.7	0.004	2.81	15.7	1.128	<1.0	174.1	2.2	154.3	0.34	<0.05	12.4	0.113
33477 Dup		221	27.8	0.003	2.97	17.5	1.100	<1.0	172.9	2.5	159.2	0.37	<0.05	15.3	0.121
QCV1208-00670-0002-BLK		<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
STD-DS-1 expected		340	13.8												
STD-DS-1 result		362	12.8												
33495	Core	303	15.5	<0.002	0.24	16.7	<0.01	<1.0	141.7	2.3	196.7	0.44	<0.05	15.1	0.144
33495 Dup		300	15.0	<0.002	0.21	15.8	<0.01	<1.0	139.1	2.2	179.9	0.42	<0.05	14.4	0.141
QCV1208-00670-0005-BLK		<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
STD-DS-1 expected		340	13.8												
STD-DS-1 result		339	14.2												
33513	Core	301	14.1	<0.002	0.17	16.2	<0.01	<1.0	180.3	2.5	235.0	0.42	<0.05	17.3	0.143
33513 Dup		292	12.9	<0.002	0.15	17.4	<0.01	<1.0	166.1	2.2	230.4	0.40	<0.05	18.5	0.121
QCV1208-00670-0008-BLK		<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
QCV1208-00670-0009-BLK		<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005
STD-DS-1 expected		340	13.8												
STD-DS-1 result		330	11.8												

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33477	Core	1.10	3.3	88	1.5	6.7	108	80.9
33477 Dup		1.23	3.6	85	1.7	7.3	113	87.2
QCV1208-00670-0002-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected		20.00					206	
STD-DS-1 result		18.65					202	
33495	Core	0.84	3.5	84	0.7	8.6	129	99.2
33495 Dup		0.78	3.3	84	0.6	8.0	122	91.8
QCV1208-00670-0005-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected		20.00					206	
STD-DS-1 result		18.91					218	
33513	Core	0.90	3.7	94	0.6	9.3	129	94.9
33513 Dup		0.91	3.9	96	0.5	8.8	121	87.9
QCV1208-00670-0008-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
QCV1208-00670-0009-BLK		<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected		20.00					206	
STD-DS-1 result		19.52					191	

Certificate of Analysis

12-360-05477-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
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EMail: ghayes@northern-tiger.com

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Attention: Dennis Ouellette
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Attention: Bonnie Spence
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Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-014**
Client Reference: **Core-12-014**
Description: **3 ACE**

Date Received: 08/08/2012
Date Completed: 08/17/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	50	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg

Location	Quantity	Method	Description
Vancouver, BC	50	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	50	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	50	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota -- Operations Manager

Vol 2-388

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Certificate of Analysis

12-360-05477-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-389

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33527	Core	0.006	<0.1	0.13	49.80	2.6	25.3	>10	48.8	564	3.61	0.71	0.61	0.15	35.9
33528	Core	<0.005	<0.1	0.13	60.53	2.6	27.7	>10	34.8	558	2.99	0.50	0.66	0.14	26.8
33529	Core	<0.005	<0.1	<0.01	47.05	2.0	22.0	9.97	17.6	361	2.34	0.25	1.41	0.11	11.7
33530	Core	<0.005	0.1	0.27	55.37	3.0	28.2	>10	29.3	612	3.84	0.46	0.60	0.12	18.1
33531	Core	<0.005	<0.1	0.03	65.11	2.6	34.5	>10	21.1	561	3.20	0.39	0.53	0.14	13.8
33532	Core	0.006	0.3	0.48	61.17	2.6	32.6	>10	27.2	515	2.89	0.38	1.88	0.16	20.0
33533	Core	0.005	29.2	33.36	68.88	1.9	34.6	>10	24.7	610	2.72	0.39	1.10	0.15	16.8
33534	Core	<0.005	0.4	0.73	76.57	3.0	39.8	>10	21.2	551	3.26	0.55	0.40	0.13	17.2
33535	Core	<0.005	<0.1	0.11	45.40	2.4	23.0	>10	22.4	496	2.75	0.42	1.47	0.13	14.6
33536	Core	<0.005	<0.1	0.07	78.48	2.5	41.1	>10	25.0	493	3.01	0.67	0.89	0.13	15.0
33537	Core	<0.005	<0.1	0.08	94.19	2.4	48.0	>10	16.8	535	2.94	0.37	1.23	0.13	9.1
33538	Core	0.007	<0.1	0.08	44.30	2.1	23.2	>10	37.4	510	2.73	0.46	2.86	0.17	20.8
33539	Core	<0.005	<0.1	<0.01	53.42	1.9	27.6	>10	27.1	540	2.56	0.38	3.00	0.21	13.0
33540	Core	<0.005	<0.1	<0.01	31.64	2.3	16.8	>10	28.9	548	2.92	0.41	1.21	0.13	20.1
33541	Core	<0.005	<0.1	0.23	70.53	2.2	38.2	>10	20.7	506	2.80	0.41	0.91	0.12	14.0
33542	Core	<0.005	<0.1	0.31	75.79	2.5	40.0	>10	39.9	479	2.77	0.44	1.54	0.14	18.2
33543	Core	<0.005	<0.1	0.15	74.14	2.7	39.9	>10	20.4	450	2.49	0.43	0.70	0.13	15.4
33544	Core	<0.005	<0.1	0.53	82.41	2.5	43.6	>10	19.3	493	3.09	0.38	0.32	0.13	15.9
33545	Core	<0.005	<0.1	0.01	84.69	2.7	44.2	>10	18.8	482	2.69	0.42	0.69	0.13	15.0
33546	Core	0.066	0.1	0.03	70.50	2.3	37.4	>10	236.5	600	3.27	0.35	0.31	0.14	14.8
33547	Core	1.147	<0.1	1.09	28.28	1.6	14.1	4.43	1513.1	171	1.10	0.17	0.31	0.06	5.6
33548	Core	0.325	0.3	0.17	39.01	2.5	21.8	>10	469.2	745	3.24	0.40	0.18	0.88	15.9
33549	Core	<0.005	30.5	0.64	24.53	2.3	12.2	8.70	44.1	442	2.20	0.22	0.19	0.11	14.5
33550	Core	0.064	0.4	0.18	22.21	1.8	10.4	4.78	228.5	209	1.25	0.14	0.14	0.87	5.8
33551	Core	1.175	<0.1	1.30	22.04	1.6	10.4	2.99	2234.6	91	0.57	0.07	0.04	2.20	1.2
33552	Core	<0.005	<0.1	0.21	0.93	<0.1	0.7	0.07	33.9	171	<0.05	0.02	>10	0.07	<0.1
33553	Core	1.538	<0.1	1.20	18.69	1.2	8.3	2.80	2855.9	86	0.54	0.07	0.07	2.22	1.2
33554	Core	0.224	<0.1	0.41	19.29	1.4	9.6	2.99	1885.1	103	0.64	0.05	0.06	0.71	2.3
33555	Core	0.007	<0.1	<0.01	21.21	1.4	10.4	2.74	104.8	77	0.38	0.04	0.13	0.49	1.4
33556	Core	0.123	<0.1	4.86	18.56	1.3	8.9	2.73	2852.5	75	0.31	0.19	0.15	28.51	1.2
33557	Core	0.028	<0.1	0.14	44.39	2.1	19.5	3.48	88.9	134	0.54	0.06	0.27	0.24	3.3
33558	Core	<0.005	<0.1	0.24	75.41	2.4	39.3	>10	30.4	738	2.97	0.43	0.16	0.15	16.8
33559	Core	<0.005	<0.1	<0.01	89.90	2.3	46.4	>10	23.9	795	2.93	0.33	0.15	0.13	15.7
33560	Core	<0.005	0.5	0.06	81.48	2.8	42.6	>10	22.6	815	3.08	0.42	0.13	0.13	16.6
33561	Core	<0.005	0.2	0.01	65.26	2.5	32.6	>10	23.8	797	2.89	0.38	0.12	0.13	17.6
33562	Core	<0.005	<0.1	<0.01	63.56	2.4	29.2	>10	23.3	825	3.00	0.38	0.12	0.15	17.8
33563	Core	<0.005	<0.1	0.04	66.16	2.5	30.4	>10	22.0	806	2.83	0.41	0.19	0.14	16.8
33564	Core	<0.005	<0.1	0.16	66.26	2.4	31.8	>10	33.4	748	3.02	0.43	0.16	0.15	19.2
33565	Core	0.023	<0.1	0.04	59.16	2.4	31.2	>10	47.1	750	2.95	0.45	0.12	0.15	18.5
33566	Core	<0.005	<0.1	<0.01	54.65	2.5	23.7	>10	24.7	782	3.04	0.36	0.11	0.13	17.2

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Certificate of Analysis

12-360-05477-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33567	Core	<0.005	<0.1	0.11	61.06	2.3	33.1	>10	29.4	712	2.79	0.32	0.14	0.12	17.6
33568	Core	<0.005	<0.1	0.04	74.75	2.6	40.6	>10	29.4	672	2.80	0.40	0.14	0.13	18.4
33569	Core	<0.005	<0.1	0.09	80.00	2.6	43.3	>10	29.8	810	3.14	0.39	0.14	0.13	18.3
33570	Core	<0.005	<0.1	0.03	83.87	2.8	48.0	>10	30.8	820	3.08	0.44	0.14	0.14	19.5
33571	Core	<0.005	<0.1	0.27	78.59	2.7	43.7	>10	31.1	796	3.05	0.40	0.14	0.14	19.5
33572	Core	<0.005	<0.1	0.09	79.62	2.8	42.4	>10	29.8	776	2.94	0.39	0.15	0.13	18.4
33573	Core	<0.005	<0.1	<0.01	76.60	2.6	40.8	>10	21.2	770	2.94	0.37	0.12	0.14	18.4
33574	Core	<0.005	<0.1	0.82	62.95	2.5	34.2	>10	25.6	805	2.65	0.37	0.15	0.13	20.9
33575	Core	<0.005	<0.1	0.27	71.64	2.6	37.3	>10	28.4	843	3.15	0.42	0.10	0.12	16.9
33576	Core	<0.005	<0.1	0.06	75.94	2.6	37.6	>10	35.3	749	2.73	0.34	0.15	0.13	18.1

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Certificate of Analysis

12-360-05477-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-391

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33527	Core	105	7.41	56.8	4.92	34.13	1.64	0.07	3.92	90.0	1.13	440	0.54	0.97	4.8
33528	Core	116	7.53	55.2	5.53	32.21	1.84	0.08	3.85	97.6	1.36	405	0.45	0.87	4.7
33529	Core	151	5.65	26.0	4.89	24.95	1.77	0.05	2.74	82.0	1.26	608	0.44	0.63	3.3
33530	Core	121	9.50	60.4	5.50	35.72	1.63	0.08	4.51	103.7	1.44	592	0.44	0.94	4.3
33531	Core	100	8.25	58.1	5.19	34.14	1.72	0.08	3.92	93.1	1.36	483	0.40	0.84	4.7
33532	Core	100	6.82	59.6	5.98	31.80	1.67	0.07	3.76	84.7	1.65	1513	0.37	0.75	6.8
33533	Core	109	8.01	122.2	5.35	33.04	1.66	0.08	3.72	93.9	1.49	926	0.51	0.79	6.3
33534	Core	106	6.81	59.4	5.16	34.17	1.71	0.07	3.85	101.1	1.33	392	0.42	0.90	5.3
33535	Core	88	6.37	51.8	5.34	30.18	1.67	0.07	3.15	82.3	1.56	906	0.48	0.84	3.0
33536	Core	87	6.79	57.7	5.17	29.92	1.64	0.07	3.35	92.3	1.44	677	0.54	0.77	4.8
33537	Core	92	6.42	63.7	5.10	29.73	1.76	0.07	3.77	84.5	1.54	930	0.16	0.83	5.2
33538	Core	104	6.49	48.9	5.04	28.79	1.54	0.07	3.72	64.1	1.10	795	0.66	0.90	3.8
33539	Core	94	6.73	44.8	4.87	28.48	1.52	0.06	3.91	61.1	1.14	978	0.39	0.96	3.8
33540	Core	89	8.48	52.0	5.25	30.37	1.50	0.07	3.74	70.8	1.20	1006	0.47	0.94	3.0
33541	Core	90	6.83	55.6	5.27	31.14	1.49	0.07	3.48	90.8	1.34	825	0.36	0.94	4.0
33542	Core	100	11.21	55.6	6.53	30.75	1.17	0.07	2.88	78.0	1.42	599	1.01	0.70	16.9
33543	Core	86	6.63	52.0	5.58	29.28	1.54	0.07	3.32	93.3	1.37	569	0.42	0.96	4.3
33544	Core	97	7.40	57.4	5.06	34.24	1.75	0.07	3.29	98.0	1.21	403	0.46	0.97	4.8
33545	Core	91	7.39	60.0	5.60	33.26	1.55	0.07	3.27	86.4	1.31	719	0.39	0.89	3.4
33546	Core	110	10.45	57.0	4.69	32.94	1.57	0.07	3.04	66.2	1.05	438	0.39	0.73	3.9
33547	Core	173	8.16	13.8	2.58	11.49	1.38	0.02	1.31	25.6	0.42	425	0.45	0.08	1.5
33548	Core	116	28.60	53.2	4.27	33.78	1.50	0.08	5.15	44.0	0.64	538	0.53	0.34	3.4
33549	Core	128	9.51	30.7	4.85	24.32	1.28	0.05	2.93	27.6	0.47	1002	0.48	0.18	2.2
33550	Core	173	8.66	18.7	2.29	12.91	1.48	0.05	1.45	15.0	0.19	572	0.51	0.08	1.5
33551	Core	183	5.07	4.4	1.39	7.28	1.44	0.06	0.88	6.1	0.11	304	0.49	0.03	1.1
33552	Core	9	0.43	<0.2	0.45	0.33	<0.05	0.01	0.05	<0.2	>10	198	0.13	<0.01	0.2
33553	Core	191	4.75	4.9	1.38	6.74	1.60	0.06	0.71	6.5	0.12	312	0.52	0.03	0.8
33554	Core	167	10.17	5.9	1.51	6.96	1.32	0.03	0.78	8.6	0.13	379	0.44	0.04	0.9
33555	Core	186	6.83	5.1	1.25	6.50	1.16	0.02	0.51	17.6	0.21	252	0.54	0.03	1.1
33556	Core	190	2.56	5.8	1.51	5.82	1.12	0.58	0.55	20.8	0.19	321	0.52	0.03	0.9
33557	Core	189	3.09	9.3	1.25	9.20	1.24	0.02	0.91	20.7	0.25	337	0.64	0.05	1.5
33558	Core	113	9.56	58.5	4.84	35.12	1.69	0.07	4.41	76.5	0.96	514	0.51	0.50	3.9
33559	Core	113	6.21	58.0	5.14	35.93	1.62	0.07	4.59	93.5	1.18	581	0.43	0.76	3.5
33560	Core	110	7.45	53.9	5.05	34.77	1.70	0.07	4.24	96.5	1.13	559	0.46	0.71	3.6
33561	Core	111	7.93	66.1	4.76	35.63	1.67	0.07	4.11	94.1	1.07	558	0.38	0.66	2.8
33562	Core	126	7.05	59.9	5.27	37.78	1.79	0.07	4.24	99.1	1.17	604	0.45	0.73	3.0
33563	Core	110	6.72	51.6	5.37	34.56	1.64	0.07	4.10	86.4	1.12	581	0.37	0.69	2.7
33564	Core	129	7.86	70.8	5.84	35.82	1.59	0.06	3.88	82.9	1.08	679	0.41	0.63	3.1
33565	Core	136	6.73	56.0	5.61	36.72	1.65	0.07	4.29	79.0	1.08	594	0.43	0.67	2.4
33566	Core	111	6.54	56.2	5.17	38.23	1.68	0.06	4.36	92.6	1.12	571	0.41	0.73	2.6

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12-360-05477-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33567	Core	118	7.63	54.4	5.71	35.25	1.48	0.07	3.97	86.8	1.04	648	0.43	0.65	2.2
33568	Core	123	6.59	53.3	5.64	34.10	1.63	0.07	4.23	93.6	1.19	657	0.44	0.66	2.8
33569	Core	127	7.24	59.9	4.82	37.12	1.68	0.07	4.35	94.5	1.11	652	0.37	0.64	4.2
33570	Core	130	6.93	66.0	5.18	38.46	1.73	0.07	4.49	103.0	1.14	653	0.43	0.67	3.9
33571	Core	126	7.15	58.7	4.86	39.60	1.80	0.07	4.66	87.9	1.12	661	0.40	0.73	3.6
33572	Core	129	6.67	58.6	5.16	36.57	1.68	0.06	4.28	91.8	1.06	700	0.40	0.61	3.8
33573	Core	119	6.85	54.2	5.70	36.60	1.61	0.07	4.54	87.5	1.20	640	0.35	0.63	3.8
33574	Core	113	6.95	55.8	5.51	36.58	1.56	0.07	4.30	89.2	1.17	639	0.38	0.55	2.8
33575	Core	127	6.83	56.5	5.28	37.48	1.56	0.07	5.04	86.8	1.15	557	0.42	0.58	3.2
33576	Core	117	6.61	51.2	5.42	36.40	1.60	0.07	4.53	80.3	1.16	633	0.42	0.47	4.2

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-393

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33527	Core	48.8	474	33.2	<0.002	1.89	16.1	0.893	<1.0	165.6	2.4	225.5	0.37	<0.05	12.3
33528	Core	53.7	932	36.5	<0.002	1.16	16.1	0.408	<1.0	150.3	2.3	198.1	0.37	<0.05	15.3
33529	Core	37.2	586	11.9	<0.002	0.33	11.5	0.082	<1.0	107.4	1.7	169.7	0.24	<0.05	12.2
33530	Core	47.9	676	19.0	<0.002	0.66	20.4	0.233	<1.0	187.2	2.6	224.8	0.36	<0.05	16.5
33531	Core	46.7	667	19.3	<0.002	0.55	16.7	0.155	<1.0	160.1	2.2	189.2	0.33	<0.05	14.6
33532	Core	46.5	486	24.3	<0.002	1.19	16.5	0.316	<1.0	150.6	2.2	173.4	0.46	<0.05	13.8
33533	Core	68.9	731	20.2	0.005	0.87	16.9	0.220	<1.0	152.1	2.5	192.4	0.47	<0.05	14.6
33534	Core	49.0	701	30.8	<0.002	0.57	18.5	0.131	<1.0	161.6	2.4	204.3	0.43	<0.05	17.2
33535	Core	41.9	692	19.2	<0.002	0.61	15.6	0.147	<1.0	116.1	2.1	197.1	0.25	<0.05	12.3
33536	Core	44.5	609	23.3	0.002	0.62	17.3	0.124	<1.0	145.0	2.3	185.5	0.37	<0.05	15.5
33537	Core	44.5	549	20.5	<0.002	0.19	16.5	0.017	<1.0	153.2	2.2	188.4	0.38	<0.05	15.0
33538	Core	44.8	329	28.2	<0.002	2.19	13.6	1.829	<1.0	149.2	2.0	226.5	0.32	<0.05	10.8
33539	Core	38.5	462	21.2	<0.002	1.05	14.3	1.730	<1.0	146.9	2.1	241.8	0.32	<0.05	11.9
33540	Core	45.2	825	23.8	<0.002	1.46	14.5	1.639	<1.0	151.0	2.1	213.1	0.27	<0.05	11.6
33541	Core	45.8	538	23.7	<0.002	0.40	16.1	0.079	<1.0	137.5	2.1	210.5	0.31	<0.05	14.3
33542	Core	52.7	1116	49.9	<0.002	0.83	15.6	0.404	<1.0	104.7	2.2	200.5	1.09	<0.05	13.8
33543	Core	43.7	1165	20.9	<0.002	0.63	14.4	0.114	<1.0	126.8	2.0	195.0	0.35	<0.05	16.0
33544	Core	48.7	741	28.4	<0.002	0.88	17.0	0.089	<1.0	137.9	2.2	212.1	0.36	<0.05	16.0
33545	Core	46.7	1083	16.5	<0.002	0.54	15.4	0.059	<1.0	133.7	2.0	179.1	0.32	<0.05	16.0
33546	Core	43.1	683	32.2	<0.002	1.29	17.4	0.268	<1.0	119.8	2.4	164.1	0.30	<0.05	14.7
33547	Core	19.6	283	20.1	<0.002	2.39	4.6	0.326	<1.0	56.5	0.7	32.9	0.13	<0.05	8.9
33548	Core	42.7	418	64.2	<0.002	3.49	18.0	0.708	<1.0	209.6	2.9	115.8	0.27	<0.05	14.7
33549	Core	34.2	254	88.3	<0.002	1.45	11.5	0.175	<1.0	120.9	1.7	53.9	0.16	<0.05	11.1
33550	Core	18.0	331	137.2	<0.002	1.61	5.4	0.392	<1.0	63.9	1.5	26.8	0.13	<0.05	10.1
33551	Core	9.2	66	109.8	<0.002	2.70	2.2	0.676	<1.0	39.1	4.3	9.8	0.10	<0.05	8.7
33552	Core	9.7	<10	4.1	<0.002	0.15	0.2	<0.01	<1.0	1.5	0.2	45.1	<0.05	<0.05	<0.2
33553	Core	15.5	50	193.7	<0.002	3.35	1.9	0.660	<1.0	35.1	4.4	9.1	0.08	<0.05	7.1
33554	Core	8.9	102	239.2	<0.002	2.65	2.4	0.573	<1.0	35.0	2.0	13.9	0.08	<0.05	7.7
33555	Core	9.8	142	43.3	<0.002	0.83	1.9	0.231	<1.0	23.5	1.0	14.2	0.08	<0.05	7.3
33556	Core	8.6	95	2541.7	<0.002	6.63	1.8	0.492	<1.0	24.3	1.2	13.9	0.08	<0.05	6.5
33557	Core	10.9	134	28.7	<0.002	1.21	2.8	0.501	<1.0	47.8	2.1	26.6	0.21	<0.05	12.5
33558	Core	45.5	617	25.4	<0.002	1.37	16.8	0.140	<1.0	184.8	2.5	163.4	0.53	<0.05	16.5
33559	Core	46.5	594	34.6	0.002	0.84	17.3	0.088	<1.0	170.5	2.6	224.6	0.36	<0.05	17.4
33560	Core	48.0	569	28.5	<0.002	0.88	18.2	0.109	<1.0	179.7	2.4	220.3	0.33	<0.05	18.5
33561	Core	52.1	475	29.2	<0.002	0.82	16.6	0.087	<1.0	179.6	2.4	212.5	0.26	<0.05	16.0
33562	Core	56.0	481	27.4	<0.002	0.75	18.3	0.071	<1.0	184.2	2.6	215.3	0.26	<0.05	15.9
33563	Core	46.5	815	30.0	<0.002	0.76	15.7	0.074	<1.0	172.5	2.5	225.6	0.24	<0.05	16.0
33564	Core	48.1	348	30.6	<0.002	0.92	18.4	0.149	<1.0	173.6	2.7	200.4	0.29	<0.05	15.5
33565	Core	51.9	387	31.0	<0.002	1.04	17.8	0.413	<1.0	181.6	2.2	189.0	0.20	<0.05	14.4
33566	Core	48.4	411	15.3	<0.002	0.71	18.6	0.079	<1.0	170.5	2.3	208.5	0.24	<0.05	15.6

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12-360-05477-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33567	Core	48.2	502	21.9	<0.002	0.81	17.9	0.132	<1.0	163.3	2.3	191.9	0.19	<0.05	14.1
33568	Core	48.4	554	29.4	<0.002	0.69	16.9	0.156	<1.0	162.5	2.1	199.2	0.27	<0.05	16.8
33569	Core	51.6	519	23.9	<0.002	0.88	20.1	0.099	<1.0	186.9	2.5	209.7	0.34	<0.05	16.2
33570	Core	54.0	605	22.2	<0.002	0.81	20.1	0.101	<1.0	196.2	2.4	215.9	0.34	<0.05	18.5
33571	Core	50.3	509	23.5	<0.002	1.06	19.3	0.182	<1.0	202.3	2.3	216.2	0.31	<0.05	16.9
33572	Core	50.3	591	19.7	<0.002	0.89	18.8	0.157	<1.0	181.3	2.3	182.0	0.34	<0.05	16.6
33573	Core	46.7	563	21.3	<0.002	0.86	18.3	0.130	<1.0	182.1	2.3	182.5	0.34	<0.05	15.6
33574	Core	46.5	566	27.5	<0.002	1.03	17.8	0.172	<1.0	179.5	2.3	175.3	0.25	<0.05	15.1
33575	Core	47.5	471	22.3	<0.002	0.96	18.4	0.154	<1.0	187.8	2.4	178.0	0.30	<0.05	17.6
33576	Core	49.1	702	23.4	<0.002	0.94	17.6	0.177	<1.0	194.6	2.4	156.8	0.33	<0.05	15.2

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-395

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33527	Core	0.129	0.79	3.5	87	0.8	8.6	106	103.8
33528	Core	0.136	0.78	4.1	95	0.6	9.9	122	103.0
33529	Core	0.097	0.52	3.1	76	0.4	7.1	93	75.9
33530	Core	0.122	0.90	4.4	109	2.1	9.9	116	111.2
33531	Core	0.120	0.78	3.8	98	0.5	9.5	126	108.3
33532	Core	0.173	0.72	3.4	90	3.3	9.6	115	106.7
33533	Core	0.171	0.75	3.7	92	236.7	9.7	116	111.5
33534	Core	0.144	0.81	4.1	97	2.9	9.9	125	110.5
33535	Core	0.096	0.76	3.3	94	0.7	8.3	113	92.8
33536	Core	0.124	0.75	3.6	86	0.6	8.9	123	94.8
33537	Core	0.152	0.75	3.2	90	0.7	8.4	111	88.2
33538	Core	0.120	0.80	2.8	80	0.9	8.9	100	70.2
33539	Core	0.118	0.82	3.0	81	0.6	7.3	105	69.4
33540	Core	0.092	0.80	3.7	88	0.5	7.8	115	89.8
33541	Core	0.107	0.71	3.5	87	0.6	7.8	117	80.6
33542	Core	0.409	0.70	3.7	118	1.2	9.6	113	100.3
33543	Core	0.131	0.67	3.9	93	0.8	9.4	113	93.2
33544	Core	0.125	0.67	3.5	89	0.8	9.1	119	95.3
33545	Core	0.104	0.71	3.7	90	1.0	9.8	125	91.7
33546	Core	0.112	0.86	3.8	92	2.4	9.3	107	91.6
33547	Core	0.044	0.33	1.6	31	4.1	4.4	51	52.8
33548	Core	0.107	1.06	5.5	92	5.0	7.5	172	101.6
33549	Core	0.063	0.57	2.4	78	7.6	7.3	109	99.5
33550	Core	0.042	0.35	2.1	35	4.9	6.2	123	70.8
33551	Core	0.031	0.22	1.3	19	3.4	3.4	173	55.9
33552	Core	<0.005	<0.02	0.5	1	0.2	0.8	15	0.9
33553	Core	0.024	0.19	0.9	17	3.4	3.0	183	48.8
33554	Core	0.027	0.20	1.1	19	2.7	3.7	65	55.2
33555	Core	0.026	0.17	1.2	17	1.3	3.3	54	53.3
33556	Core	0.025	0.14	1.0	16	1.6	3.0	2002	47.1
33557	Core	0.033	0.25	1.6	24	1.7	5.3	24	76.0
33558	Core	0.116	0.89	4.6	94	2.5	8.6	122	94.4
33559	Core	0.109	0.89	3.8	101	1.5	7.9	121	87.5
33560	Core	0.109	0.89	4.0	95	1.9	8.5	120	103.4
33561	Core	0.087	0.84	4.3	89	1.6	7.9	123	95.6
33562	Core	0.094	0.84	3.6	92	1.4	7.8	133	96.3
33563	Core	0.087	0.84	3.9	90	1.5	8.7	118	92.9
33564	Core	0.090	0.77	4.0	87	2.3	8.0	132	99.2
33565	Core	0.082	0.82	3.7	91	1.9	7.5	142	92.1
33566	Core	0.087	0.86	3.7	95	1.4	7.1	125	87.6

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33567	Core	0.071	0.77	3.5	89	1.9	7.7	114	92.2
33568	Core	0.094	0.87	4.0	95	1.5	8.0	128	91.0
33569	Core	0.116	0.90	4.1	92	1.5	8.7	125	97.0
33570	Core	0.113	0.93	4.4	95	1.5	9.0	128	101.4
33571	Core	0.110	0.92	4.1	94	1.7	9.1	130	100.7
33572	Core	0.110	0.95	4.3	89	1.4	9.5	123	97.1
33573	Core	0.126	0.88	4.2	94	0.9	9.0	133	96.2
33574	Core	0.097	0.84	4.0	89	0.8	9.3	123	97.6
33575	Core	0.114	1.07	4.4	100	1.0	9.0	116	92.4
33576	Core	0.125	0.87	4.1	92	0.9	10.3	123	104.1

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12-360-05477-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-397

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33527	Core			0.13	49.80	2.6	25.3	>10	48.8	564	3.61	0.71	0.61	0.15	35.9
33527 Dup				0.12	50.33	2.8	26.3	>10	51.8	590	3.55	0.74	0.67	0.14	39.0
QCV1208-00667-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101.00											
STD-CDN-ME-6 result				94.84											
33545	Core			0.01	84.69	2.7	44.2	>10	18.8	482	2.69	0.42	0.69	0.13	15.0
33545 Dup				<0.01	86.95	2.6	46.4	>10	20.0	468	2.66	0.42	0.65	0.14	15.2
QCV1208-00667-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.50				4.30	6742.2	228					9.7
33563	Core			0.04	66.16	2.5	30.4	>10	22.0	806	2.83	0.41	0.19	0.14	16.8
33563 Dup				0.03	74.93	2.5	33.7	>10	24.1	796	3.11	0.43	0.19	0.15	17.1
QCV1208-00667-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
QCV1208-00667-0009-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101.00											
STD-CDN-ME-6 result				93.84											
33527	Core		<0.1												
33527 Dup			<0.1												
QCV1208-00668-0002-BLK			<0.1												
STD-OREAS92-2A expected			0.7												
STD-OREAS92-2A result			<0.1												
33545	Core		<0.1												
33545 Dup			<0.1												
QCV1208-00668-0005-BLK			<0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			0.2												
33563	Core		<0.1												
33563 Dup			<0.1												
QCV1208-00668-0008-BLK			<0.1												
QCV1208-00668-0009-BLK			<0.1												
STD-Oreas501 expected			0.7												
STD-Oreas501 result			0.6												
33527	Core	0.006													
33527 Dup		0.007													
QCV1208-00669-0002-BLK		<0.005													
33553	Core	1.538													
33553 Dup		1.561													
STD-OxJ95 expected		2.337													
STD-OxJ95 result		2.166													
QCV1208-00669-0005-BLK		<0.005													

INSPECTORATE
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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05477-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
QCV1208-00669-0006-BLK		<0.005													
STD-OxJ95 expected		2.337													
STD-OxJ95 result		2.217													

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Certificate of Analysis

12-360-05477-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33527	Core	105	7.41	56.8	4.92	34.13	1.64	0.07	3.92	90.0	1.13	440	0.54	0.97	4.8
33527 Dup		113	7.55	58.8	5.36	32.88	1.87	0.07	4.19	93.9	1.18	473	0.56	1.06	5.5
QCV1208-00667-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				6242.1											
33545	Core	91	7.39	60.0	5.60	33.26	1.55	0.07	3.27	86.4	1.31	719	0.39	0.89	3.4
33545 Dup		89	7.39	54.9	5.22	31.97	1.64	0.07	3.13	92.1	1.23	714	0.41	0.83	4.0
QCV1208-00667-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				29.0							2.75	472			
33563	Core	110	6.72	51.6	5.37	34.56	1.64	0.07	4.10	86.4	1.12	581	0.37	0.69	2.7
33563 Dup		121	6.86	62.5	5.50	38.31	1.79	0.07	4.18	89.9	1.14	614	0.38	0.69	3.0
QCV1208-00667-0008-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
QCV1208-00667-0009-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				5964.2											

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12-360-05477-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-400

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33527	Core	48.8	474	33.2	<0.002	1.89	16.1	0.893	<1.0	165.6	2.4	225.5	0.37	<0.05	12.3
33527 Dup		49.9	508	35.3	<0.002	1.93	17.9	0.988	<1.0	176.1	2.5	241.7	0.43	<0.05	13.3
QCV1208-00667-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200											
STD-CDN-ME-6 result				>10000								180.3			
33545	Core	46.7	1083	16.5	<0.002	0.54	15.4	0.059	<1.0	133.7	2.0	179.1	0.32	<0.05	16.0
33545 Dup		46.6	1021	15.9	<0.002	0.49	15.1	0.055	<1.0	132.0	2.1	180.6	0.34	<0.05	15.7
QCV1208-00667-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7		13.8											
STD-DS-1 result		51.2		14.4											
33563	Core	46.5	815	30.0	<0.002	0.76	15.7	0.074	<1.0	172.5	2.5	225.6	0.24	<0.05	16.0
33563 Dup		51.5	797	33.5	<0.002	0.82	16.7	0.077	<1.0	176.4	2.5	233.2	0.31	<0.05	16.0
QCV1208-00667-0008-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
QCV1208-00667-0009-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200.0											
STD-CDN-ME-6 result				9802.2								185.6			

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12-360-05477-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33527	Core	0.129	0.79	3.5	87	0.8	8.6	106	103.8
33527 Dup		0.152	0.84	3.6	96	0.8	9.5	116	103.3
QCV1208-00667-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								4861	
33545	Core	0.104	0.71	3.7	90	1.0	9.8	125	91.7
33545 Dup		0.110	0.70	3.6	83	1.1	10.6	119	94.0
QCV1208-00667-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			17.72					212	
33563	Core	0.087	0.84	3.9	90	1.5	8.7	118	92.9
33563 Dup		0.101	0.88	3.8	92	1.5	9.3	128	93.3
QCV1208-00667-0008-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
QCV1208-00667-0009-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5124	

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Certificate of Analysis

12-360-05477-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-014**
Client Reference: **Core-12-014**
Description: **3 ACE**

Date Received: 10/09/2012
Date Completed: 10/12/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	9	Core	

Location	Quantity	Method	Description
Vancouver, BC	9	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota -- Operations Manager

Vol 2-402

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Certificate of Analysis

12-360-05477-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33546	Core	0.32	0.09	0.07	8.79	502.13	14.07	516.20
33547	Core	1.22	1.17	1.22	3.19	504.48	4.97	509.44
33548	Core	0.32	0.32	0.32	0.37	508.72	8.52	517.24
33549	Core	<0.01	<0.01	<0.01	0.01	505.62	8.63	514.25
33550	Core	0.08	0.10	0.07	0.07	509.81	6.89	516.70
33551	Core	1.34	1.35	1.33	1.40	482.54	21.78	504.32
33554	Core	0.25	0.22	0.23	0.71	489.81	26.38	516.19
33555	Core	0.02	0.02	0.02	0.01	473.41	24.80	498.21
33556	Core	0.15	0.15	0.15	0.07	498.07	11.04	509.11

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Certificate of Analysis

12-360-05477-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1210-00757-0001-BLK		<0.01						29.17
STD-OxA89 expected		0.08						
STD-OxA89 result		0.08						

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Certificate of Analysis

12-360-05486-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
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Attention: Chris Buchanan
EMail: cbuchanan@northern-tiger.com

Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-015**
Client Reference: **Core-12-015**
Description: **3 ACE**

Date Received: 08/08/2012
Date Completed: 08/17/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	47	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg
Whitehorse, YT	1	Pulp	

Location	Quantity	Method	Description
Vancouver, BC	48	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	48	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	48	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-405

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Certificate of Analysis

12-360-05486-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33577	Core	0.117	0.1	0.40	37.95	2.6	18.2	>10	185.4	849	3.04	0.34	0.35	0.26	19.8
33578	Core	0.081	0.1	0.10	42.19	2.9	19.7	>10	192.4	849	3.23	0.30	0.34	0.31	18.7
33579	Core	0.039	<0.1	0.10	46.61	2.8	21.4	>10	116.4	790	3.61	0.31	0.27	0.24	18.1
33580	Core	0.454	0.4	0.60	30.60	2.5	15.1	>10	3955.2	748	3.66	0.33	1.18	0.69	19.6
33581	Core	0.393	0.6	0.60	19.80	1.0	8.5	2.29	7592.6	124	0.54	0.11	0.83	4.21	5.9
33582	Core	0.022	<0.1	0.10	5.01	0.3	2.1	0.78	221.9	32	<0.05	0.02	0.34	0.24	1.7
33583	Core	0.031	0.1	1.20	21.61	1.3	8.7	2.72	252.3	106	0.39	0.04	0.26	1.03	4.3
33584	Core	0.065	<0.1	0.10	28.69	1.4	12.6	3.06	854.0	126	0.59	0.04	0.36	0.91	4.6
33585	Core	0.145	<0.1	0.10	25.01	1.4	10.3	3.16	2486.4	89	0.51	0.04	0.51	0.30	4.4
33586	Core	0.102	<0.1	<0.01	23.50	1.7	10.8	5.36	2756.4	304	1.27	0.10	0.32	0.51	7.2
33587	Core	0.009	<0.1	<0.01	22.25	1.1	9.1	2.33	37.3	77	0.26	0.04	0.25	0.46	4.2
33588	Core	0.471	0.2	0.30	23.18	1.0	9.7	2.34	1277.9	70	0.34	0.04	0.30	2.43	3.2
33589	Core	0.037	<0.1	0.30	31.69	1.7	14.4	3.91	504.6	186	0.80	0.08	0.50	0.43	5.5
33590	Core	0.029	0.2	0.60	23.14	1.4	9.2	3.15	534.7	155	0.51	0.05	0.33	2.39	4.1
33591	Core	1.168	0.4	0.40	18.75	1.5	7.7	3.02	2793.0	123	0.59	0.06	0.33	1.89	4.9
33592	Core	0.259	0.4	0.30	21.68	1.5	9.6	2.84	2752.3	131	0.53	0.05	0.31	3.12	3.8
33593	Core	0.153	0.2	0.10	21.79	1.8	9.8	4.76	3458.8	240	0.88	0.12	0.44	2.96	8.0
33594	Core	0.223	<0.1	<0.01	19.96	1.2	8.5	2.87	2027.2	108	0.49	0.05	0.21	0.50	4.4
33595	Core	2.454	0.1	<0.01	20.71	1.0	8.6	1.80	2453.4	50	0.29	0.05	0.52	0.48	3.4
33596	Core	0.574	0.1	<0.01	16.57	1.3	7.4	2.46	2067.3	91	0.48	0.04	0.47	0.92	4.5
33597	Core	0.644	<0.1	0.30	22.74	1.0	9.5	2.18	1346.0	65	0.34	0.03	0.61	0.09	4.0
33598	Core	0.092	<0.1	0.30	24.23	2.0	10.4	6.71	1254.9	375	1.71	0.26	0.66	0.11	14.8
33599	Core	0.113	0.1	0.70	24.36	1.6	10.8	4.38	494.5	224	1.02	0.12	0.68	0.49	7.8
33600	Core	0.016	0.1	<0.01	43.29	3.1	20.7	9.86	56.3	595	2.21	0.37	0.34	0.12	23.5
33601	Pulp	1.346	0.2	<0.01	19.12	1.3	8.5	6.99	27.4	522	0.68	0.14	2.80	0.26	13.4
33602	Core	0.317	0.2	0.10	39.28	2.7	18.7	9.79	49.3	558	2.26	0.42	0.28	0.10	21.6
33603	Core	0.032	<0.1	<0.01	36.36	2.2	18.6	9.98	93.5	654	3.15	0.31	0.48	0.12	16.6
33604	Core	0.006	<0.1	0.20	35.04	3.2	18.3	>10	30.0	785	3.11	0.37	0.28	0.16	17.8
33605	Core	0.031	0.3	<0.01	19.65	2.3	8.7	6.65	44.6	349	1.30	0.24	0.52	0.22	19.8
33606	Core	0.008	0.2	<0.01	20.24	1.3	9.8	3.82	19.7	153	0.57	0.19	0.78	1.26	5.4
33607	Core	0.018	0.2	<0.01	26.77	2.9	14.1	>10	39.9	904	3.21	0.44	0.29	0.44	21.6
33608	Core	0.009	0.2	<0.01	65.86	2.8	33.7	>10	48.5	753	2.75	0.42	0.12	0.11	4.5
33609	Core	0.007	<0.1	<0.01	89.16	2.8	45.0	>10	52.5	880	3.53	0.44	0.06	0.17	9.8
33610	Core	0.006	<0.1	<0.01	72.92	2.7	37.3	>10	45.1	730	3.15	0.35	0.08	0.16	8.4
33611	Core	<0.005	<0.1	<0.01	74.17	2.8	39.3	>10	43.1	804	3.07	0.40	0.07	0.16	8.4
33612	Core	0.005	<0.1	<0.01	97.39	2.8	47.2	>10	44.1	810	3.26	0.39	0.08	0.14	7.4
33613	Core	<0.005	0.1	<0.01	78.71	2.7	38.2	>10	43.4	769	3.28	0.39	0.10	0.14	11.0
33614	Core	0.006	<0.1	<0.01	84.19	2.8	42.7	>10	41.7	766	3.41	0.46	0.10	0.17	10.0
33615	Core	<0.005	<0.1	<0.01	83.71	2.6	44.0	>10	46.5	799	3.51	0.40	0.13	0.44	11.6
33616	Core	0.005	<0.1	<0.01	64.84	2.5	32.9	>10	46.2	725	3.38	0.41	0.08	0.22	23.1

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12-360-05486-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33617	Core	0.006	<0.1	<0.01	73.79	2.6	36.5	>10	42.8	667	3.17	0.39	0.09	0.14	19.6
33618	Core	0.008	<0.1	<0.01	65.84	2.9	31.3	>10	47.3	704	3.25	0.39	0.10	0.12	20.6
33619	Core	0.010	<0.1	<0.01	83.84	2.7	40.8	>10	49.0	685	3.40	0.40	0.10	5.05	19.8
33620	Core	0.013	<0.1	<0.01	84.02	3.2	40.4	>10	54.0	801	4.11	0.47	0.10	0.17	19.6
33621	Core	0.051	0.3	<0.01	48.10	2.4	22.4	>10	78.3	636	3.45	0.28	0.16	0.17	19.6
33622	Core	0.026	<0.1	<0.01	27.48	1.6	12.3	4.80	95.1	229	1.25	0.09	0.06	0.14	9.8
33623	Core	0.015	0.3	0.10	32.65	2.9	15.4	9.71	63.9	470	2.36	0.15	0.13	0.16	14.5
33624	Core	0.095	0.4	<0.01	33.58	4.1	15.6	>10	180.2	811	3.83	0.21	0.09	0.49	17.4

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-408

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33577	Core	147	7.66	42.9	5.08	27.19	1.62	0.08	4.66	66.9	1.07	895	0.52	0.38	4.5
33578	Core	171	9.31	41.9	4.99	28.43	1.73	0.08	5.66	49.5	0.95	786	0.55	0.35	3.8
33579	Core	157	10.66	38.4	4.85	27.60	1.68	0.08	5.13	51.4	0.81	762	0.50	0.31	4.1
33580	Core	199	14.88	31.3	6.63	27.77	1.79	0.09	4.60	24.6	0.89	1737	0.69	0.22	3.2
33581	Core	245	2.69	8.5	2.44	2.51	1.74	0.12	0.93	10.5	0.40	1205	0.75	0.04	1.0
33582	Core	221	0.80	2.1	0.73	<0.05	1.57	0.01	0.28	2.3	0.15	517	0.48	0.01	0.3
33583	Core	231	2.20	8.2	1.24	1.84	1.07	0.03	0.84	8.5	0.17	590	0.53	0.04	0.9
33584	Core	189	1.78	9.4	1.34	3.65	1.16	0.03	0.99	5.9	0.21	531	0.50	0.04	0.9
33585	Core	218	1.62	7.8	1.17	1.70	1.17	0.02	0.70	7.2	0.22	451	0.56	0.03	0.9
33586	Core	221	3.32	13.5	1.73	9.43	1.41	0.03	2.10	7.1	0.25	474	0.57	0.10	1.4
33587	Core	245	1.15	4.8	1.21	1.07	1.04	0.01	0.52	5.1	0.16	438	0.73	0.03	0.8
33588	Core	209	1.29	7.8	0.96	0.68	1.08	0.05	0.50	3.5	0.21	278	0.58	0.09	0.7
33589	Core	241	2.22	12.9	1.52	4.92	1.17	0.03	1.23	9.8	0.31	389	0.63	0.37	1.5
33590	Core	216	1.76	11.1	1.15	4.00	1.23	0.06	1.09	5.6	0.20	474	0.58	0.06	1.0
33591	Core	198	2.09	9.4	1.36	2.98	1.17	0.05	0.85	8.6	0.19	540	0.51	0.05	1.3
33592	Core	184	1.63	10.2	1.14	3.21	1.31	0.07	1.08	3.8	0.18	324	0.46	0.05	0.9
33593	Core	215	3.23	15.8	1.98	8.14	1.32	0.09	1.97	11.2	0.27	503	0.68	0.09	1.4
33594	Core	180	2.65	6.5	1.44	2.18	1.22	0.02	0.85	7.4	0.15	349	0.52	0.04	1.0
33595	Core	199	1.17	10.6	1.04	<0.05	1.44	0.02	0.38	6.3	0.20	459	0.50	0.02	0.6
33596	Core	177	1.81	12.1	1.07	1.42	1.43	0.03	0.62	11.7	0.19	424	0.44	0.03	0.9
33597	Core	252	1.05	10.2	1.05	0.91	1.13	<0.01	0.39	4.8	0.23	418	0.57	0.02	0.8
33598	Core	196	3.59	30.8	2.51	11.70	1.19	0.03	2.34	9.5	0.47	547	0.60	0.12	2.1
33599	Core	230	2.30	20.8	2.35	6.61	1.06	0.03	1.39	7.6	0.41	667	0.57	0.08	2.2
33600	Core	161	5.54	39.8	4.92	21.69	1.54	0.06	3.47	41.3	0.98	455	0.59	0.20	4.5
33601	Pulp	72	1.07	52.0	4.67	9.82	1.33	0.05	1.10	13.3	1.46	882	9.95	2.36	4.8
33602	Core	150	4.99	32.4	4.71	16.89	1.38	0.05	3.48	36.8	0.90	387	0.61	0.23	4.2
33603	Core	167	6.17	40.7	4.01	20.13	1.38	0.05	3.82	38.2	0.84	377	0.67	0.26	3.7
33604	Core	115	6.50	56.5	4.88	26.50	1.53	0.07	4.56	56.6	1.01	395	0.45	0.30	4.3
33605	Core	192	3.03	25.9	3.50	10.59	1.13	0.03	2.08	19.1	0.56	645	0.85	0.16	2.0
33606	Core	193	1.60	18.7	2.93	3.20	1.06	0.04	1.00	13.2	0.51	741	0.63	0.07	1.4
33607	Core	150	7.04	50.7	4.94	27.74	1.47	0.07	4.81	46.9	0.86	505	0.51	0.41	3.2
33608	Core	131	6.37	23.8	5.22	25.24	1.94	0.06	4.23	81.0	1.15	558	0.43	0.50	4.9
33609	Core	112	7.40	56.0	5.20	29.58	2.10	0.07	4.42	101.1	1.14	581	0.42	0.65	5.2
33610	Core	97	6.56	53.0	5.55	26.01	1.91	0.07	4.27	102.3	1.23	543	0.38	0.68	4.9
33611	Core	112	7.15	44.4	5.13	27.87	1.88	0.07	4.23	106.3	1.11	585	0.47	0.67	3.2
33612	Core	109	7.74	43.7	5.25	27.43	2.14	0.07	4.17	103.8	1.14	542	0.41	0.66	4.1
33613	Core	107	7.24	55.2	5.42	28.13	2.05	0.07	4.30	104.4	1.14	565	0.45	0.69	3.0
33614	Core	115	6.86	61.4	5.12	26.28	1.97	0.07	4.04	114.1	1.06	562	0.52	0.63	3.3
33615	Core	117	7.57	68.3	5.14	27.80	2.16	0.07	4.14	118.6	1.06	591	0.46	0.63	3.5
33616	Core	108	6.36	70.5	5.32	25.11	1.81	0.06	4.06	89.1	0.84	513	0.46	0.58	2.4

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33617	Core	106	6.26	50.2	4.90	22.18	1.63	0.06	3.87	78.4	0.84	518	0.37	0.47	2.7
33618	Core	114	6.44	49.4	5.28	24.99	1.82	0.06	3.92	75.0	0.91	630	0.39	0.42	2.8
33619	Core	112	6.99	46.9	5.00	24.63	1.71	0.04	4.36	64.2	0.80	563	0.39	0.42	3.0
33620	Core	123	8.24	57.1	5.54	27.54	1.80	0.08	5.21	65.9	0.72	464	0.43	0.45	2.6
33621	Core	206	9.84	52.2	4.22	22.79	2.00	0.06	4.10	150.1	0.31	586	0.60	0.29	2.2
33622	Core	220	3.10	21.7	2.58	6.55	1.54	0.02	1.59	68.4	0.34	554	0.43	0.09	1.2
33623	Core	182	5.87	20.8	3.38	17.68	1.64	0.04	3.58	22.3	0.50	665	0.64	0.18	1.9
33624	Core	194	8.75	30.7	3.13	29.27	1.67	0.06	5.58	22.5	0.46	372	0.59	0.27	3.1

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12-360-05486-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-410

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33577	Core	49.4	541	30.0	<0.002	2.01	16.9	1.153	<1.0	233.9	5.5	155.9	0.31	<0.05	15.4
33578	Core	54.6	672	22.9	<0.002	2.16	17.2	2.047	<1.0	255.3	6.8	134.6	0.27	<0.05	16.4
33579	Core	46.9	417	29.2	<0.002	2.51	17.3	0.777	<1.0	261.8	4.4	132.4	0.27	<0.05	16.5
33580	Core	53.2	744	158.4	<0.002	5.37	17.4	2.759	<1.0	218.2	7.1	135.7	0.60	<0.05	14.9
33581	Core	14.6	130	285.9	<0.002	7.38	2.9	1.455	<1.0	47.7	8.5	36.7	0.06	<0.05	5.6
33582	Core	4.2	83	48.4	<0.002	1.60	0.6	0.355	<1.0	14.7	4.4	7.9	<0.05	<0.05	1.8
33583	Core	8.3	47	125.4	<0.002	0.93	2.3	0.510	<1.0	43.7	3.9	14.9	0.07	<0.05	8.1
33584	Core	10.6	64	80.2	<0.002	1.22	3.0	0.555	<1.0	51.4	3.7	24.6	0.07	<0.05	7.9
33585	Core	8.8	29	34.8	<0.002	2.21	2.1	0.396	<1.0	31.4	3.0	22.8	0.06	<0.05	7.4
33586	Core	18.3	206	45.9	<0.002	2.70	6.4	0.794	<1.0	101.0	4.0	37.0	0.12	<0.05	11.0
33587	Core	9.8	77	60.2	<0.002	0.47	1.6	0.229	<1.0	26.4	1.7	10.0	0.06	<0.05	6.8
33588	Core	7.4	138	74.2	<0.002	1.36	1.6	0.334	<1.0	26.0	2.3	17.9	0.06	<0.05	6.8
33589	Core	12.5	113	49.0	<0.002	1.06	4.1	0.265	<1.0	54.6	2.1	40.4	0.11	<0.05	10.3
33590	Core	10.0	27	160.5	<0.002	1.11	3.0	0.399	<1.0	55.9	5.9	20.1	0.07	<0.05	7.5
33591	Core	11.1	107	276.6	<0.002	2.91	2.3	0.462	<1.0	41.5	4.5	18.7	0.07	<0.05	9.2
33592	Core	8.7	70	239.6	<0.002	2.75	2.4	0.629	<1.0	53.9	6.5	21.3	0.09	<0.05	8.6
33593	Core	17.5	261	105.8	<0.002	3.57	5.2	1.159	<1.0	79.5	9.8	33.2	0.10	<0.05	10.7
33594	Core	8.9	151	60.1	<0.002	2.13	1.8	0.654	<1.0	37.6	3.7	12.7	0.09	<0.05	6.4
33595	Core	7.5	34	92.1	<0.002	2.28	1.4	0.370	<1.0	19.9	1.6	25.9	<0.05	<0.05	5.5
33596	Core	8.2	11	89.6	<0.002	2.13	2.0	0.424	<1.0	33.7	2.2	31.2	0.06	<0.05	7.6
33597	Core	8.0	121	13.6	<0.002	1.48	1.7	0.244	<1.0	20.6	0.8	30.0	0.06	<0.05	7.3
33598	Core	23.2	232	20.5	<0.002	3.31	7.9	0.480	<1.0	108.0	1.6	64.1	0.14	<0.05	11.6
33599	Core	19.2	134	43.3	<0.002	1.35	5.1	0.516	<1.0	61.5	1.3	46.7	0.14	<0.05	9.7
33600	Core	39.1	329	25.9	<0.002	2.77	13.3	0.430	<1.0	151.8	2.0	71.9	0.30	<0.05	16.4
33601	Pulp	39.3	682	12.1	<0.002	2.30	16.6	0.043	<1.0	25.5	4.3	299.3	0.25	<0.05	1.9
33602	Core	35.4	406	54.8	<0.002	3.09	12.8	0.583	<1.0	140.8	1.8	73.9	0.28	<0.05	13.4
33603	Core	36.1	234	20.0	<0.002	2.43	13.3	0.560	<1.0	172.3	2.1	102.1	0.21	<0.05	12.8
33604	Core	45.3	611	15.7	<0.002	1.54	17.4	0.322	<1.0	205.3	2.5	110.8	0.29	<0.05	16.7
33605	Core	27.7	177	33.2	<0.002	4.22	8.1	0.838	<1.0	94.9	1.6	58.0	0.13	<0.05	11.8
33606	Core	15.6	187	172.4	<0.002	0.73	3.9	0.547	<1.0	41.1	3.8	31.3	0.07	<0.05	8.2
33607	Core	51.2	438	50.1	<0.002	1.89	18.0	0.967	<1.0	214.0	3.6	142.8	0.26	<0.05	16.3
33608	Core	40.4	673	17.0	<0.002	0.87	16.2	<0.01	<1.0	184.9	2.5	158.9	0.37	<0.05	15.2
33609	Core	45.9	399	16.6	<0.002	1.17	19.1	0.055	<1.0	207.5	2.5	220.3	0.37	<0.05	17.0
33610	Core	44.5	491	24.0	<0.002	0.96	16.8	0.034	<1.0	187.3	2.4	209.4	0.35	<0.05	15.5
33611	Core	45.2	406	18.7	<0.002	0.95	17.3	0.027	<1.0	205.9	2.3	218.6	0.26	<0.05	15.9
33612	Core	43.0	550	22.0	<0.002	0.94	18.3	0.022	<1.0	193.9	2.3	216.6	0.30	<0.05	17.6
33613	Core	43.5	656	24.7	<0.002	0.96	17.3	0.037	<1.0	202.3	2.3	227.7	0.24	<0.05	16.5
33614	Core	44.3	625	30.0	0.002	1.00	18.7	0.031	<1.0	192.5	2.3	223.4	0.67	<0.05	17.5
33615	Core	47.0	729	23.6	<0.002	0.93	21.0	0.017	<1.0	199.6	10.9	224.2	0.34	<0.05	17.9
33616	Core	49.1	580	29.9	<0.002	0.93	19.2	<0.01	<1.0	182.3	2.8	252.4	0.24	<0.05	16.1

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Certificate of Analysis

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33617	Core	43.6	563	25.9	<0.002	0.93	18.2	0.015	<1.0	175.6	2.1	163.6	0.24	<0.05	17.2
33618	Core	46.7	559	21.8	<0.002	1.45	20.2	0.042	<1.0	194.9	2.2	153.9	0.27	<0.05	18.0
33619	Core	43.6	594	32.2	<0.002	1.33	21.4	0.029	<1.0	199.0	161.4	135.5	0.27	<0.05	18.4
33620	Core	49.0	517	12.5	<0.002	1.60	24.3	<0.01	<1.0	217.0	2.5	139.4	0.26	<0.05	21.7
33621	Core	44.7	794	16.7	<0.002	1.98	20.7	0.088	<1.0	187.5	2.2	112.5	0.18	<0.05	14.9
33622	Core	27.0	130	12.0	<0.002	1.28	7.4	0.541	<1.0	70.7	1.2	21.8	0.09	<0.05	9.0
33623	Core	34.1	228	8.9	<0.002	1.37	13.2	0.198	<1.0	151.5	1.8	39.4	0.17	<0.05	15.8
33624	Core	35.0	341	19.8	<0.002	2.24	22.9	1.139	<1.0	242.0	12.6	73.0	0.24	<0.05	24.1

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Northern Tiger Resources
#220 17010 103rd Ave
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Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33577	Core	0.101	1.18	4.6	93	2.0	8.7	92	103.7
33578	Core	0.099	1.36	4.5	103	2.7	7.7	77	95.8
33579	Core	0.103	1.16	4.0	97	2.6	8.1	95	103.6
33580	Core	0.069	1.05	3.9	88	6.1	9.4	89	105.8
33581	Core	0.023	0.27	1.0	17	2.6	4.3	337	41.1
33582	Core	0.007	0.08	0.3	4	0.8	1.1	10	10.5
33583	Core	0.023	0.23	1.1	17	2.3	3.6	76	48.6
33584	Core	0.024	0.24	1.1	22	2.3	4.1	71	56.8
33585	Core	0.023	0.18	1.1	17	2.1	3.1	25	48.1
33586	Core	0.040	0.52	2.0	37	2.9	4.6	50	64.6
33587	Core	0.019	0.15	1.1	13	1.6	3.0	46	44.4
33588	Core	0.017	0.14	1.1	12	1.1	2.6	179	39.0
33589	Core	0.034	0.30	1.8	27	1.2	4.2	49	61.9
33590	Core	0.027	0.28	1.2	20	2.7	3.5	189	51.3
33591	Core	0.023	0.24	1.3	19	7.7	4.1	131	54.3
33592	Core	0.025	0.28	1.3	19	2.0	3.5	218	56.8
33593	Core	0.037	0.44	1.9	35	3.4	4.2	198	57.7
33594	Core	0.024	0.22	1.1	17	3.8	2.7	37	39.7
33595	Core	0.016	0.11	0.8	10	1.6	2.4	41	36.2
33596	Core	0.021	0.18	1.1	16	2.6	3.4	81	52.4
33597	Core	0.017	0.11	0.9	13	2.1	3.4	14	39.6
33598	Core	0.053	0.58	2.1	52	2.4	5.5	47	72.4
33599	Core	0.040	0.36	1.8	34	4.8	4.2	88	64.4
33600	Core	0.100	0.80	3.6	83	2.2	7.6	104	113.1
33601	Pulp	0.338	0.21	0.8	137	1.0	14.6	81	47.7
33602	Core	0.097	0.72	3.2	81	2.0	6.7	80	103.3
33603	Core	0.085	0.85	3.1	73	1.9	5.8	76	85.1
33604	Core	0.099	1.02	4.4	95	1.5	8.1	119	114.0
33605	Core	0.044	0.56	2.5	50	2.4	5.4	64	79.6
33606	Core	0.028	0.28	1.4	25	2.8	3.6	125	49.3
33607	Core	0.090	1.12	4.7	98	2.4	7.2	111	104.3
33608	Core	0.120	1.03	4.7	90	1.8	6.5	96	92.6
33609	Core	0.121	1.07	4.7	94	1.5	7.0	103	105.1
33610	Core	0.115	0.96	4.2	96	1.2	7.1	99	98.5
33611	Core	0.098	1.05	4.6	91	1.1	7.1	102	93.7
33612	Core	0.115	0.98	4.9	96	1.3	7.6	102	99.9
33613	Core	0.096	1.05	5.0	96	1.0	7.8	107	90.8
33614	Core	0.092	1.13	5.2	91	1.2	7.4	100	94.8
33615	Core	0.095	1.15	5.4	91	1.1	7.9	113	96.0
33616	Core	0.080	0.99	4.5	91	1.1	7.6	145	96.6

INSPECTORATE
A Bureau Veritas Group Company
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05486-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33617	Core	0.092	1.04	4.5	84	1.3	6.9	110	88.3
33618	Core	0.087	1.13	5.0	87	1.4	7.7	121	96.5
33619	Core	0.099	1.23	4.5	89	1.5	7.2	110	94.5
33620	Core	0.095	1.48	5.6	104	2.1	7.4	121	97.7
33621	Core	0.067	1.15	4.5	82	3.6	6.8	112	82.7
33622	Core	0.035	0.46	2.3	32	1.4	3.7	54	55.4
33623	Core	0.068	1.02	3.4	70	2.3	5.6	87	98.3
33624	Core	0.100	1.56	5.7	105	5.1	7.6	64	144.9

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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05486-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-414

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33577	Core			0.40	37.95	2.6	18.2	>10	185.4	849	3.04	0.34	0.35	0.26	19.8
33577 Dup				0.50	40.05	2.9	19.6	>10	173.6	818	2.83	0.37	0.36	0.25	18.1
QCV1208-00664-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.40				4.35	6770.2	194					11.2
33595	Core			<0.01	20.71	1.0	8.6	1.80	2453.4	50	0.29	0.05	0.52	0.48	3.4
33595 Dup				<0.01	19.07	1.0	8.3	1.73	2303.5	49	0.34	0.05	0.49	0.45	3.8
QCV1208-00664-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.80	83.91	3.7	38.9	7.76		418	2.73	2.26	0.51	0.38	16.1
33613	Core			<0.01	78.71	2.7	38.2	>10	43.4	769	3.28	0.39	0.10	0.14	11.0
33613 Dup				<0.01	73.52	2.7	36.2	>10	42.6	737	2.98	0.37	0.10	0.14	10.1
QCV1208-00664-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
QCV1208-00664-0009-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.50				4.48	6407.4	194					12.4
33577	Core		0.1												
33577 Dup			<0.1												
QCV1208-00665-0002-BLK			<0.1												
STD-Oreas501 expected			0.7												
STD-Oreas501 result			0.8												
33595	Core		0.1												
33595 Dup			<0.1												
QCV1208-00665-0005-BLK			<0.1												
STD-CDN-ME-12 expected			52.5												
STD-CDN-ME-12 result			52.0												
33613	Core		0.1												
33613 Dup			<0.1												
QCV1208-00665-0008-BLK			<0.1												
QCV1208-00665-0009-BLK			<0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			0.3												
33577	Core	0.117													
33577 Dup		0.122													
QCV1208-00666-0002-BLK		<0.005													
33603	Core	0.032													
33603 Dup		0.034													
STD-OxE101 expected		0.607													
STD-OxE101 result		0.570													
QCV1208-00666-0005-BLK		<0.005													

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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05486-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
STD-OxJ95 expected		2.337													
STD-OxJ95 result		2.231													

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12-360-05486-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33577	Core	147	7.66	42.9	5.08	27.19	1.62	0.08	4.66	66.9	1.07	895	0.52	0.38	4.5
33577 Dup		158	7.72	46.7	5.04	27.22	1.73	0.07	4.71	61.9	1.10	843	0.51	0.39	3.9
QCV1208-00664-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				26.1							2.81	477			
33595	Core	199	1.17	10.6	1.04	<0.05	1.44	0.02	0.38	6.3	0.20	459	0.50	0.02	0.6
33595 Dup		191	1.17	9.8	0.95	<0.05	1.44	0.01	0.36	6.1	0.19	482	0.47	0.02	0.6
QCV1208-00664-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			6.87	2296.9	4.45	17.26		0.30	3.31	23.4	1.49		0.45	0.51	14.6
33613	Core	107	7.24	55.2	5.42	28.13	2.05	0.07	4.30	104.4	1.14	565	0.45	0.69	3.0
33613 Dup		105	6.92	53.0	5.26	26.27	1.91	0.07	4.26	105.2	1.15	539	0.49	0.70	2.9
QCV1208-00664-0008-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
QCV1208-00664-0009-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				27.5							2.87	471			

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Certificate of Analysis

12-360-05486-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33577	Core	49.4	541	30.0	<0.002	2.01	16.9	1.153	<1.0	233.9	5.5	155.9	0.31	<0.05	15.4
33577 Dup		51.0	493	31.2	<0.002	3.43	16.2	1.188	<1.0	228.4	5.5	155.6	0.30	<0.05	16.3
QCV1208-00664-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7		13.8											
STD-DS-1 result		45.1		14.5											
33595	Core	7.5	34	92.1	<0.002	2.28	1.4	0.370	<1.0	19.9	1.6	25.9	<0.05	<0.05	5.5
33595 Dup		6.3	67	94.7	<0.002	2.24	1.4	0.359	<1.0	19.9	1.6	25.3	0.05	<0.05	5.9
QCV1208-00664-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected						1.16					10.6				
STD-OREAS92-4A result		37.7	723		0.003	1.09	13.3			211.3	9.9	35.2	1.03		15.8
33613	Core	43.5	656	24.7	<0.002	0.96	17.3	0.037	<1.0	202.3	2.3	227.7	0.24	<0.05	16.5
33613 Dup		43.4	582	22.8	<0.002	0.96	17.0	0.033	<1.0	188.5	2.1	222.7	0.24	<0.05	15.4
QCV1208-00664-0008-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
QCV1208-00664-0009-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7		13.8											
STD-DS-1 result		49.6		12.7											

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INSPECTORATE
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Certificate of Analysis

12-360-05486-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33577	Core	0.101	1.18	4.6	93	2.0	8.7	92	103.7
33577 Dup		0.100	1.24	4.6	97	2.2	7.8	92	98.3
QCV1208-00664-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			19.33					197	
33595	Core	0.016	0.11	0.8	10	1.6	2.4	41	36.2
33595 Dup		0.015	0.11	0.8	10	1.7	2.8	39	37.2
QCV1208-00664-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result			0.90	3.1		2.6	27.0	93	131.1
33613	Core	0.096	1.05	5.0	96	1.0	7.8	107	90.8
33613 Dup		0.095	0.96	4.8	94	1.0	7.3	103	106.6
QCV1208-00664-0008-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
QCV1208-00664-0009-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			18.79					212	

Certificate of Analysis

12-360-05486-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
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EMail: ghayes@northern-tiger.com

Attention: Chris Buchanan
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Attention: Bonnie Spence
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Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-015**
Client Reference: **Core-12-015**
Description: **3 ACE**

Date Received: 10/10/2012
Date Completed: 10/16/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	23	Core	

Location	Quantity	Method	Description
Vancouver, BC	23	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

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Certificate of Analysis

12-360-05486-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33577	Core	0.08	0.08	0.07	0.05	500.05	6.31	506.35
33578	Core	0.07	0.07	0.07	0.06	499.69	13.19	512.88
33579	Core	0.04	0.05	0.04	0.04	486.05	10.69	496.74
33580	Core	1.01	0.98	1.03	1.43	504.93	8.64	513.57
33581	Core	0.31	0.31	0.31	0.29	494.30	7.04	501.34
33582	Core	0.01	0.01	0.01	0.02	481.12	6.07	487.19
33583	Core	0.02	0.02	0.02	0.03	442.28	11.43	453.70
33584	Core	0.06	0.06	0.06	0.05	475.03	26.16	501.19
33585	Core	0.16	0.13	0.19	0.30	470.83	8.13	478.96
33586	Core	0.08	0.08	0.08	0.08	501.06	12.36	513.42
33587	Core	<0.01	<0.01	<0.01	<0.01	458.63	10.80	469.43
33588	Core	0.28	0.25	0.29	0.36	487.34	25.06	512.40
33589	Core	0.03	0.04	0.03	0.03	487.70	15.77	503.47
33590	Core	0.03	0.03	0.03	<0.01	485.07	18.20	503.27
33591	Core	0.39	0.36	0.36	0.89	480.96	29.01	509.97
33592	Core	0.40	0.36	0.32	1.58	490.71	24.86	515.56
33593	Core	0.29	0.17	0.13	11.84	501.19	6.20	507.39
33594	Core	0.15	0.12	0.16	0.78	454.08	7.92	462.00
33595	Core	1.40	0.83	0.86	11.74	479.11	25.65	504.76
33596	Core	0.54	0.38	0.37	4.04	466.63	22.36	488.99
33597	Core	0.83	0.56	0.61	7.48	488.31	17.62	505.92
33598	Core	0.09	0.09	0.09	0.07	505.46	8.99	514.45
33599	Core	0.09	0.09	0.08	0.06	500.44	8.59	509.03

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Certificate of Analysis

12-360-05486-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
QCV1210-00865-0001-BLK		<0.01						29.37
QCV1210-00865-0002-BLK		<0.01						29.17
STD-Oxi96 expected		1.80						
STD-Oxi96 result		1.76						
QCV1210-00865-0004-BLK		<0.01						29.17
STD-Oxi96 expected		1.80						
STD-Oxi96 result		1.70						

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12-360-05787-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

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Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-018**
Client Reference: **Core-12-018**
Description: **3 ACE**

Date Received: 08/24/2012
Date Completed: 09/06/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	44	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg

Location	Quantity	Method	Description
Vancouver, BC	44	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	44	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	44	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-422

INSPECTORATE
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12-360-05787-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

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Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33723	Core	0.008	0.1	0.02	93.29	3.4	48.5	>10	20.3	841	3.64	0.45	0.05	0.23	24.9
33724	Core	<0.005	<0.1	<0.01	126.20	2.8	62.9	>10	21.4	968	4.19	0.47	0.04	0.12	21.5
33725	Core	0.005	<0.1	<0.01	107.86	2.7	55.3	>10	17.7	1031	3.29	0.44	0.15	0.08	14.5
33726	Core	<0.005	<0.1	<0.01	133.41	3.3	64.9	>10	18.5	1137	3.36	0.56	0.13	0.07	16.8
33727	Core	<0.005	<0.1	<0.01	77.77	3.5	40.4	>10	20.0	935	3.10	0.55	0.13	0.07	19.3
33728	Core	<0.005	<0.1	0.04	109.63	3.1	56.8	>10	23.9	1165	4.47	0.47	0.15	0.08	20.7
33729	Core	<0.005	0.1	<0.01	124.39	2.9	65.1	>10	15.1	1031	3.12	0.55	0.16	0.06	18.1
33730	Core	<0.005	<0.1	<0.01	108.74	3.2	55.2	>10	16.9	1091	3.61	0.51	0.16	0.11	19.6
33731	Core	0.008	0.1	<0.01	71.30	3.3	39.2	>10	26.2	896	2.91	0.55	0.15	0.11	19.5
33732	Core	<0.005	0.2	<0.01	58.96	3.1	31.4	>10	39.4	1016	4.36	0.45	0.14	0.12	21.4
33733	Core	0.035	0.3	0.35	83.77	3.2	43.7	>10	236.9	910	2.86	0.37	0.03	0.43	16.3
33734	Core	0.045	0.3	0.33	71.11	3.0	35.9	>10	181.2	799	3.81	0.27	0.02	0.53	10.6
33735	Core	<0.005	0.1	<0.01	82.80	3.6	42.3	>10	177.5	988	3.72	0.43	0.12	10.93	21.6
33736	Core	<0.005	<0.1	<0.01	82.27	3.1	40.1	>10	189.9	805	2.12	0.33	0.06	1.62	21.6
33737	Core	0.059	0.1	<0.01	23.07	1.0	11.4	2.79	223.2	142	0.80	0.08	0.01	0.17	0.9
33738	Core	0.014	<0.1	<0.01	15.21	0.7	6.9	1.85	66.9	96	0.29	0.06	0.01	0.16	0.7
33739	Core	0.008	0.1	<0.01	28.52	1.4	13.4	3.26	83.0	180	0.61	0.05	0.01	0.17	0.8
33740	Core	0.039	0.3	0.24	31.83	1.2	13.8	2.85	1088.9	166	0.57	0.10	0.02	0.12	0.8
33741	Core	0.116	0.7	0.75	27.45	1.2	12.5	2.46	1266.5	157	0.38	0.02	0.02	0.23	1.0
33742	Core	0.058	0.5	0.43	22.62	0.8	10.7	1.94	5329.7	121	0.30	0.05	0.02	0.31	0.9
33743	Core	0.030	0.1	0.02	34.20	1.3	15.2	3.37	312.0	177	0.37	0.06	0.02	0.43	0.8
33744	Core	0.100	<0.1	<0.01	36.52	1.6	16.9	4.11	144.8	233	0.83	0.08	0.02	0.15	0.6
33745	Core	0.026	<0.1	<0.01	42.89	1.7	18.7	4.19	150.2	238	0.93	0.09	0.02	0.18	0.8
33746	Core	7.727	0.5	0.56	31.73	2.0	18.3	4.08	1056.2	186	0.96	0.64	>10	4.05	6.0
33747	Core	0.223	0.2	0.10	27.00	1.1	12.2	2.44	423.3	152	0.61	0.04	0.02	0.62	0.9
33748	Core	0.039	0.1	0.08	33.09	1.6	15.6	3.28	745.5	247	0.63	0.04	0.02	0.25	0.8
33749	Core	0.019	0.1	0.03	34.11	1.4	14.7	3.06	284.3	177	0.43	0.05	0.02	0.12	1.0
33750	Core	0.034	0.1	0.06	31.31	1.2	13.7	3.24	1192.9	164	0.69	0.06	0.01	0.12	1.0
33751	Core	0.010	0.2	0.12	26.98	1.1	11.7	2.85	591.4	155	0.40	0.07	0.01	0.41	0.6
33752	Core	0.005	<0.1	0.02	34.54	1.3	15.4	3.14	291.2	167	0.26	0.05	0.01	0.14	0.6
33753	Core	0.006	0.1	0.04	35.63	1.5	15.9	2.93	187.9	158	0.65	0.06	0.01	0.08	0.7
33754	Core	0.011	0.3	0.16	34.27	1.3	15.2	2.91	219.3	208	0.53	0.10	0.02	0.12	1.0
33755	Core	0.056	2.4	1.91	46.60	2.5	22.5	8.79	610.7	583	2.38	0.58	0.02	0.81	6.6
33756	Core	<0.005	0.1	<0.01	44.65	2.3	20.4	6.72	58.8	411	1.89	0.14	0.03	1.68	13.7
33757	Core	0.014	0.3	0.35	39.11	2.4	19.3	5.80	112.7	377	1.20	0.17	0.01	0.28	0.9
33758	Core	0.017	0.2	0.19	50.40	2.7	23.6	8.61	254.4	564	1.83	0.29	0.02	2.42	8.3
33759	Core	0.022	0.3	0.24	43.99	2.1	21.2	5.78	82.7	414	0.60	0.11	0.01	0.25	1.5
33760	Core	0.038	0.3	0.30	30.07	1.4	14.5	3.21	168.1	219	0.94	0.10	0.01	0.30	0.9
33761	Core	0.084	0.2	0.16	46.97	2.8	23.3	9.87	234.2	696	3.25	0.33	0.02	0.86	5.8
33762	Core	0.006	0.1	0.08	35.86	2.4	17.3	6.68	91.7	454	1.67	0.20	0.02	0.24	6.7

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

		Au	Ag	Ag	Ce	Hf	La	Al	As	Ba	Be	Bi	Ca	Cd	Co
		Au-2AT-AA	Ag-AR-TR	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT
Sample	Sample	g/ton	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
Description	Type	0.005	0.1	0.01	0.01	0.1	0.5	0.01	0.2	5	0.05	0.01	0.01	0.02	0.1
33763	Core	0.008	0.1	0.06	31.37	1.6	14.5	3.91	58.0	245	0.80	0.12	0.01	0.16	1.7
33764	Core	0.013	0.2	0.05	23.19	1.3	10.6	2.26	38.2	126	0.75	0.11	<0.01	0.37	3.0
33765	Core	0.022	0.2	0.04	24.44	1.5	11.1	2.49	98.9	142	0.68	0.12	<0.01	0.12	1.0
33766	Core	0.028	0.2	0.02	29.44	1.3	13.2	2.40	49.3	156	0.81	0.09	<0.01	0.02	0.6

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33723	Core	156	9.30	94.9	5.43	28.71	1.34	0.07	4.63	100.0	0.83	775	0.53	0.60	2.7
33724	Core	156	10.16	57.1	4.34	30.12	1.52	0.08	4.75	100.1	0.57	693	0.50	0.55	2.8
33725	Core	107	7.92	49.0	4.87	27.85	1.31	0.06	5.02	92.3	1.07	488	0.35	0.60	3.0
33726	Core	104	6.29	69.0	5.21	29.40	1.66	0.09	5.16	94.0	1.31	573	0.47	0.46	4.6
33727	Core	104	5.67	61.5	5.88	24.38	1.55	0.08	4.50	95.4	1.28	748	0.35	0.43	4.0
33728	Core	112	6.76	62.7	5.56	29.95	1.68	0.08	5.65	100.2	1.26	672	0.49	0.47	4.0
33729	Core	96	6.37	55.8	5.05	27.88	1.46	0.08	4.92	87.7	1.20	622	0.42	0.41	2.7
33730	Core	106	5.96	61.0	5.13	28.61	1.63	0.08	5.26	86.3	1.18	596	0.45	0.41	2.9
33731	Core	99	6.43	54.9	4.64	25.60	1.16	0.08	4.43	68.8	0.89	540	0.46	0.33	3.2
33732	Core	141	8.01	83.0	5.55	29.65	1.15	0.09	5.26	63.8	0.67	734	0.62	0.32	2.4
33733	Core	189	10.14	40.9	4.70	23.76	1.21	0.12	5.13	47.2	0.25	419	0.52	0.27	3.1
33734	Core	205	6.16	34.0	4.24	23.12	1.27	0.14	4.81	42.6	0.22	323	0.61	0.20	2.4
33735	Core	142	7.31	72.5	4.46	30.72	1.21	0.13	5.53	33.1	0.51	531	0.52	0.25	2.6
33736	Core	171	6.13	58.3	4.15	23.53	1.01	0.08	4.27	25.4	0.44	854	0.56	0.21	2.4
33737	Core	185	1.90	6.9	0.45	4.13	1.23	0.02	0.86	13.1	0.05	26	0.62	0.05	0.9
33738	Core	215	1.49	4.9	0.35	1.90	1.09	0.01	0.55	8.6	0.04	24	0.65	0.03	0.6
33739	Core	187	2.00	6.6	0.37	4.83	0.86	0.01	1.08	8.7	0.07	21	0.51	0.05	0.9
33740	Core	151	2.11	6.2	0.42	3.95	1.02	0.03	1.12	8.3	0.08	27	0.57	0.04	1.2
33741	Core	168	2.33	8.0	0.53	3.30	1.20	0.07	1.08	9.3	0.07	28	0.73	0.04	0.8
33742	Core	225	1.69	6.0	0.93	1.57	1.52	0.11	0.70	9.4	0.06	35	0.86	0.03	0.6
33743	Core	202	2.38	6.4	0.55	4.81	1.06	0.02	1.03	12.0	0.07	25	0.70	0.04	1.1
33744	Core	221	2.40	5.4	0.46	5.93	0.92	0.01	1.46	11.1	0.08	21	0.43	0.06	1.2
33745	Core	198	2.62	6.2	0.48	6.40	0.92	0.01	1.41	12.4	0.08	22	0.65	0.06	1.2
33746	Core	98	6.69	35.2	1.41	4.82	0.15	0.05	2.06	8.1	0.84	287	10.71	<0.01	6.6
33747	Core	216	2.56	5.9	0.65	3.04	1.46	<0.01	0.95	8.5	0.07	21	0.68	0.03	0.8
33748	Core	230	2.26	6.8	0.58	4.28	1.01	0.02	1.11	8.7	0.08	17	0.52	0.04	0.9
33749	Core	218	2.53	7.8	0.45	4.03	0.97	0.02	0.99	7.4	0.07	17	0.50	0.04	1.1
33750	Core	212	2.51	14.7	0.49	4.70	1.08	0.07	1.01	7.6	0.07	18	0.51	0.03	1.1
33751	Core	203	2.25	8.5	0.49	3.53	0.93	0.02	0.85	6.9	0.05	18	0.53	0.03	0.8
33752	Core	235	2.09	4.7	0.47	4.26	0.93	0.03	0.97	6.7	0.06	18	0.42	0.04	0.8
33753	Core	207	2.06	6.5	0.44	4.28	0.95	0.02	0.89	7.0	0.06	19	0.54	0.04	0.9
33754	Core	225	2.27	6.6	0.56	4.39	0.96	0.05	1.14	8.1	0.07	27	0.61	0.05	1.1
33755	Core	217	7.88	647.2	2.39	17.62	1.12	0.17	3.75	11.7	0.27	121	0.77	0.12	1.7
33756	Core	198	4.06	54.6	3.20	12.10	0.90	0.04	2.38	11.4	0.35	682	0.42	0.09	1.8
33757	Core	179	3.60	31.0	0.53	11.52	0.80	0.07	2.06	13.9	0.11	21	0.58	0.08	1.7
33758	Core	173	6.41	65.4	1.50	18.58	0.75	0.09	3.18	27.8	0.21	55	0.55	0.14	2.0
33759	Core	190	4.65	10.0	0.40	12.22	1.03	0.04	2.27	15.5	0.12	22	0.52	0.10	1.7
33760	Core	152	3.23	9.3	0.39	7.62	0.93	0.05	1.27	19.1	0.08	20	0.49	0.05	1.4
33761	Core	213	7.69	37.8	1.85	18.16	1.04	0.05	4.15	16.3	0.23	51	1.06	0.16	2.0
33762	Core	204	3.76	28.4	1.51	13.01	0.90	0.04	2.51	15.5	0.21	124	0.54	0.10	1.9

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33763	Core	194	2.11	10.7	0.78	6.08	0.56	0.02	1.36	8.6	0.09	109	0.43	0.06	1.2
33764	Core	141	1.32	13.4	0.56	4.23	0.45	0.01	0.65	6.6	0.05	71	0.42	0.03	0.9
33765	Core	146	1.53	10.9	0.79	4.48	0.68	0.02	0.76	7.3	0.04	27	0.46	0.03	0.9
33766	Core	169	1.69	9.7	0.60	5.08	0.60	0.01	0.88	8.6	0.05	17	0.46	0.03	0.9

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12-360-05787-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-427

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33723	Core	58.5	436	38.3	0.003	1.34	18.6	<0.01	<1.0	204.6	2.6	165.6	0.55	0.13	21.1
33724	Core	51.8	442	25.9	0.007	1.00	18.0	<0.01	1.6	209.8	2.6	165.5	0.29	0.21	21.1
33725	Core	46.9	753	18.9	0.005	0.99	16.5	<0.01	1.7	200.4	2.3	170.2	0.28	0.13	19.8
33726	Core	49.5	699	27.7	<0.002	1.51	20.5	<0.01	1.3	206.7	2.8	99.3	0.47	0.32	21.2
33727	Core	50.6	607	34.9	0.002	1.81	17.2	<0.01	1.8	171.2	2.3	78.2	0.37	0.18	19.7
33728	Core	53.9	744	26.6	<0.002	1.47	20.0	<0.01	<1.0	216.8	2.7	95.5	0.33	0.26	20.0
33729	Core	48.6	718	28.4	0.006	1.15	18.8	<0.01	1.6	198.6	4.7	84.9	0.28	0.17	20.5
33730	Core	52.4	778	26.8	<0.002	1.42	17.9	<0.01	2.1	186.6	2.7	86.9	0.28	0.19	19.6
33731	Core	45.4	647	24.2	<0.002	1.64	18.1	0.011	1.9	193.4	2.4	75.9	0.37	0.13	19.5
33732	Core	52.2	748	26.2	<0.002	3.11	19.3	0.098	4.4	209.5	2.9	79.0	0.27	0.16	17.2
33733	Core	43.7	560	62.5	0.002	2.14	16.9	0.037	5.0	207.1	5.1	61.9	0.27	<0.05	19.1
33734	Core	30.9	511	59.6	<0.002	2.40	15.7	0.041	4.0	172.4	6.1	119.3	0.23	0.10	14.7
33735	Core	52.4	762	18.3	0.002	1.98	20.4	0.040	2.8	214.9	3.1	173.2	0.27	0.14	19.2
33736	Core	50.2	477	22.5	0.006	1.59	15.2	0.022	<1.0	162.4	2.4	283.3	0.24	0.10	17.5
33737	Core	3.1	34	27.5	<0.002	1.24	2.3	0.018	4.0	36.0	1.0	44.7	0.08	0.11	4.7
33738	Core	3.2	22	19.4	0.005	1.24	1.3	<0.01	7.8	26.0	0.8	32.3	0.05	<0.05	3.1
33739	Core	2.9	98	27.9	0.003	1.01	2.5	0.046	6.6	44.5	1.3	58.3	0.08	<0.05	4.4
33740	Core	2.9	19	78.3	0.002	1.42	2.3	0.029	17.7	51.8	6.6	29.9	0.09	0.07	3.6
33741	Core	3.7	88	102.5	<0.002	2.43	1.8	0.038	10.5	45.5	7.6	40.8	0.08	0.11	4.2
33742	Core	3.7	215	53.0	<0.002	13.45	1.0	0.036	15.3	27.4	3.6	38.5	0.06	<0.05	3.8
33743	Core	4.0	90	15.3	0.005	1.99	2.4	0.016	8.9	42.6	0.8	59.3	0.11	0.12	5.1
33744	Core	2.9	108	25.1	0.003	1.21	2.9	<0.01	10.0	50.3	0.9	52.9	0.10	<0.05	4.9
33745	Core	3.7	83	32.0	<0.002	1.37	2.9	<0.01	11.0	53.1	0.9	65.1	0.10	0.08	4.9
33746	Core	66.1	4953	5.6	0.040	17.42	5.7	1.607	11.9	104.0	1.5	125.4	0.44	0.54	5.8
33747	Core	3.7	45	57.2	0.003	3.29	2.0	0.018	8.2	35.6	0.6	18.6	0.06	<0.05	3.2
33748	Core	3.6	402	35.6	0.003	2.01	2.1	0.028	12.5	39.3	0.7	244.7	0.10	<0.05	7.0
33749	Core	3.7	158	9.5	<0.002	1.21	2.0	0.013	34.9	39.7	0.8	98.2	0.09	<0.05	5.1
33750	Core	2.8	42	17.3	0.004	1.63	2.1	0.029	20.3	39.8	0.8	51.6	0.08	0.06	7.4
33751	Core	3.6	108	62.7	0.005	1.59	1.5	0.031	15.9	35.5	0.7	84.4	0.06	<0.05	6.2
33752	Core	2.9	144	14.4	0.005	0.86	2.0	0.013	11.6	37.3	0.6	55.4	0.07	0.05	6.8
33753	Core	3.4	79	38.5	0.003	1.04	2.0	0.012	9.6	37.1	0.6	64.0	0.08	<0.05	11.1
33754	Core	2.9	158	71.5	<0.002	1.60	2.8	0.024	13.5	45.2	1.1	63.4	0.09	<0.05	5.2
33755	Core	26.2	303	1732.9	0.003	4.30	10.7	0.116	15.6	139.7	1.9	183.5	0.16	0.07	18.5
33756	Core	28.3	192	30.4	<0.002	0.97	8.2	0.021	4.5	85.6	1.4	200.9	0.13	0.18	12.4
33757	Core	6.5	174	105.8	<0.002	1.34	6.8	0.016	2.0	90.1	1.8	156.8	0.44	0.11	11.7
33758	Core	24.6	300	27.1	<0.002	2.00	11.7	0.062	2.5	147.8	2.1	294.7	0.29	0.12	15.8
33759	Core	3.6	292	45.7	<0.002	1.34	6.9	<0.01	2.7	107.2	4.5	290.6	0.19	0.12	8.4
33760	Core	3.0	185	81.5	<0.002	1.77	3.9	0.024	2.0	70.9	5.1	160.9	0.12	<0.05	6.5
33761	Core	15.9	318	33.8	0.005	2.11	11.1	0.024	1.2	153.9	1.9	167.1	0.22	<0.05	15.1
33762	Core	15.3	168	14.4	0.002	1.31	7.5	0.032	3.0	106.9	1.4	140.7	0.15	0.08	14.2

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12-360-05787-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33763	Core	6.8	103	9.9	0.003	0.73	3.7	<0.01	2.4	51.9	0.9	85.5	0.14	<0.05	7.5
33764	Core	6.5	114	12.9	<0.002	0.88	2.9	0.144	3.7	38.0	0.8	94.8	0.09	0.06	7.5
33765	Core	3.6	157	14.4	0.005	1.24	2.8	0.086	3.0	42.2	0.8	149.4	0.10	<0.05	8.7
33766	Core	3.3	89	12.8	<0.002	2.06	2.5	0.019	4.5	46.3	0.8	68.6	0.09	<0.05	4.6

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12-360-05787-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-429

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33723	Core	0.096	1.12	4.8	87	1.7	9.0	145	88.7
33724	Core	0.111	1.23	4.0	86	1.9	8.9	132	90.6
33725	Core	0.114	1.12	4.4	87	1.5	8.8	119	82.4
33726	Core	0.165	1.08	5.2	90	0.8	8.9	116	100.0
33727	Core	0.139	1.06	5.4	84	1.2	8.3	125	97.8
33728	Core	0.142	1.09	5.2	96	0.9	9.1	127	92.0
33729	Core	0.120	1.04	5.1	85	0.8	9.0	117	95.6
33730	Core	0.127	1.16	5.2	91	0.8	8.1	128	98.7
33731	Core	0.111	1.13	5.4	78	1.5	8.3	110	96.0
33732	Core	0.106	1.19	5.4	92	1.2	8.5	134	99.0
33733	Core	0.149	1.31	4.9	86	1.9	7.7	205	90.7
33734	Core	0.110	1.04	4.2	78	2.2	7.0	241	84.0
33735	Core	0.138	1.25	5.9	98	2.2	9.8	293	103.4
33736	Core	0.106	0.87	4.6	83	5.1	8.9	312	99.5
33737	Core	0.030	0.43	0.8	15	1.4	2.4	14	31.8
33738	Core	0.017	0.32	0.6	10	1.0	1.5	3	22.7
33739	Core	0.032	0.49	1.1	18	1.3	2.8	6	38.6
33740	Core	0.037	0.47	0.9	16	1.4	2.9	5	42.7
33741	Core	0.032	0.54	1.1	13	2.4	2.6	6	38.1
33742	Core	0.023	0.88	0.8	9	2.0	2.3	9	22.6
33743	Core	0.038	0.35	1.3	17	1.4	3.5	7	39.1
33744	Core	0.048	0.40	1.3	26	1.5	3.7	5	47.0
33745	Core	0.051	0.37	1.3	26	1.5	3.9	5	54.2
33746	Core	0.238	13.02	7.6	378	34.1	24.0	262	69.8
33747	Core	0.035	0.46	0.9	17	1.7	2.5	8	32.5
33748	Core	0.044	0.57	1.2	20	2.2	3.8	5	43.5
33749	Core	0.040	0.47	1.1	17	2.0	3.3	4	44.7
33750	Core	0.036	0.36	1.2	18	2.1	2.7	5	38.7
33751	Core	0.023	0.37	1.0	13	1.1	2.5	6	30.0
33752	Core	0.031	0.31	1.1	17	1.2	2.8	2	41.0
33753	Core	0.036	0.32	1.2	16	1.2	3.2	4	42.5
33754	Core	0.042	0.31	1.1	18	1.1	3.0	7	41.4
33755	Core	0.081	0.90	3.8	60	3.0	6.2	255	85.6
33756	Core	0.062	0.57	2.4	48	2.1	6.5	211	75.5
33757	Core	0.054	0.60	2.3	36	2.7	4.9	14	56.3
33758	Core	0.067	0.97	4.1	56	3.4	7.1	82	82.1
33759	Core	0.059	0.64	2.2	38	2.4	5.8	5	64.1
33760	Core	0.033	0.38	1.4	20	1.9	3.7	8	50.6
33761	Core	0.087	0.99	3.8	62	3.5	6.3	65	81.1
33762	Core	0.064	0.58	2.9	45	2.6	5.5	41	76.2

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Certificate of Analysis

12-360-05787-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33763	Core	0.044	0.37	1.6	25	2.0	3.4	14	44.7
33764	Core	0.023	0.25	1.4	13	1.5	2.8	9	39.8
33765	Core	0.024	0.28	1.5	14	2.5	3.4	8	41.6
33766	Core	0.030	0.36	1.0	15	1.7	2.9	2	40.9

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Northern Tiger Resources
#220 17010 103rd Ave
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Vol 2-431

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33723	Core			0.02	93.29	3.4	48.5	>10	20.3	841	3.64	0.45	0.05	0.23	24.9
33723 Dup				0.03	94.75	3.4	48.2	>10	21.8	886	3.86	0.49	0.04	0.21	25.1
QCV1208-01923-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-DS-1 expected				0.47				4.48	6930.0	221					9.5
STD-DS-1 result				0.51				4.95	7420.4	243					9.6
33741	Core			0.75	27.45	1.2	12.5	2.46	1266.5	157	0.38	0.02	0.02	0.23	1.0
33741 Dup				0.69	27.24	1.2	12.0	2.70	1359.7	170	0.52	0.02	0.03	0.29	1.0
QCV1208-01923-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.73								2.57			16.8
33759	Core			0.24	43.99	2.1	21.2	5.78	82.7	414	0.60	0.11	0.01	0.25	1.5
33759 Dup				0.30	36.18	2.1	18.2	5.45	88.0	422	0.99	0.12	0.01	0.25	1.3
QCV1208-01923-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.74								2.90			17.2
33723	Core		0.1												
33723 Dup			<0.1												
QCV1208-01924-0002-BLK			<0.1												
STD-OREAS 902-AR expected			0.3												
STD-OREAS 902-AR result			0.3												
33741	Core		0.7												
33741 Dup			0.7												
QCV1208-01924-0005-BLK			<0.1												
STD-Oreas501 expected			0.7												
STD-Oreas501 result			0.8												
33759	Core		0.3												
33759 Dup			0.2												
QCV1208-01924-0008-BLK			0.1												
STD-OREAS 902-AR expected			0.3												
STD-OREAS 902-AR result			0.3												
33723	Core	0.008													
33723 Dup		0.007													
QCV1208-01925-0002-BLK		<0.005													
33749	Core	0.019													
33749 Dup		0.018													
STD-OxG84 expected		0.922													
STD-OxG84 result		0.900													
QCV1208-01925-0005-BLK		<0.005													
STD-OxE101 expected		0.607													
STD-OxE101 result		0.571													

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Northern Tiger Resources
#220 17010 103rd Ave
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Vol 2-432

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33723	Core	156	9.30	94.9	5.43	28.71	1.34	0.07	4.63	100.0	0.83	775	0.53	0.60	2.7
33723 Dup		153	9.16	97.0	4.92	29.87	1.27	0.08	4.39	98.1	0.75	680	0.55	0.54	3.0
QCV1208-01923-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-DS-1 expected				27.1							2.76	437			
STD-DS-1 result				27.9							2.99	471			
33741	Core	168	2.33	8.0	0.53	3.30	1.20	0.07	1.08	9.3	0.07	28	0.73	0.04	0.8
33741 Dup		167	2.28	8.2	0.56	3.27	1.12	0.07	1.15	9.2	0.08	31	0.69	0.04	0.9
QCV1208-01923-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result				2335.0											
33759	Core	190	4.65	10.0	0.40	12.22	1.03	0.04	2.27	15.5	0.12	22	0.52	0.10	1.7
33759 Dup		194	4.44	10.3	0.40	11.05	0.91	0.04	2.28	14.1	0.12	19	0.48	0.10	1.9
QCV1208-01923-0008-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result				2411.0											
STD-OREAS 902-AR expected															
STD-OREAS 902-AR result															
STD-Oreas501 expected															
STD-Oreas501 result															
STD-OREAS 902-AR expected															
STD-OREAS 902-AR result															
STD-OxG84 expected															
STD-OxG84 result															
STD-OxE101 expected															
STD-OxE101 result															

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-433

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33723	Core	58.5	436	38.3	0.003	1.34	18.6	<0.01	<1.0	204.6	2.6	165.6	0.55	0.13	21.1
33723 Dup		53.5	404	41.9	0.003	1.38	18.1	<0.01	<1.0	207.0	2.6	168.9	0.48	0.24	21.0
QCV1208-01923-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-DS-1 expected		48.7	340	13.8											
STD-DS-1 result		47.3	263	11.8											
33741	Core	3.7	88	102.5	<0.002	2.43	1.8	0.038	10.5	45.5	7.6	40.8	0.08	0.11	4.2
33741 Dup		3.5	112	101.3	0.003	2.48	2.0	0.041	10.6	45.9	7.3	41.8	0.10	<0.05	4.4
QCV1208-01923-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected				9.8		1.16		0.310			10.6				
STD-OREAS92-4A result				11.2		1.21		0.292			10.1				
33759	Core	3.6	292	45.7	<0.002	1.34	6.9	<0.01	2.7	107.2	4.5	290.6	0.19	0.12	8.4
33759 Dup		3.2	316	41.4	0.004	1.36	5.9	<0.01	2.2	91.8	4.5	255.4	0.22	0.05	8.3
QCV1208-01923-0008-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected				9.8		1.16		0.310			10.6				
STD-OREAS92-4A result				10.8		1.27		0.279			10.8				
STD-OREAS 902-AR expected															
STD-OREAS 902-AR result															
STD-Oreas501 expected															
STD-Oreas501 result															
STD-OREAS 902-AR expected															
STD-OREAS 902-AR result															
STD-OxG84 expected															
STD-OxG84 result															
STD-OxE101 expected															
STD-OxE101 result															

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Northern Tiger Resources
#220 17010 103rd Ave
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Vol 2-434

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33723	Core	0.096	1.12	4.8	87	1.7	9.0	145	88.7
33723 Dup		0.096	1.20	5.4	80	2.0	8.9	135	96.1
QCV1208-01923-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-DS-1 expected			20.00					206	
STD-DS-1 result			19.36					210	
33741	Core	0.032	0.54	1.1	13	2.4	2.6	6	38.1
33741 Dup		0.036	0.52	1.1	14	2.1	2.9	7	38.2
QCV1208-01923-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result								80	
33759	Core	0.059	0.64	2.2	38	2.4	5.8	5	64.1
33759 Dup		0.065	0.64	2.2	39	2.3	5.1	6	60.3
QCV1208-01923-0008-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result								83	
STD-OREAS 902-AR expected									
STD-OREAS 902-AR result									
STD-Oreas501 expected									
STD-Oreas501 result									
STD-OREAS 902-AR expected									
STD-OREAS 902-AR result									
STD-OxG84 expected									
STD-OxG84 result									
STD-OxE101 expected									
STD-OxE101 result									

Certificate of Analysis

12-360-05791-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

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Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-019**
Client Reference: **Core-12-019**
Description: **3 ACE**

Date Received: 08/20/2012
Date Completed: 08/28/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	49	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg
Whitehorse, YT	2	Pulp	

Location	Quantity	Method	Description
Vancouver, BC	51	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	51	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	51	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-435

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Certificate of Analysis

12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-436

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33767	Core	0.032	<0.1	0.16	19.59	2.1	9.2	2.75	104.4	146	0.55	0.09	<0.01	0.57	0.5
33768	Core	0.012	<0.1	<0.01	12.00	1.1	9.9	2.68	28.4	133	0.31	0.07	0.01	<0.02	1.9
33769	Core	0.006	<0.1	<0.01	16.83	1.2	7.6	2.78	49.1	143	0.40	0.09	0.01	<0.02	0.9
33770	Core	<0.005	<0.1	<0.01	18.22	1.2	9.1	2.71	33.2	127	0.75	0.07	0.01	0.28	0.5
33771	Core	0.007	<0.1	<0.01	27.05	1.8	12.0	3.52	814.8	173	0.58	0.08	0.01	<0.02	2.0
33772	Core	0.005	<0.1	<0.01	30.57	1.7	14.3	3.74	780.0	184	0.72	0.05	0.02	0.55	5.1
33773	Core	0.058	<0.1	<0.01	24.03	1.4	11.5	3.77	982.1	203	1.03	0.08	0.04	1.32	5.4
33774	Core	0.083	<0.1	<0.01	22.00	2.0	11.3	5.66	928.5	326	1.58	0.05	0.02	1.02	6.8
33775	Core	0.017	<0.1	<0.01	21.39	1.4	9.9	3.14	1646.8	178	0.65	0.06	0.01	0.84	3.5
33776	Core	<0.005	<0.1	0.01	23.53	2.1	10.9	3.08	710.3	148	0.58	0.05	0.02	0.65	2.9
33777	Core	<0.005	<0.1	<0.01	21.27	1.5	10.1	2.91	233.8	145	0.72	0.07	0.01	0.47	0.9
33778	Core	0.009	<0.1	<0.01	19.04	1.4	9.1	2.78	114.3	144	0.50	0.06	0.01	0.91	2.8
33779	Core	<0.005	<0.1	<0.01	29.70	1.9	13.6	4.12	394.4	247	0.79	0.06	0.02	1.05	5.1
33780	Core	0.132	<0.1	<0.01	23.47	2.2	11.4	4.02	>10000	176	0.85	0.17	0.02	1.93	9.1
33781	Core	0.010	<0.1	<0.01	25.29	2.6	12.4	6.39	2372.0	431	1.93	0.12	0.03	1.59	9.1
33782	Core	0.008	<0.1	0.26	24.02	3.2	11.2	6.25	1834.4	352	2.55	0.10	0.02	1.61	11.4
33783	Pulp	<0.005	<0.1	<0.01	24.07	2.3	11.0	6.83	1989.3	348	3.55	0.10	0.03	2.04	11.7
33784	Core	0.161	<0.1	<0.01	23.62	1.6	11.4	3.98	>10000	190	0.43	0.11	0.02	2.29	5.6
33785	Core	0.084	<0.1	<0.01	15.19	1.1	7.8	2.37	5084.7	89	0.35	0.04	<0.01	1.55	2.7
33786	Core	0.170	<0.1	<0.01	18.71	1.3	9.6	3.27	4398.8	127	0.78	0.04	0.03	0.21	3.7
33787	Core	0.007	<0.1	<0.01	16.86	1.2	8.3	2.67	1593.8	110	0.50	0.08	0.02	1.11	2.7
33788	Core	0.007	<0.1	<0.01	13.32	1.1	6.8	2.94	128.8	113	0.46	0.08	0.03	1.74	2.2
33801	Core	<0.005	<0.1	<0.01	91.55	3.3	51.0	>10	10.7	712	3.58	0.37	0.13	2.95	16.2
33802	Core	<0.005	<0.1	<0.01	96.10	3.3	52.0	>10	17.6	561	3.13	0.53	0.11	1.48	16.4
33803	Core	<0.005	<0.1	<0.01	99.31	3.3	52.6	>10	22.9	547	3.46	0.47	0.20	2.49	19.0
33804	Core	<0.005	<0.1	<0.01	88.57	3.6	50.4	>10	3.0	573	3.59	0.52	0.17	1.96	18.0
33805	Core	<0.005	<0.1	<0.01	45.46	1.8	22.4	5.55	16.5	164	1.29	0.20	0.57	<0.02	10.3
33806	Core	0.009	<0.1	<0.01	29.51	1.4	14.3	2.78	37.5	65	0.67	0.08	0.37	<0.02	5.8
33807	Core	0.076	<0.1	<0.01	18.54	1.1	9.0	3.20	753.6	69	0.24	0.08	0.24	0.60	3.5
33808	Core	0.016	<0.1	<0.01	20.57	1.3	10.2	2.79	54.9	103	0.53	0.06	0.85	<0.02	3.6
33809	Core	0.008	<0.1	<0.01	25.01	1.4	12.5	3.07	22.3	83	0.75	0.08	0.86	<0.02	4.1
33810	Core	0.012	<0.1	<0.01	26.41	1.2	14.7	3.02	74.6	65	0.39	0.07	0.88	0.20	3.0
33811	Core	0.007	<0.1	<0.01	28.15	1.2	14.3	3.34	28.5	94	0.57	0.04	0.87	0.23	3.4
33812	Core	0.025	<0.1	<0.01	25.14	1.4	12.7	3.16	61.5	100	1.05	0.05	0.82	1.06	4.2
33813	Core	0.057	<0.1	0.23	14.64	2.2	7.1	2.42	471.1	67	0.51	0.07	0.30	0.05	3.6
33814	Core	0.009	<0.1	<0.01	34.33	1.4	14.9	2.93	40.4	95	0.66	0.06	0.48	<0.02	5.0
33815	Core	0.015	<0.1	<0.01	19.83	1.5	9.3	2.35	47.6	66	0.34	0.06	0.77	<0.02	3.8
33816	Core	0.006	<0.1	<0.01	21.13	1.5	9.7	2.75	36.2	87	0.74	0.07	0.56	0.03	4.3
33817	Core	0.059	<0.1	<0.01	17.44	1.7	8.6	4.07	81.5	174	1.41	0.17	0.59	0.28	6.5
33818	Core	0.008	<0.1	<0.01	42.85	1.8	19.8	5.54	44.0	222	1.36	0.12	1.05	0.12	10.6

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Certificate of Analysis

12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33819	Core	0.014	<0.1	<0.01	22.34	1.2	10.3	2.62	308.5	69	0.88	0.06	1.23	9.84	7.0
33820	Core	0.024	<0.1	<0.01	43.85	2.9	21.6	>10	105.0	532	3.34	0.39	0.60	1.70	11.6
33821	Core	0.021	<0.1	0.07	33.73	2.5	18.0	>10	89.6	592	5.33	0.45	0.44	1.83	13.0
33822	Core	0.060	<0.1	0.01	34.63	2.6	20.8	>10	107.7	607	4.68	0.68	0.46	0.23	28.0
33823	Core	0.102	<0.1	<0.01	42.93	2.3	22.9	>10	92.0	537	3.95	0.55	1.57	0.07	19.4
33824	Pulp	<0.005	<0.1	0.01	0.95	<0.1	0.7	0.06	0.5	13	0.15	0.02	>10	0.07	0.9
33825	Core	0.127	<0.1	<0.01	25.63	2.2	13.6	>10	116.7	577	4.34	0.60	1.68	0.11	23.1
33826	Core	<0.005	<0.1	<0.01	31.11	2.3	18.6	>10	109.7	644	6.12	0.61	1.45	0.16	19.5
33827	Core	<0.005	<0.1	<0.01	52.29	2.0	27.9	9.57	170.6	575	4.58	0.46	4.48	0.10	17.6
33828	Core	<0.005	<0.1	0.34	51.10	1.6	28.9	5.69	86.8	350	3.02	0.45	>10	0.06	17.4
33829	Core	0.017	<0.1	<0.01	67.53	1.7	35.0	7.41	85.0	473	2.69	0.43	8.94	0.08	16.0

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Certificate of Analysis

12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33767	Core	218	1.69	14.8	0.64	6.52	1.24	0.01	0.89	7.3	0.05	18	0.38	0.03	1.5
33768	Core	231	1.29	14.0	0.52	5.89	0.98	<0.01	0.79	6.1	0.04	20	0.51	0.02	0.9
33769	Core	235	1.57	14.0	0.54	6.68	1.06	0.01	0.76	8.5	0.04	20	0.47	0.02	1.1
33770	Core	203	1.71	11.4	0.40	5.94	1.02	0.01	0.64	9.0	0.04	17	0.46	0.02	0.8
33771	Core	202	2.28	14.0	0.66	8.85	1.11	0.02	1.08	7.1	0.08	57	0.39	0.04	1.4
33772	Core	217	2.71	14.8	1.23	9.05	1.03	0.02	1.10	7.7	0.16	262	0.47	0.04	1.2
33773	Core	221	2.55	13.7	1.63	9.10	1.33	0.02	1.13	10.2	0.18	344	0.45	0.03	1.2
33774	Core	214	5.31	17.7	1.85	14.02	1.28	0.03	2.21	10.6	0.27	349	0.47	0.06	1.7
33775	Core	199	2.05	15.3	0.99	7.27	1.05	0.03	1.00	10.9	0.11	207	0.39	0.04	1.0
33776	Core	225	1.49	9.9	1.03	6.02	0.83	0.01	0.83	8.6	0.09	235	0.49	0.03	1.4
33777	Core	230	1.25	10.8	0.81	6.33	0.78	0.01	0.77	6.8	0.05	27	0.48	0.03	1.1
33778	Core	234	1.19	11.5	0.95	6.01	0.95	0.01	0.79	6.0	0.07	160	0.52	0.03	0.9
33779	Core	190	1.81	15.6	1.49	9.36	0.92	0.01	1.50	6.7	0.18	350	0.37	0.05	1.4
33780	Core	246	1.64	10.9	2.14	8.33	1.35	0.03	1.16	5.3	0.10	260	0.70	0.03	1.4
33781	Core	192	3.02	21.8	1.90	18.33	1.14	0.04	2.89	8.2	0.28	343	0.47	0.07	2.1
33782	Core	215	2.50	18.2	1.69	20.97	1.49	0.03	2.75	14.2	0.27	287	0.53	0.07	2.2
33783	Pulp	231	2.55	19.6	1.86	21.77	1.56	0.03	2.93	14.4	0.29	312	0.50	0.07	1.8
33784	Core	258	1.80	7.6	1.64	8.70	1.66	0.03	1.23	7.0	0.09	23	0.84	0.03	1.1
33785	Core	294	1.12	8.7	0.86	4.70	1.62	0.03	0.69	4.3	0.06	28	0.67	0.02	0.7
33786	Core	239	1.65	16.6	0.89	7.25	1.38	0.04	0.94	6.3	0.07	30	0.49	0.02	1.0
33787	Core	241	1.64	10.1	0.59	5.72	1.10	0.02	0.71	6.4	0.05	155	0.53	0.02	0.9
33788	Core	227	1.87	12.6	0.50	5.79	0.96	0.03	0.90	7.2	0.06	64	0.44	0.03	0.8
33801	Core	119	6.97	54.5	5.31	33.86	1.70	0.07	5.25	112.6	1.35	617	0.60	0.52	5.3
33802	Core	115	7.01	55.7	5.47	30.29	1.39	0.07	5.29	79.8	1.29	521	0.86	0.63	4.1
33803	Core	129	7.33	61.9	5.97	30.98	1.36	0.07	5.89	75.2	1.43	568	0.45	0.70	4.1
33804	Core	120	7.40	57.7	5.39	32.74	1.39	0.08	5.52	74.0	1.33	515	0.39	0.59	3.9
33805	Core	319	2.66	26.7	3.47	13.06	1.08	0.03	1.57	65.1	0.76	938	0.67	0.65	2.8
33806	Core	186	1.61	11.9	1.80	6.78	0.74	0.01	0.50	21.1	0.31	438	0.45	0.74	1.1
33807	Core	277	1.77	9.8	1.75	6.47	1.10	0.01	0.67	6.7	0.11	664	0.52	0.95	0.8
33808	Core	239	1.96	12.5	0.97	6.49	0.76	0.01	0.67	8.0	0.11	286	0.49	0.70	0.8
33809	Core	274	2.01	10.9	0.96	7.15	0.77	<0.01	0.73	14.2	0.12	239	0.61	0.84	0.9
33810	Core	257	1.58	10.9	1.12	6.20	0.78	0.01	0.64	11.2	0.16	311	0.49	1.00	0.8
33811	Core	279	1.99	12.8	1.40	7.14	0.72	0.01	0.95	10.1	0.17	288	0.50	0.74	0.8
33812	Core	234	2.05	11.4	1.33	8.16	1.04	0.01	0.87	19.7	0.26	269	0.51	0.88	0.9
33813	Core	240	1.69	6.9	1.25	6.27	1.19	0.01	0.58	5.8	0.07	460	0.50	0.63	1.0
33814	Core	192	2.27	8.9	1.27	7.99	0.87	0.01	0.78	54.2	0.18	165	0.41	0.80	0.8
33815	Core	262	2.18	8.3	1.15	6.37	0.81	0.01	0.54	48.6	0.10	223	0.48	0.73	0.8
33816	Core	227	2.11	14.1	1.20	7.49	0.66	0.01	0.70	36.5	0.16	271	0.39	0.43	1.0
33817	Core	223	3.34	23.3	2.01	12.55	0.90	0.03	1.39	63.1	0.20	484	0.56	0.42	1.6
33818	Core	199	3.95	24.9	3.06	17.27	0.84	0.03	1.73	103.9	0.26	426	0.47	0.16	2.7

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Certificate of Analysis

12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33819	Core	234	1.86	13.9	2.95	7.51	0.84	0.01	0.55	64.7	0.25	976	0.46	0.06	0.8
33820	Core	133	7.85	57.1	3.78	31.53	1.50	0.06	3.80	86.0	0.77	427	0.57	0.31	4.3
33821	Core	156	7.25	58.3	3.46	31.18	1.38	0.06	3.97	85.6	0.82	447	0.83	0.33	4.2
33822	Core	99	8.50	58.0	4.42	31.62	1.43	0.07	4.25	69.5	0.74	371	0.71	0.42	4.7
33823	Core	87	7.32	50.2	4.29	29.08	1.23	0.06	4.14	64.2	1.02	688	0.49	0.40	4.6
33824	Pulp	12	0.31	1.7	0.43	0.34	<0.05	<0.01	0.05	1.4	>10	206	0.06	0.01	0.2
33825	Core	84	8.08	56.3	4.59	30.43	1.46	0.07	4.12	67.8	1.13	785	0.62	0.41	2.1
33826	Core	96	8.35	62.9	3.89	32.06	1.20	0.07	4.31	72.3	0.99	649	0.55	0.45	4.4
33827	Core	91	7.72	58.5	3.77	30.88	1.09	0.06	4.02	81.2	1.13	1068	0.39	0.41	5.1
33828	Core	59	5.16	31.6	3.43	19.10	0.57	0.04	2.76	80.4	0.82	1445	0.50	0.27	3.3
33829	Core	72	6.64	39.2	2.96	22.13	0.80	0.05	3.21	72.2	0.76	1183	0.39	0.31	3.5

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Certificate of Analysis

12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-440

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33767	Core	3.5	33	13.7	<0.002	1.52	2.0	0.024	4.2	34.0	0.9	73.3	0.31	<0.05	6.6
33768	Core	6.2	161	8.4	0.004	0.78	1.5	0.210	6.5	26.0	1.8	94.5	0.19	<0.05	5.2
33769	Core	4.6	88	8.8	<0.002	0.74	1.7	0.039	7.9	28.1	0.8	100.4	0.16	0.18	7.7
33770	Core	4.3	86	3.1	0.002	0.65	1.8	<0.01	7.0	23.9	0.8	83.0	0.16	<0.05	6.5
33771	Core	9.5	73	2.4	0.003	1.03	3.0	0.077	6.2	37.2	3.1	106.2	0.20	0.08	9.7
33772	Core	18.6	112	5.7	<0.002	1.01	4.0	0.094	5.6	39.9	2.8	122.2	0.19	<0.05	9.5
33773	Core	19.0	293	<0.5	<0.002	1.60	3.3	0.157	6.4	43.0	3.2	188.0	0.18	<0.05	8.5
33774	Core	24.2	124	<0.5	<0.002	1.84	6.0	0.410	5.6	79.1	2.9	143.0	0.23	0.07	9.7
33775	Core	14.7	145	3.4	<0.002	1.73	2.7	0.096	3.2	36.7	2.2	127.6	0.13	<0.05	8.2
33776	Core	10.3	166	3.5	<0.002	0.93	2.5	0.052	2.8	27.8	2.7	146.0	0.21	<0.05	6.8
33777	Core	7.1	80	9.6	0.002	0.77	2.3	0.092	5.2	30.0	2.4	103.0	0.17	<0.05	6.9
33778	Core	8.9	143	4.9	<0.002	1.00	2.1	0.134	4.5	27.1	2.7	209.6	0.13	<0.05	5.9
33779	Core	12.5	227	0.8	<0.002	1.01	4.1	0.116	2.9	46.0	2.5	279.5	0.17	<0.05	7.9
33780	Core	21.9	121	<0.5	<0.002	9.40	3.8	0.785	6.1	38.7	2.7	161.7	0.15	0.49	9.3
33781	Core	21.9	185	3.0	<0.002	2.42	7.9	0.237	5.7	91.5	3.5	217.6	0.24	0.07	11.1
33782	Core	30.3	201	<0.5	0.002	1.95	12.7	0.181	2.5	92.5	3.3	205.2	0.53	<0.05	10.5
33783	Pulp	29.5	199	<0.5	<0.002	1.93	12.9	0.194	3.7	92.1	3.3	229.3	0.29	<0.05	10.3
33784	Core	20.1	212	3.0	<0.002	9.85	3.6	0.836	10.5	44.1	3.4	225.5	0.11	0.31	7.7
33785	Core	12.2	137	28.4	0.002	4.10	1.9	0.312	7.6	26.7	4.5	101.2	0.06	0.07	5.6
33786	Core	12.5	34	37.9	<0.002	4.11	3.0	0.300	10.2	34.7	1.5	94.1	0.08	<0.05	6.7
33787	Core	12.1	153	7.8	0.003	1.47	2.2	0.133	6.0	27.4	1.9	128.6	0.09	<0.05	7.2
33788	Core	8.7	106	52.7	<0.002	0.82	1.5	0.193	6.0	30.7	2.5	38.5	0.10	<0.05	7.0
33801	Core	49.2	373	7.2	0.002	2.09	19.2	<0.01	3.9	167.4	2.5	120.1	0.50	<0.05	17.4
33802	Core	48.9	463	8.1	<0.002	1.63	16.9	0.012	4.4	140.9	2.4	133.7	0.45	<0.05	17.1
33803	Core	47.4	635	26.2	0.002	1.22	17.9	0.026	2.6	158.1	2.3	153.7	0.45	<0.05	18.0
33804	Core	48.3	573	35.2	0.004	1.42	16.8	<0.01	3.3	156.9	2.5	127.1	0.44	0.07	18.3
33805	Core	24.1	218	26.5	<0.002	0.73	6.6	<0.01	4.1	48.1	1.1	45.2	0.19	<0.05	8.9
33806	Core	11.7	140	3.2	<0.002	0.58	3.0	0.032	4.0	19.4	0.9	17.0	0.10	0.06	6.9
33807	Core	9.8	<10	<0.5	<0.002	2.18	3.0	0.190	4.4	23.4	0.9	33.9	0.07	0.06	6.2
33808	Core	8.1	105	3.6	<0.002	0.82	2.1	0.106	4.9	24.8	0.9	27.8	0.08	0.08	7.1
33809	Core	9.0	101	<0.5	0.004	0.80	2.1	0.069	3.7	25.0	0.9	39.5	0.09	0.06	7.3
33810	Core	6.7	133	1.3	<0.002	1.00	2.1	0.084	4.1	20.6	0.6	46.7	0.08	0.06	6.8
33811	Core	8.7	258	<0.5	<0.002	0.75	2.7	0.038	3.2	28.5	0.8	43.5	0.07	<0.05	6.6
33812	Core	13.3	63	<0.5	<0.002	1.17	2.9	0.141	4.5	30.7	0.7	58.1	0.07	<0.05	7.3
33813	Core	10.0	16	7.6	0.003	2.09	2.4	0.225	<1.0	26.3	1.0	24.4	0.39	0.14	7.0
33814	Core	13.9	54	6.1	0.003	0.84	2.8	0.065	1.5	34.4	0.8	45.7	0.18	<0.05	8.0
33815	Core	10.8	49	5.2	<0.002	0.98	2.0	0.057	1.5	26.0	0.6	49.7	0.15	0.13	8.4
33816	Core	11.0	98	8.4	0.002	0.79	2.5	0.053	1.0	31.3	0.8	25.0	0.13	<0.05	8.3
33817	Core	18.2	175	7.5	0.002	1.78	5.4	0.173	3.5	58.0	1.2	42.2	0.24	<0.05	8.9
33818	Core	27.8	2004	5.7	0.002	1.80	7.6	0.065	4.0	76.9	1.2	63.6	0.23	0.17	9.0

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12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33819	Core	23.0	138	5.4	0.002	1.19	3.4	0.173	2.4	26.4	0.6	23.2	0.10	0.10	5.6
33820	Core	40.0	1401	7.6	<0.002	3.32	16.5	0.062	1.8	174.5	2.4	85.1	0.41	0.15	14.8
33821	Core	40.3	112	13.2	<0.002	5.02	17.2	0.262	5.5	197.1	2.8	86.0	0.48	0.13	13.9
33822	Core	57.9	160	47.6	0.005	18.97	17.2	1.578	2.9	205.0	2.5	106.1	0.47	0.13	12.5
33823	Core	44.5	261	29.7	<0.002	11.54	14.3	1.078	1.4	173.7	2.1	110.4	0.42	<0.05	12.5
33824	Pulp	1.9	<10	2.4	0.003	<0.05	<0.1	<0.01	<1.0	0.8	<0.2	42.9	0.10	<0.05	<0.2
33825	Core	51.2	223	36.0	<0.002	14.18	15.7	1.216	2.2	189.7	2.2	121.4	0.25	0.16	11.8
33826	Core	45.0	260	25.2	0.005	7.92	16.9	0.963	<1.0	209.4	2.4	121.8	0.43	0.18	11.8
33827	Core	34.5	341	23.6	0.003	6.58	15.6	0.698	2.4	195.0	2.1	183.7	0.43	0.31	12.1
33828	Core	32.7	204	31.8	0.004	6.78	10.0	0.956	2.4	127.1	1.5	292.4	0.25	0.21	9.4
33829	Core	25.0	343	26.9	0.003	6.85	11.8	0.828	1.1	148.0	1.6	232.2	0.32	0.17	10.8

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-442

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33767	Core	0.025	0.24	0.9	18	1.8	2.3	18	38.2
33768	Core	0.019	0.19	1.0	13	1.3	1.9	16	27.7
33769	Core	0.023	0.16	1.1	16	1.2	2.5	11	37.7
33770	Core	0.023	0.15	1.1	15	1.3	2.5	11	32.5
33771	Core	0.039	0.21	1.6	25	1.7	3.2	17	48.3
33772	Core	0.036	0.22	1.8	27	2.1	3.7	33	46.1
33773	Core	0.032	0.22	1.6	23	2.9	3.7	36	42.1
33774	Core	0.053	0.47	2.0	39	3.5	4.4	45	57.2
33775	Core	0.032	0.21	1.4	21	1.7	3.1	27	42.3
33776	Core	0.028	0.19	1.2	19	1.1	2.7	27	36.5
33777	Core	0.027	0.20	1.1	16	1.1	2.7	22	40.2
33778	Core	0.025	0.17	1.2	18	1.2	2.9	23	36.2
33779	Core	0.046	0.28	1.6	32	1.5	4.4	43	54.8
33780	Core	0.037	0.23	1.8	27	2.6	4.4	32	61.0
33781	Core	0.059	0.52	2.7	52	3.0	5.6	51	73.7
33782	Core	0.056	0.52	3.1	51	2.2	5.0	48	73.1
33783	Pulp	0.061	0.53	2.9	55	2.2	5.0	51	72.6
33784	Core	0.037	0.25	1.7	26	2.7	3.9	23	51.0
33785	Core	0.022	0.16	1.2	14	2.1	2.6	36	34.5
33786	Core	0.029	0.20	1.5	20	1.9	3.5	34	41.1
33787	Core	0.023	0.16	1.4	15	1.4	3.1	16	37.6
33788	Core	0.023	0.19	1.5	14	1.1	2.6	56	31.8
33801	Core	0.156	0.86	4.4	102	0.9	10.4	117	97.6
33802	Core	0.134	0.85	4.3	98	0.5	9.4	112	93.3
33803	Core	0.146	0.85	4.5	111	0.5	9.3	123	95.9
33804	Core	0.135	0.86	4.6	102	0.5	10.0	111	101.0
33805	Core	0.066	0.26	1.9	40	0.5	5.2	60	61.1
33806	Core	0.027	0.12	1.0	18	0.4	3.6	24	44.0
33807	Core	0.022	0.12	0.9	19	1.9	3.4	17	39.5
33808	Core	0.019	0.14	1.1	16	0.6	3.2	15	37.5
33809	Core	0.021	0.14	1.4	16	0.6	3.4	10	41.7
33810	Core	0.020	0.11	1.2	16	0.7	3.4	9	37.0
33811	Core	0.030	0.15	1.1	23	0.8	3.7	16	43.4
33812	Core	0.027	0.16	1.1	23	1.4	3.8	18	47.0
33813	Core	0.023	0.15	1.0	16	1.1	3.3	14	43.8
33814	Core	0.026	0.18	1.5	20	0.8	3.8	23	42.5
33815	Core	0.027	0.13	1.3	14	0.7	3.7	20	43.5
33816	Core	0.030	0.16	1.2	17	0.4	4.0	21	41.4
33817	Core	0.065	0.33	1.7	32	1.2	5.0	102	50.7
33818	Core	0.088	0.39	2.2	41	1.6	10.8	124	66.3

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Certificate of Analysis

12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33819	Core	0.027	0.23	1.1	15	0.9	6.0	832	28.9
33820	Core	0.284	0.88	3.9	79	1.7	14.9	478	94.4
33821	Core	0.192	0.94	3.6	73	1.4	8.4	327	88.8
33822	Core	0.206	1.03	4.2	84	1.7	6.9	231	81.8
33823	Core	0.179	0.99	3.4	77	1.7	9.4	223	66.3
33824	Pulp	<0.005	<0.02	0.6	3	0.1	0.8	16	<0.5
33825	Core	0.201	0.04	3.5	80	1.2	6.7	294	66.7
33826	Core	0.218	0.95	3.8	78	0.7	9.8	199	77.9
33827	Core	0.167	0.93	3.4	71	0.8	12.3	211	66.7
33828	Core	0.097	0.56	2.8	43	0.7	14.1	105	48.4
33829	Core	0.123	0.74	3.1	49	1.1	11.9	77	58.5

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12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-444

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33815	Core			<0.01	19.83	1.5	9.3	2.35	47.6	66	0.34	0.06	0.77	<0.02	3.8
33815 Dup				<0.01	22.11	1.5	9.9	2.42	42.8	69	0.33	0.07	0.77	<0.02	3.9
QCV1208-01363-0008-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-CDN-ME-6 expected				101.00											
STD-CDN-ME-6 result				96.93											
QCV1208-01363-0010-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
33767	Core		<0.1												
33767 Dup			<0.1												
QCV1208-01364-0002-BLK			<0.1												
STD-CDN-ME-12 expected			52.5												
STD-CDN-ME-12 result			51.4												
33785	Core		<0.1												
33785 Dup			<0.1												
QCV1208-01364-0005-BLK			<0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			<0.1												
33815	Core		<0.1												
33815 Dup			<0.1												
QCV1208-01364-0008-BLK			<0.1												
STD-Oreas501 expected			0.7												
STD-Oreas501 result			0.4												
QCV1208-01364-0010-BLK			<0.1												
33767	Core	0.032													
33767 Dup		0.029													
QCV1208-01365-0002-BLK		<0.005													
33805	Core	<0.005													
33805 Dup		0.007													
STD-OxG84 expected		0.922													
STD-OxG84 result		0.909													
QCV1208-01365-0005-BLK		<0.005													
QCV1208-01365-0006-BLK		<0.005													
STD-OxG84 expected		0.922													
STD-OxG84 result		0.889													
33767	Core			0.16	19.59	2.1	9.2	2.75	104.4	146	0.55	0.09	<0.01	0.57	0.5
33767 Dup				0.08	21.19	1.8	10.2	2.96	121.0	149	0.46	0.08	0.01	0.16	0.5
QCV1208-01699-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.62								2.48			15.6
33785	Core			<0.01	15.19	1.1	7.8	2.37	5084.7	89	0.35	0.04	<0.01	1.55	2.7
33785 Dup				<0.01	15.93	1.1	8.2	2.19	5008.3	88	0.50	0.04	<0.01	0.75	2.8

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
QCV1208-01699-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.63								2.54			16.7

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12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-446

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33815	Core	262	2.18	8.3	1.15	6.37	0.81	0.01	0.54	48.6	0.10	223	0.48	0.73	0.8
33815 Dup		256	1.98	7.4	1.14	6.25	0.82	<0.01	0.56	45.5	0.11	210	0.47	0.73	0.8
QCV1208-01363-0008-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-6 expected				6130.0											
STD-CDN-ME-6 result				5826.7											
QCV1208-01363-0010-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-CDN-ME-12 expected															
STD-CDN-ME-12 result															
STD-OREAS-903 expected															
STD-OREAS-903 result															
STD-Oreas501 expected															
STD-Oreas501 result															
STD-OxG84 expected															
STD-OxG84 result															
STD-OxG84 expected															
STD-OxG84 result															
33767	Core	218	1.69	14.8	0.64	6.52	1.24	0.01	0.89	7.3	0.05	18	0.38	0.03	1.5
33767 Dup		235	1.73	13.4	0.68	6.68	1.35	0.01	0.99	7.7	0.06	20	0.43	0.03	1.1
QCV1208-01699-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result				2294.1											
33785	Core	294	1.12	8.7	0.86	4.70	1.62	0.03	0.69	4.3	0.06	28	0.67	0.02	0.7
33785 Dup		280	1.14	10.0	0.85	5.20	1.66	0.03	0.63	4.5	0.06	27	0.70	0.02	0.8
QCV1208-01699-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result				2178.5											

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12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-447

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33815	Core	10.8	49	5.2	<0.002	0.98	2.0	0.057	1.5	26.0	0.6	49.7	0.15	0.13	8.4
33815 Dup		10.2	30	4.9	0.004	0.91	2.1	0.062	1.9	23.5	0.6	47.5	0.19	<0.05	8.0
QCV1208-01363-0008-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-6 expected				10200											
STD-CDN-ME-6 result				>10000											
QCV1208-01363-0010-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-CDN-ME-12 expected															
STD-CDN-ME-12 result															
STD-OREAS-903 expected															
STD-OREAS-903 result															
STD-Oreas501 expected															
STD-Oreas501 result															
STD-OxG84 expected															
STD-OxG84 result															
STD-OxG84 expected															
STD-OxG84 result															
33767	Core	3.5	33	13.7	<0.002	1.52	2.0	0.024	4.2	34.0	0.9	73.3	0.31	<0.05	6.6
33767 Dup		3.6	73	15.0	<0.002	1.36	1.9	0.023	5.8	33.8	0.9	80.1	0.28	<0.05	6.6
QCV1208-01699-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected				9.8		1.16		0.310	3.8		10.6				
STD-OREAS92-4A result				11.9		1.36		0.276	7.1		12.1				
33785	Core	12.2	137	28.4	0.002	4.10	1.9	0.312	7.6	26.7	4.5	101.2	0.06	0.07	5.6
33785 Dup		11.6	72	28.8	<0.002	4.01	2.0	0.299	27.9	27.3	2.4	91.4	0.08	0.14	5.7
QCV1208-01699-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected				9.8		1.16		0.310	3.8		10.6				
STD-OREAS92-4A result				14.8		1.29		0.288	11.1		10.5				

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12-360-05791-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-448

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33815	Core	0.027	0.13	1.3	14	0.7	3.7	20	43.5
33815 Dup		0.025	0.14	1.3	15	0.8	3.6	18	45.9
QCV1208-01363-0008-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected								5170	
STD-CDN-ME-6 result								5283	
QCV1208-01363-0010-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-12 expected									
STD-CDN-ME-12 result									
STD-Oreas501 expected									
STD-Oreas501 result									
STD-OxG84 expected									
STD-OxG84 result									
STD-OxG84 expected									
STD-OxG84 result									
33767	Core	0.025	0.24	0.9	18	1.8	2.3	18	38.2
33767 Dup		0.028	0.26	1.0	19	1.7	2.4	16	36.9
QCV1208-01699-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result								86	
33785	Core	0.022	0.16	1.2	14	2.1	2.6	36	34.5
33785 Dup		0.022	0.14	1.2	13	2.1	2.6	37	37.5
QCV1208-01699-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result								86	

Certificate of Analysis

12-360-05791-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-019**
Client Reference: **Core-12-019**
Description: **3 ACE**

Date Received: 10/10/2012
Date Completed: 10/15/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	13	Core	

Location	Quantity	Method	Description
Vancouver, BC	13	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

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Certificate of Analysis

12-360-05791-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33774	Core	0.08	0.08	0.08	0.08	500.45	12.35	512.80
33775	Core	0.06	0.02	0.02	1.55	485.75	12.63	498.38
33776	Core	<0.01	<0.01	<0.01	<0.01	495.10	24.43	519.53
33777	Core	<0.01	<0.01	<0.01	<0.01	464.36	10.82	475.18
33778	Core	0.01	<0.01	0.01	0.01	501.82	7.73	509.55
33779	Core	<0.01	<0.01	<0.01	<0.01	438.36	6.89	445.24
33780	Core	0.19	0.19	0.19	0.18	496.46	10.02	506.48
33781	Core	<0.01	<0.01	<0.01	0.01	497.66	12.23	509.89
33784	Core	0.20	0.21	0.19	0.17	501.79	18.49	520.28
33785	Core	0.11	0.10	0.11	0.09	463.15	9.68	472.83
33786	Core	0.10	0.10	0.10	0.08	505.47	13.27	518.74
33787	Core	<0.01	0.01	<0.01	0.01	464.00	11.51	475.51
33788	Core	<0.01	<0.01	<0.01	0.01	505.38	6.62	512.00

Vol 2-450

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Certificate of Analysis

12-360-05791-02

Northern Tiger Resources
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Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1210-00862-0001-BLK		<0.01						29.17
QCV1210-00862-0002-BLK		<0.01						29.17
STD-OxF100 expected		0.80						
STD-OxF100 result		0.77						

Vol 2-451

Certificate of Analysis

12-360-05792-01

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

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Attention: Chris Buchanan
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Attention: Dennis Ouellette
EMail: douellette@northern-tiger.com

Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-020**
Client Reference: **Core-12-20**
Description: **3 ACE**

Date Received: 08/20/2012
Date Completed: 08/23/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	20	Core	SP-RX-2K/Rock/Chips/Drill Core/Cuttings <2Kg

Location	Quantity	Method	Description
Vancouver, BC	20	Au-2AT-AA	Au, 2AT Fire Assay, AAS
Vancouver, BC	20	Ag-AR-TR	Ag, Aqua Regia, AA, Trace Levels
Vancouver, BC	20	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

Vol 2-452

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Certificate of Analysis

12-360-05792-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-453

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33789	Core	0.007	<0.1	0.03	23.40	1.6	11.4	3.28	182.5	162	1.33	0.12	0.08	0.24	2.7
33790	Core	0.072	<0.1	<0.01	10.91	1.1	5.5	2.89	>10000	59	1.01	0.10	0.01	0.19	4.3
33791	Core	0.026	<0.1	0.03	23.28	1.4	10.9	3.11	895.3	163	0.69	0.16	0.05	1.19	4.8
33792	Core	0.076	<0.1	<0.01	62.22	4.1	32.7	>10	282.8	831	4.44	0.41	0.11	3.80	20.3
33793	Core	0.005	0.1	<0.01	97.51	3.1	47.0	>10	63.3	676	3.81	0.46	0.06	0.75	19.3
33794	Core	0.023	<0.1	<0.01	55.70	2.2	26.6	6.46	89.4	431	1.81	0.23	0.03	0.62	11.2
33795	Core	0.390	<0.1	<0.01	35.12	1.8	17.2	4.08	1125.7	289	1.53	0.23	0.02	0.51	7.1
33796	Core	0.011	<0.1	<0.01	56.12	2.0	27.6	6.15	76.9	409	1.88	0.21	0.03	0.16	9.4
33797	Core	0.178	<0.1	<0.01	71.63	2.3	35.6	7.39	139.4	585	2.71	0.29	0.03	0.19	10.0
33798	Core	0.060	<0.1	<0.01	23.65	1.6	10.9	2.64	162.4	134	0.72	0.10	0.01	0.18	3.9
33799	Core	0.185	<0.1	0.76	24.93	1.6	11.6	3.21	202.0	181	0.97	0.08	0.01	0.75	4.6
33800	Core	0.007	<0.1	<0.01	17.68	1.4	8.0	2.40	25.9	120	0.69	0.06	0.01	0.53	3.4
33830	Core	0.008	<0.1	<0.01	26.93	1.6	11.8	2.61	27.5	159	0.39	0.10	0.02	0.47	4.9
33831	Core	0.022	<0.1	<0.01	25.29	1.5	11.6	2.68	66.1	126	0.76	0.14	0.01	0.73	3.3
33832	Core	0.083	<0.1	<0.01	17.19	1.3	7.9	2.61	92.6	135	0.89	0.05	0.01	0.37	3.5
33833	Core	0.188	<0.1	<0.01	17.66	1.6	8.8	2.64	134.5	144	0.68	0.05	0.01	0.28	3.8
33834	Core	0.006	<0.1	<0.01	29.31	1.7	13.7	2.44	27.7	116	0.40	0.06	0.01	0.15	3.2
32101	Core	0.021	<0.1	<0.01	51.82	2.7	27.2	9.40	2147.8	581	4.50	0.24	0.63	0.07	15.7
32102	Core	0.035	<0.1	0.01	30.30	1.0	15.7	3.94	2872.9	173	1.64	0.10	0.47	0.11	7.2
32103	Core	0.009	<0.1	<0.01	6.39	0.3	3.3	0.80	1035.7	49	0.33	0.03	0.01	0.08	1.2

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12-360-05792-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-454

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33789	Core	230	2.98	7.3	1.17	6.39	0.88	0.01	0.91	8.3	0.09	533	0.51	0.14	1.3
33790	Core	255	1.51	6.2	1.15	3.35	1.36	0.02	0.40	11.2	0.03	24	0.64	0.01	0.7
33791	Core	222	2.86	8.9	1.75	6.01	1.17	0.02	0.96	13.3	0.13	490	0.57	0.03	0.8
33792	Core	129	12.97	62.8	4.95	27.09	1.50	0.09	5.51	28.9	0.80	486	0.41	0.18	3.2
33793	Core	113	12.64	58.5	5.62	23.63	1.44	0.08	4.60	20.2	0.93	644	0.37	0.18	1.7
33794	Core	183	10.72	27.4	2.66	12.73	1.39	0.04	2.32	25.8	0.39	491	0.49	0.10	1.5
33795	Core	221	4.85	16.1	1.63	8.99	1.49	0.02	1.44	17.8	0.17	300	0.50	0.06	1.1
33796	Core	201	6.66	29.3	2.78	13.58	1.25	0.04	2.33	19.4	0.43	381	0.44	0.10	1.8
33797	Core	199	6.25	34.5	2.69	16.40	1.37	0.05	2.97	38.9	0.38	350	0.60	0.12	1.4
33798	Core	185	2.15	8.5	0.68	5.08	1.14	0.01	0.76	10.6	0.06	102	0.41	0.05	1.0
33799	Core	222	2.47	14.9	0.64	7.34	1.28	0.02	1.03	13.2	0.06	56	0.48	0.06	1.0
33800	Core	167	1.31	9.6	0.56	4.78	0.90	0.01	0.67	9.2	0.04	29	0.42	0.03	0.9
33830	Core	202	1.47	10.0	0.54	4.91	0.99	0.02	0.65	10.9	0.04	56	0.45	0.03	1.4
33831	Core	188	1.63	8.8	0.57	5.26	1.11	0.02	0.68	9.4	0.05	75	0.36	0.03	0.8
33832	Core	204	1.48	10.2	0.85	5.28	1.15	0.02	0.72	8.3	0.06	153	0.41	0.03	0.8
33833	Core	186	1.45	10.0	0.72	5.19	1.16	0.01	0.74	8.3	0.05	126	0.39	0.03	0.9
33834	Core	195	1.15	9.7	0.68	4.58	0.86	0.01	0.59	9.6	0.05	153	0.44	0.03	1.1
32101	Core	194	5.55	45.7	4.11	23.08	1.57	0.07	3.94	39.0	0.85	515	0.52	0.28	1.7
32102	Core	190	1.78	9.3	2.82	8.41	1.01	0.03	1.23	36.6	0.50	468	0.49	0.36	0.7
32103	Core	295	0.68	2.8	0.47	2.54	1.23	<0.01	0.31	3.3	0.03	45	0.44	0.01	0.5

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#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05792-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-455

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33789	Core	19.7	126	12.3	<0.002	0.57	2.7	0.041	2.4	42.1	0.8	13.3	0.21	0.25	7.0
33790	Core	16.8	114	7.0	0.002	6.09	1.6	0.488	12.9	18.5	0.5	12.1	0.13	0.35	5.4
33791	Core	17.0	244	20.5	<0.002	1.31	3.4	0.362	2.4	46.2	0.9	53.2	0.12	0.17	8.4
33792	Core	57.7	555	19.1	0.004	2.19	18.4	0.567	1.0	225.4	3.1	272.7	0.44	0.07	18.3
33793	Core	49.2	314	28.7	0.004	1.47	17.2	0.092	1.6	183.1	2.5	262.1	0.24	0.30	15.9
33794	Core	29.4	518	13.0	0.003	1.19	8.7	0.141	7.4	104.3	1.5	485.8	0.19	0.12	11.5
33795	Core	20.1	495	29.2	<0.002	2.54	5.1	0.234	6.7	63.7	1.1	493.6	0.13	0.18	9.0
33796	Core	27.8	251	17.0	0.004	1.04	8.7	0.056	10.1	111.7	1.5	299.5	0.22	0.16	11.4
33797	Core	31.7	629	23.8	<0.002	1.18	10.6	0.233	5.6	134.5	1.8	655.3	0.13	0.19	13.5
33798	Core	11.3	140	19.6	<0.002	0.92	2.6	0.169	5.7	35.1	2.3	157.1	0.11	0.07	7.1
33799	Core	15.2	97	49.0	0.003	1.29	3.1	0.264	10.1	49.2	1.6	123.8	0.11	<0.05	8.1
33800	Core	10.5	88	32.6	<0.002	0.94	2.5	0.275	12.8	30.3	1.2	103.1	0.09	0.07	6.7
33830	Core	12.1	300	23.1	<0.002	0.98	2.3	0.191	12.7	29.0	1.0	290.2	0.12	0.18	6.6
33831	Core	10.5	122	79.1	0.003	1.13	2.2	0.172	5.8	32.3	0.9	156.1	0.08	0.20	7.3
33832	Core	11.8	88	26.6	0.003	1.20	2.5	0.238	9.1	33.9	1.0	116.5	0.07	0.15	6.4
33833	Core	10.9	196	14.1	0.002	1.19	2.3	0.184	7.0	34.5	0.7	188.8	0.10	<0.05	7.0
33834	Core	10.8	103	10.1	0.003	0.66	2.2	0.029	7.9	29.2	0.6	118.5	0.09	0.12	7.8
32101	Core	42.3	585	24.7	0.004	2.10	13.8	0.383	2.3	172.6	2.3	108.1	0.20	0.11	16.9
32102	Core	19.1	57	21.5	0.002	1.63	4.6	0.200	4.2	46.8	1.0	60.6	0.07	0.12	7.5
32103	Core	5.6	<10	4.8	<0.002	0.79	1.3	0.039	11.9	16.1	0.5	6.8	<0.05	0.09	1.4

INSPECTORATE
A Bureau Veritas Group Company
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Richmond, BC V7A 4V5 Canada

Certificate of Analysis

12-360-05792-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-456

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33789	Core	0.024	0.26	1.5	16	0.7	3.3	29	47.6
33790	Core	0.014	0.12	1.7	9	1.0	1.8	11	30.0
33791	Core	0.024	0.26	1.6	19	1.2	3.9	30	41.8
33792	Core	0.134	1.29	5.5	104	5.2	10.0	139	119.4
33793	Core	0.071	1.11	4.3	83	2.6	7.9	141	101.0
33794	Core	0.050	0.55	2.6	46	3.6	6.3	99	70.0
33795	Core	0.040	0.47	2.1	30	3.4	5.4	40	56.2
33796	Core	0.059	0.61	2.7	43	2.4	6.1	64	64.8
33797	Core	0.051	0.67	3.2	51	3.0	8.2	109	73.3
33798	Core	0.029	0.22	1.3	18	1.7	3.6	39	43.8
33799	Core	0.036	0.32	1.5	23	2.5	3.7	80	53.9
33800	Core	0.025	0.19	1.3	16	1.4	3.0	34	42.3
33830	Core	0.032	0.18	1.4	16	2.3	3.9	34	48.4
33831	Core	0.023	0.20	1.4	16	2.1	3.5	45	43.7
33832	Core	0.025	0.18	1.2	15	1.9	3.1	37	41.2
33833	Core	0.029	0.20	1.4	16	2.3	3.3	28	44.8
33834	Core	0.029	0.17	1.5	14	1.5	4.0	27	55.8
32101	Core	0.076	0.94	3.8	66	1.9	8.6	113	93.3
32102	Core	0.027	0.27	1.3	24	1.1	3.4	72	29.5
32103	Core	0.011	0.08	0.3	7	0.5	0.8	19	7.0

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12-360-05792-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Vol 2-457

Sample Description	Sample Type	Au Au-2AT-AA g/ton 0.005	Ag Ag-AR-TR ppm 0.1	Ag 50-4A-UT ppm 0.01	Ce 50-4A-UT ppm 0.01	Hf 50-4A-UT ppm 0.1	La 50-4A-UT ppm 0.5	Al 50-4A-UT % 0.01	As 50-4A-UT ppm 0.2	Ba 50-4A-UT ppm 5	Be 50-4A-UT ppm 0.05	Bi 50-4A-UT ppm 0.01	Ca 50-4A-UT % 0.01	Cd 50-4A-UT ppm 0.02	Co 50-4A-UT ppm 0.1
33789	Core			0.03	23.40	1.6	11.4	3.28	182.5	162	1.33	0.12	0.08	0.24	2.7
33789 Dup				0.02	24.11	1.6	12.8	3.26	192.5	172	1.22	0.10	0.08	0.26	3.0
QCV1208-01366-0002-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70											16.3
STD-OREAS92-4A result				0.67	89.81	4.1	44.2	7.76	8.8	413	2.97		0.48	0.02	15.7
32102	Core			0.01	30.30	1.0	15.7	3.94	2872.9	173	1.64	0.10	0.47	0.11	7.2
32102 Dup				0.01	33.41	1.0	16.3	3.98	2829.3	169	1.54	0.08	0.46	0.13	7.4
QCV1208-01366-0005-BLK				<0.01	<0.01	<0.1	<0.5	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.1
STD-OREAS92-4A expected				0.70								2.44			16.3
STD-OREAS92-4A result				0.71	83.91	3.8	41.7	7.72	6.5			2.49	0.49	0.06	15.4
33789	Core		<0.1												
33789 Dup			<0.1												
QCV1208-01367-0002-BLK			<0.1												
STD-OREAS-903 expected			0.3												
STD-OREAS-903 result			<0.1												
32102	Core		<0.1												
32102 Dup			<0.1												
QCV1208-01367-0005-BLK			<0.1												
STD-Oreas501 expected			0.7												
STD-Oreas501 result			0.6												
33789	Core	0.007													
33789 Dup		<0.005													
QCV1208-01368-0002-BLK		<0.005													
STD-OxJ95 expected		2.337													
STD-OxJ95 result		2.175													

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12-360-05792-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Cr 50-4A-UT ppm 1	Cs 50-4A-UT ppm 0.05	Cu 50-4A-UT ppm 0.2	Fe 50-4A-UT % 0.01	Ga 50-4A-UT ppm 0.05	Ge 50-4A-UT ppm 0.05	In 50-4A-UT ppm 0.01	K 50-4A-UT % 0.01	Li 50-4A-UT ppm 0.2	Mg 50-4A-UT % 0.01	Mn 50-4A-UT ppm 5	Mo 50-4A-UT ppm 0.05	Na 50-4A-UT % 0.01	Nb 50-4A-UT ppm 0.1
33789	Core	230	2.98	7.3	1.17	6.39	0.88	0.01	0.91	8.3	0.09	533	0.51	0.14	1.3
33789 Dup		256	3.02	8.0	1.15	6.93	0.99	0.01	0.89	9.5	0.09	556	0.58	0.13	1.2
QCV1208-01366-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			7.03	2198.7	4.23	17.92		0.35	3.38	28.7	1.45		0.31	0.51	12.8
32102	Core	190	1.78	9.3	2.82	8.41	1.01	0.03	1.23	36.6	0.50	468	0.49	0.36	0.7
32102 Dup		194	1.82	9.4	2.80	8.71	1.08	0.03	1.20	35.4	0.50	461	0.50	0.35	1.0
QCV1208-01366-0005-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.01	<0.01	<0.2	<0.01	<5	<0.05	<0.01	<0.1
STD-OREAS92-4A expected				2294.0											
STD-OREAS92-4A result			6.36	2068.8	4.40	16.46		0.34	3.41	25.3	1.41		0.25	0.51	12.4

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12-360-05792-01

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ni 50-4A-UT ppm 0.2	P 50-4A-UT ppm 10	Pb 50-4A-UT ppm 0.5	Re 50-4A-UT ppm 0.002	Sb 50-4A-UT ppm 0.05	Sc 50-4A-UT ppm 0.1	S 50-4A-UT % 0.01	Se 50-4A-UT ppm 1.0	Rb 50-4A-UT ppm 0.1	Sn 50-4A-UT ppm 0.2	Sr 50-4A-UT ppm 0.2	Ta 50-4A-UT ppm 0.05	Te 50-4A-UT ppm 0.05	Th 50-4A-UT ppm 0.2
33789	Core	19.7	126	12.3	<0.002	0.57	2.7	0.041	2.4	42.1	0.8	13.3	0.21	0.25	7.0
33789 Dup		19.5	151	13.0	0.003	0.59	3.0	0.040	4.1	45.1	0.9	14.8	0.20	0.22	6.7
QCV1208-01366-0002-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected				9.8		1.16					10.6				
STD-OREAS92-4A result		38.1	580	11.2	0.006	1.08	13.0			197.4	10.6	33.7	1.06	<0.05	18.4
32102	Core	19.1	57	21.5	0.002	1.63	4.6	0.200	4.2	46.8	1.0	60.6	0.07	0.12	7.5
32102 Dup		20.1	53	20.8	<0.002	1.56	4.7	0.197	6.5	50.4	0.9	62.7	0.08	0.14	6.7
QCV1208-01366-0005-BLK		<0.2	<10	<0.5	<0.002	<0.05	<0.1	<0.01	<1.0	<0.1	<0.2	<0.2	<0.05	<0.05	<0.2
STD-OREAS92-4A expected				9.8		1.16			3.8		10.6				
STD-OREAS92-4A result		38.1	569	10.4	0.005	1.13	11.7		4.3	189.6	9.7	31.4	1.07	0.07	17.1

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Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Ti 50-4A-UT % 0.005	Tl 50-4A-UT ppm 0.02	U 50-4A-UT ppm 0.1	V 50-4A-UT ppm 1	W 50-4A-UT ppm 0.1	Y 50-4A-UT ppm 0.1	Zn 50-4A-UT ppm 2	Zr 50-4A-UT ppm 0.5
33789	Core	0.024	0.26	1.5	16	0.7	3.3	29	47.6
33789 Dup		0.028	0.25	1.4	16	0.7	3.8	31	51.5
QCV1208-01366-0002-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result			0.97	3.5		2.4	27.3	94	126.1
32102	Core	0.027	0.27	1.3	24	1.1	3.4	72	29.5
32102 Dup		0.030	0.24	1.2	24	0.9	4.0	72	31.1
QCV1208-01366-0005-BLK		<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected								88	
STD-OREAS92-4A result				3.4		2.3	24.5	87	117.0

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12-360-05792-02

Inspectorate Exploration & Mining Services Ltd.
#200 - 11620 Horseshoe Way
Richmond, BC V7A 4V5 Canada
Phone: 604-272-7818

Distribution List

Attention: Greg Hayes
#220 17010 103rd Ave
Edmonton, T5S 1K7
EMail: ghayes@northern-tiger.com

Attention: Melanie Debnam
EMail: Mdebnam@firestoneventures.com

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Attention: Bonnie Spence
EMail: bspence@northern-tiger.com

Submitted By: **Northern Tiger Resources**
#220 17010 103rd Ave
Edmonton, T5S 1K7

Attention: **Greg Hayes**

Project: **3 ACE**
Purchase Order: **Core-12-020**
Client Reference: **Core-12-20**
Description: **3 ACE**

Date Received: 10/11/2012
Date Completed: 10/16/2012
Invoice:

Location	Samples	Type	Preparation Description
Whitehorse, YT	12	Core	

Location	Quantity	Method	Description
Vancouver, BC	12	Au-Met500-AA	Au Metallic Screen (500g) AA Finish

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of ***Inspectorate Exploration and Mining Services Ltd***

By _____

Sofia Devota – Operations Manager

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INSPECTORATE
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Certificate of Analysis

12-360-05792-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

Sample Description	Sample Type	Au (Total) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (-150) Au-Met500-AA ppm 0.01	Au (+150) Au-Met500-AA ppm 0.01	Weight (-150) Au-Met500-AA g	Weight (+150) Au-Met500-AA g	Weight (Total) Au-Met500-AA g
33789	Core	<0.01	<0.01	<0.01	<0.01	498.85	18.30	517.15
33790	Core	0.08	0.08	0.07	0.06	485.67	24.49	510.16
33791	Core	0.03	0.03	0.03	0.03	483.83	18.26	502.09
33792	Core	0.09	0.09	0.09	0.07	496.90	9.19	506.09
33793	Core	0.01	<0.01	0.02	0.01	502.34	13.43	515.77
33794	Core	0.05	0.06	0.04	0.13	463.33	5.62	468.95
33795	Core	0.35	0.34	0.35	0.34	504.43	8.61	513.04
33796	Core	<0.01	<0.01	<0.01	0.02	444.89	7.44	452.33
33797	Core	0.05	0.05	0.04	0.07	500.56	13.84	514.40
32101	Core	0.04	0.04	0.03	0.04	490.16	7.63	497.79
32102	Core	0.07	0.06	0.07	0.01	506.93	9.37	516.30
32103	Core	0.01	<0.01	0.01	<0.01	465.54	16.12	481.66

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12-360-05792-02

Northern Tiger Resources
#220 17010 103rd Ave
Edmonton, T5S 1K7

		Au (Total) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (-150) Au-Met500-AA	Au (+150) Au-Met500-AA	Weight (-150) Au-Met500-AA	Weight (+150) Au-Met500-AA	Weight (Total) Au-Met500-AA
Sample Description	Sample Type	ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.01	g	g	g
QCV1210-00957-0001-BLK		<0.01						29.37
QCV1210-00957-0002-BLK		<0.01						29.37

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