Geological and Geochemical Report
CHU Molybdenum Property
British Columbia, Canada

Omineca Mining Division
Latitude 53˚ 21’ N Longitude 124˚ 37’ W
NTS Map Sheet 93F/7E

Prepared for:

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Sept 24, 2007

Executive Summary

TTM Resources Inc. of Vancouver, BC, completed a winter drill program in early 2007 on the Chu molybdenum prospect located approximately 80 kilometers south southwest of the town of Vanderhoof, central British Columbia. The property consists of seven contiguous mineral claims located in good proximity to rail, highway, natural gas and hydroelectric power. The Kluskus forest service (FSR) road is an all-weather gravel road that provides direct access to the property from Highway 16 West.

The Chu property is underlain by an Eocene granite to granodiorite pluton in contact with hornfels Lower to Middle Jurassic volcanic and sedimentary rocks of the Hazelton Group. The Hazelton group is a mixed assemblage of epiclastic and volcaniclastic rocks, volcanic rocks and minor felsic intrusives.

Molybdenum mineralization consists of molybdenite (MoS2) in a complex stockwork of anastomosing quartz veins, stringer and veinlets that are best developed in a well foliated, hornfels siltstone unit that dips steeply to the northeast. The hornfels unit is believed to have undergone varying degree of biotitization following structural preparation (brittle fracture). Molybdenite occurs as selvages along quartz and quartz-pyrite-bearing fractures, as smears or disseminations along dry or slickensided fractures, and as disseminations mainly in the finer-grained sediments. In general the more intensely silicified the stockwork the better the molybdenum values.

The hornfels siltstone in locally interbanded with sandstone bands and is overlain by andesite that is variably textured from flow banded to fragmental. The hornfels siltstone is underlain by generally fresh, coarse to pegmatitic granodiorite pluton.

Mineralization is accompanied by strong penetrative thermal metamorphism of the sediments to biotite-grade alteration. Alteration patterns characteristic of a typical porphyry deposit were not encountered in drill core; suggesting the deposit type is more suitably characterized as a quartz stockwork and not a Low Fe porphyry deposit, as identified in BC Minfile.

The mineralized zone appears to be an inclined tabular mass that strikes northwest-southeast and dips steeply northeast. The current approximate size is 1200 meters in length with an apparent width of between 100 and 300 meters and apparent depth of at least 500 meters. The zone is open or untested on both strike extents, down the dip and in its width.

There is a well documented history of mineral exploration on the property dating back to its discovery in 1969. A total of 5000 m of drilling was completed on the property prior to TTM Resources optioning the claims from the owner. The most intensive work was conducted during the early 1980’s by Asarco.

The 2006 winter drill program completed thirteen (13) inclined NQ diamond drill holes totaling 6129 meters within the known bounds of the previously outlined mineralized zone; with several holes testing the limits along strike of the known zone. The intent of the 2006 program was to confirm depth, grade and approximate zone geometry from previous known drill data. A secondary goal was to improve the geological knowledge of the zone deposit; its geometry and the intimate relationship between stockwork, vein, and penetrative sediment foliation/fabric.

The 2006 drilling successfully demonstrated the presence of a significant and well-mineralized zone of high grade molybdenite mineralization hosted in a complex but persistent quartz stockwork. Long vertical intersections of molybdenum mineralization have been intersected that confirm the persistence of molybdenum values and widths. The amount and distribution of drilling is insufficient at this time to confirm the geometry and orientation of the mineralized zone, except in a general sense. At this time the zone remains partially defined and is open to extension in the northwest and south directions, and to depth.

All 2006 holes intersected molybdenum mineralized intervals. Some of the new results include DDH 06-01 which returned 0.108% molybdenum and 0.071% copper over 73.15m from a depth of 520.60m to 593.75m. DDH 06-10 returned 54.86m of 0.081% of molybdenum and 0.048% copper from 480.67m to 535.53m. DDH 06-11 intersected 51.82m of 0.091% molybdenum and 0.110% copper from 239.57m – 291.39m. DDH 06-12 intersected 97.54m of 0.110% molybdenum and 0.060% copper from 391.97m to 489.51m.

A two-phase exploration program is recommended for 2007. An initial phase would include an extensive line-cutting program to establish a modern GPS control grid followed by 75 line kilometers of 3-D IP ground geophysics. The intent of the IP program is to identify the IP geophysical signature of the known zone and seek similar signatures beyond the main zone which may parallel the main zone. Ground IP may also better identify the cross structures believed to be faulting the stockwork at or near the NW extend of the known strike limit.

Upon completion of the IP program it is recommended that a follow-up diamond drill program be completed to continue the step-out drilling that the 2006 program commenced; and follow-up on any prospective areas as defined by geophysical interpretation. The proposed budget for combined Phase One and Phase Two is estimated at $1.245 million dollars (Canadian).

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1.0 Introduction

The Chu deposit is a copper-molybdenum deposit situated in the Nechako Plateau region of central British Columbia, approximately 80 kilometers south southwest of Vanderhoof British Columbia. The property consists of seven contiguous mineral claims owned by TTM Resources that have been maintained in good standing. Access is provided by the all-weather Kluskus Forest Service Road and the property is in close proximity to a paved highway, rail service, hydroelectric power and natural gas.

The 2006 drill exploration program was completed in early 2007 and a total of 6129 meters of NQ core was recovered from 13 inclined drill holes. The program was completed exclusively on the main mineralized zone and funded by TTM Resources, a junior exploration company based in Vancouver, British Colombia. Total exploration expenditures in 2006-2007 amounted to Canadian $1.4 million dollars.

The drilling was completed by Falcon Drilling of Prince George. Excellent drill core recovery was achieved throughout the program. Planning and field initiation of the overall program, including geological logging, sampling and interpretation, was managed by Allnorth Consultants of Prince George BC, working on behalf of TTM Resources. Bob Sibthorpe, TTM Vice-president of Exploration, was onsite on several occasions and oversaw all aspects of the program.

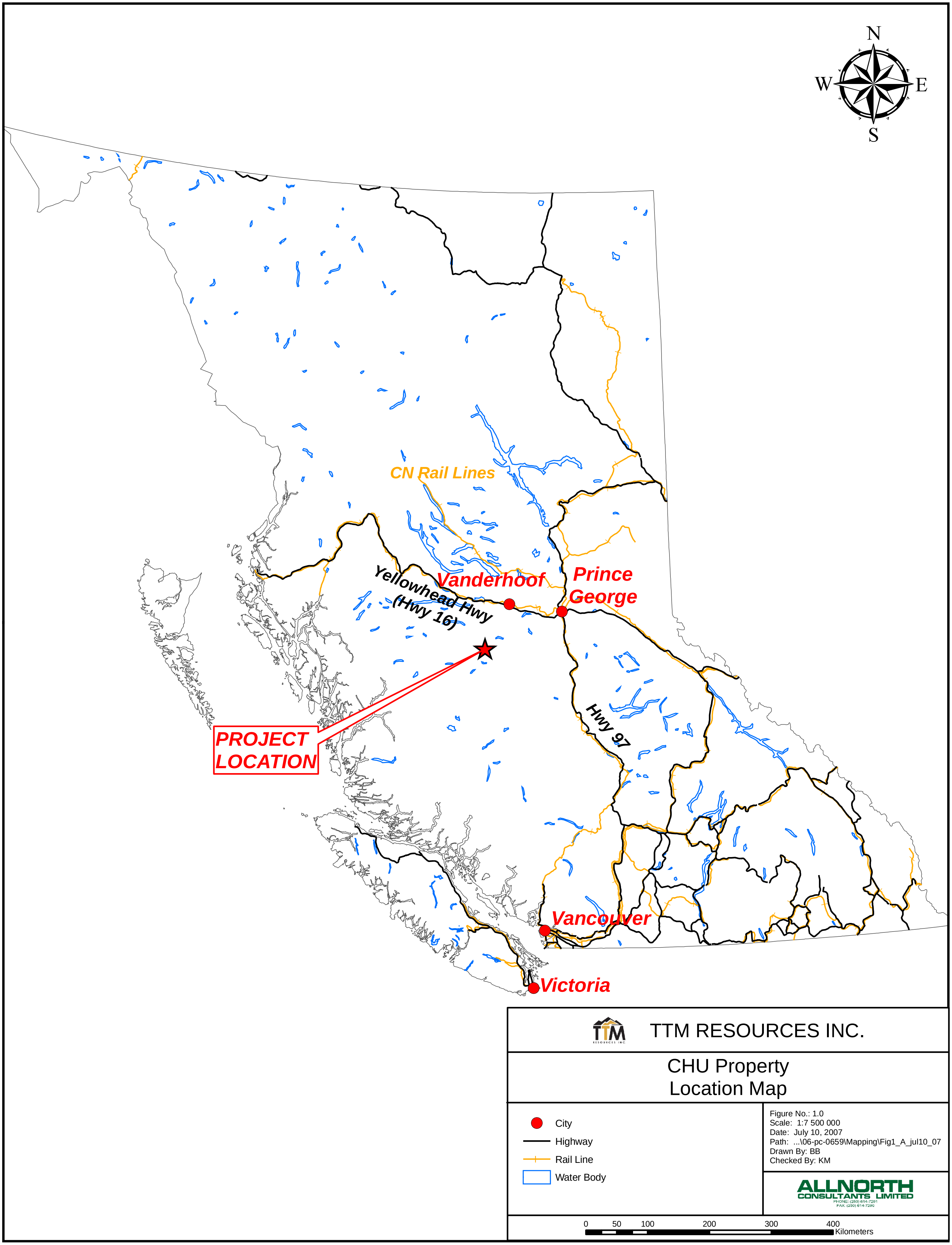
Pitka Logging of Vanderhoof provided onsite support for drill pad and drill trail reclamation and rehabilitation. A number of providers in Vanderhoof and Smithers provided services and supplies and support throughout the duration of the program.

Downhole survey control was maintained with the use of a FLEX-IT easyshot downhole survey instrument. The planned hole locations were established in the field with a handheld GPS (Garmin 12XL). The drill locations were later surveyed using a LEICA RTK GNSS base station and rover combination providing high accuracy to less than 1.0 meter.

This report was supplemented by published assessment reports and available studies that document bedrock mapping and geological fieldwork conducted by the Geological Survey Branch of the provincial British Columbia Ministry of Energy, Mines & Petroleum Resources.

1.1 Location and Access

The Chu property is located approximately 80 kilometers south southwest of the town of Vanderhoof, British Columbia, Canada (Figure 1.0). The property is located on NTS mapsheet 93F/7E, at approximately 53° 21’ North latitude and 124° 37’ West longitude. The property is situated in the Nechako Plateau region of the central interior of British Columbia. The nearest significant watercourse is Chutanli Lake, located about 7.5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kilometers west of the property. The nearest significant transportation and service center is Prince George, located approximately 170 kilometers north east.

Access to the property is provided by the Kluskus Forest Service (FSR) road which starts at the Plateau log mill west of Vanderhoof and travels east and south to the property boundary. The Kluskus Forest Service road is an all-weather, 6 meter wide gravel road that connects the property to Highway 16. Alternative access can be gained by traveling 26.5 kilometers south of Vanderhoof on the Kenney Dam road, which junctions with the Kluskus FSR at approximately 19 kilometer. A small branch road at 106.3 kilometer on the Kluskus FSR provides direct access onto the main zone where drilling was conducted.

The Endako molybdenum mine, owned and operated by Thompson Creek Mining, is located approximately 75 road kilometers west of Vanderhoof. The Endako mine provides relatively easy access to a molybdenum concentrator and a technical molybdenum oxide roaster complex.

There is no mining related infrastructure on the property. The remains of the 1981 Armco exploration tent camp and core storage are still evident at the site of historical hole B-2. Many of the previous drill holes are overgrown by new growth timber and underbrush. Prior to the start of the 2006 drill campaign an 8.0 kilometer access trail was re-opened. In addition, several tributary trails for access to drill pads were either re-opened or newly constructed.

Lodging and accommodation for the crew was provided offsite at the Kluskus Canfor logging camp. Core logging, splitting and sampling was conducted at a temporary day camp located on the property, near the junction of the main access trail with the Kluskus FSR. A temporary core shack and splitting shack were erected and left onsite for future programs. The drill core was racked in specially fitted and locked overseas shipping containers that were left beside the core shack. The core was brought to the core shack twice daily by the drill contractor and offloaded under the supervision of an Allnorth or TTM company representative.

After completion of the 2006-2007 drill program, drill pads and trails were contoured with an excavator and machine and hand seeded with appropriate mid-elevation, mid-latitude forestry seed mix. Additional reclamation activities included seasonal deactivation of the main access trail and installation of water bars on steep, uninterrupted pitches. General site clean-up included removal of fuel drums and hydraulic pails. All site activities were conducted in accordance with the Health, Safety and Reclamation Code for Mines in British Columbia, and in good conformance with mine and forestry permit conditions.

1.2 Physiography and Climate

The Chu property is located within the Intermontane physiographic belt and is characteristic of the interior topography and climate of the Nechako Plateau. The

Nechako Plateau is a subdued range of hills and valleys situated between the Coastal Mountains on the west side and the Rocky Mountains on the east side.

The topography of the property varies from relatively low-rolling in the southeast to upland in the north. Densely wooded slopes range in elevation from 1160 metres ASL in the southeast to 1430 metres ASL in the north. The property is underlain by well-draining soils but in local areas there are a few swampy lakes and poorly developed first and second order creek drainages.

There appear to be at least three first order creeks on the property. One stream flows in a southwest direction toward Chedakuz Creek, which eventually empties to Knewstubb Lake. Two drainages flow in a north-northeast direction toward Taiuk Creek, which itself flows to the Euchiniko River and eventually to the Blackwater River. One of the northern streams is headwatered by a small pond or wetland called Portnoy Lake, which serves as a suitable source for drill water. Further work is required to determine if these streams are ephemeral or permanent watercourses, and whether they are fish-bearing. Kokanee are known to run in Knewstubb Lake, and the Euchiniko River system.

The area has experienced glaciation and significant post-glacial erosion. Continental glaciation occurred approximately 12,000 years ago during the Wisconsin glaciation. Glacial deposition has left behind a thin veneer of unconsolidated glacio-fluvial material which mantles bedrock; leaving only 5% of bedrock exposed in the area.

White spruce is the theoretical climax species but due to an extensive fire history lodgepole pine is the dominant tree species. Other species include lesser spruce, balsam and scattered patches of aspen and birch. A history of frequent wildfire has left a natural mosaic of forest ages. At present much of the area is either clear-cut from earlier logging operations or is comprised of dead pine. The pine has been intensely impacted by the Mountain Pine beetle infestation, resulting in large swaths of standing dead pine.

The area supports several species of wildlife, including wolf, black bear and ungulates. Moose are common in the upland forest due to an ideal mix of food sources and proximal hiding areas. Deer are also noted throughout the area, concentrated in the winter months on steep south-facing slopes where they find a shallower snow pack and the earliest spring forage.

The climate of the property is strongly influenced by its location in the Coast Mountain rainshadow and is characterized by cold, dry winters and cool, dry, short summers. The average maximum and minimum temperatures recorded at Vanderhoof are 8.9º C and -3.9º C, respectively, with an average annual temperature of 2.5º C. Precipitation is mainly in the form of snow with average annual accumulation of between 1.0 and 2.0 meters. The average annual snowfall for Vanderhoof is 196.9 cm whereas the annual number of frost free days is 54 days.

1.3 Property Status & Ownership

The Chu property is comprised of seven contiguous mineral claims totaling 2747 hectares of subsurface rights in the Omineca mining region (Figure 2.0). The individual claims and their respective anniversary dates are shown below.

Table 1: Mineral Claim Dispositions

Tenure Number	Tenure Type	Claim Name	Owner	Map Number	Good To Date	Status	Area
507782	Mineral		206246 (100%)	093F	2007/oct/15	GOOD	694.623
507793	Mineral		206246 (100%)	093F	2008/feb/24	GOOD	192.988
533568	Mineral		206246 (100%)	093F	2008/may/04	GOOD	482.317
537381	Mineral	CHUFR	206246 (100%)	093F	2008/jul/18	GOOD	77.219
390574	Mineral	CHU	206246 (100%)	093F038	2007/oct/15	GOOD	500.0
390575	Mineral	CHU-I	206246 (100%)	093F038	2007/oct/15	GOOD	400.0
390576	Mineral	CHU-2	206246 (100%)	093F038	2007/oct/15	GOOD	400.0

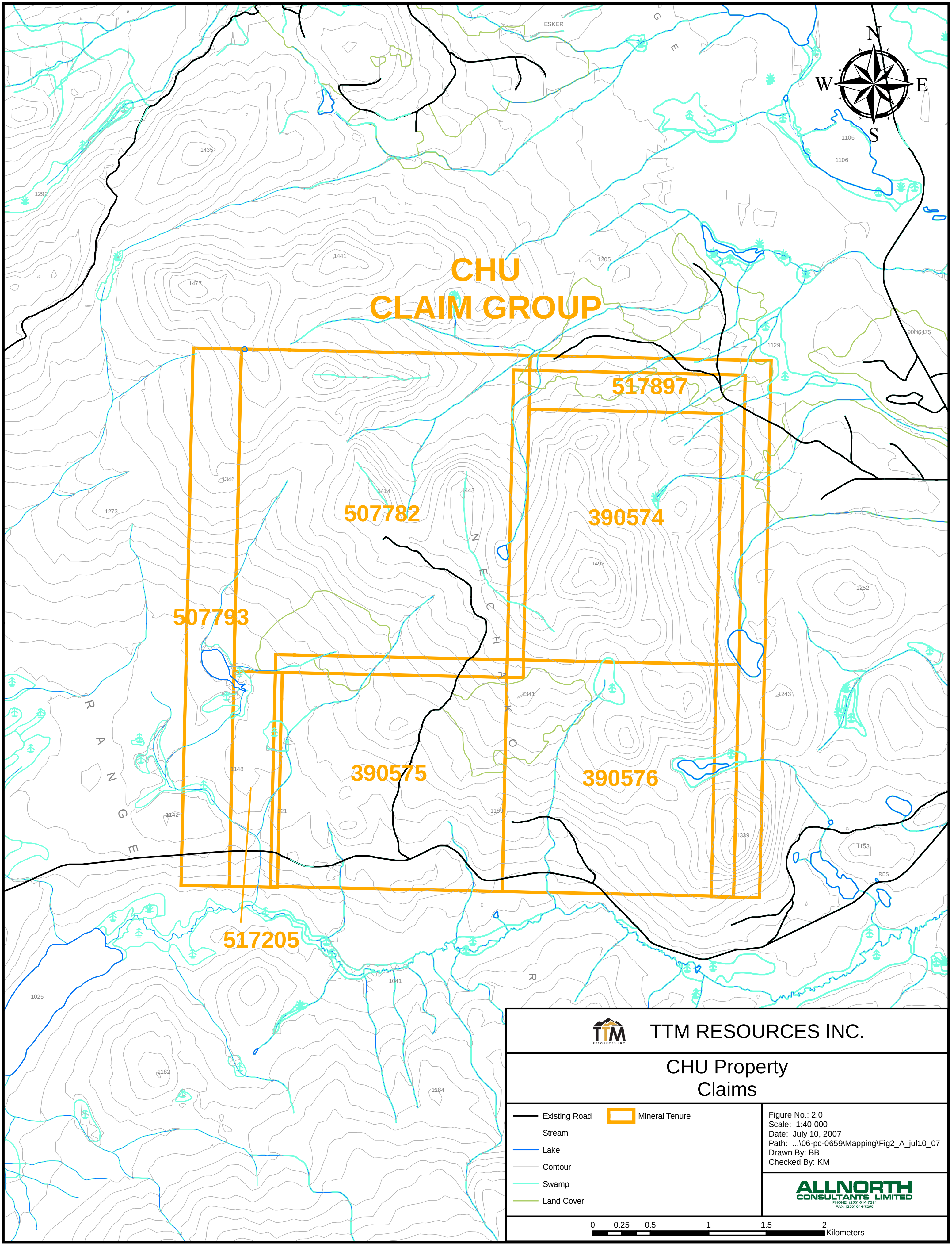
The claims were formerly owned by several partners who sold outright by purchase agreement to TTM Resources Inc. The agreement is subject to terms and conditions of a purchase agreement dated 7th day of September, 2006. A Bill of Absolute Sale has been recorded with the Mineral Tenure branch of the BC Ministry of Energy, Mines & Petroleum Resources.

There are no other agreements, liens, judgments, debentures, royalties, or back-in rights known to the author. There are no known surface tenure rights over the mineral dispositions. There is a forest tenure owned by Canfor and L & M Lumber that overlaps the property but is not expected to preclude timber removal or inhibit future mineral development.

2.0 Exploration History

The Chu mineral prospect was discovered in 1969 as a result of regional geochemical surveys conducted simultaneously by Rio Tinto Canadian Exploration (Rio Tinto) and American Smelting and Refining Company (Asarco). Lake sediment samples were found to be anomalous in molybdenum and the source traced upslope to shallow buried, mineralized bedrock. Claim staking by both companies identified a broad package of prospective ground. Additional detailed ground geochemical and geophysical surveys enhanced the definition of the mineralized zone and provided impetus for several early drill programs.

From 1969 to 1970 the property was owned by Rio Tinto who conducted silt surveys and completed 14 shallow diamond drill holes (A1-4 and B1-10) for a cumulative total of 685 meters. In the mid-70's the Kluskus road was built which provided easier and more cost effective access. Asarco took over the property and in 1979 they joined Armco Mineral Exploration Ltd. in a joint venture of exploration. Together they completed several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CHU Property
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diamond drilling programs from 1980 to 1982 which comprised 12 diamond drill holes totaling 4994 meters (80-1 to 80-3, 81-1 to 81-7 and 82-1 and 82-2). The drilling in combination with more extensive line cutting, geochemical soil surveys and ground geophysics helped to outline a large area of hornfels siltstone fractured and welded by molybdenum mineralization hosted in a quartz stockwork of veins. Drilling had been conducted on grid lines spaced a 140m apart (Figure 3.0).

The property remained idle from 1982 to 1992 and Asarco soon after allowed the claims to lapse. Orvana Minerals Corp (Orvana). re-staked the claims over the main showing and completed a modest geochemical program in 1994. In 2001 Chris Delorme completed a magnetometer ground survey on a limited portion of the property; and followed in 2003 with modest rock sampling, prospecting and Self-potential ground geophysics. Several small programs were conducted by Omega Exploration Services in 2004-2005.

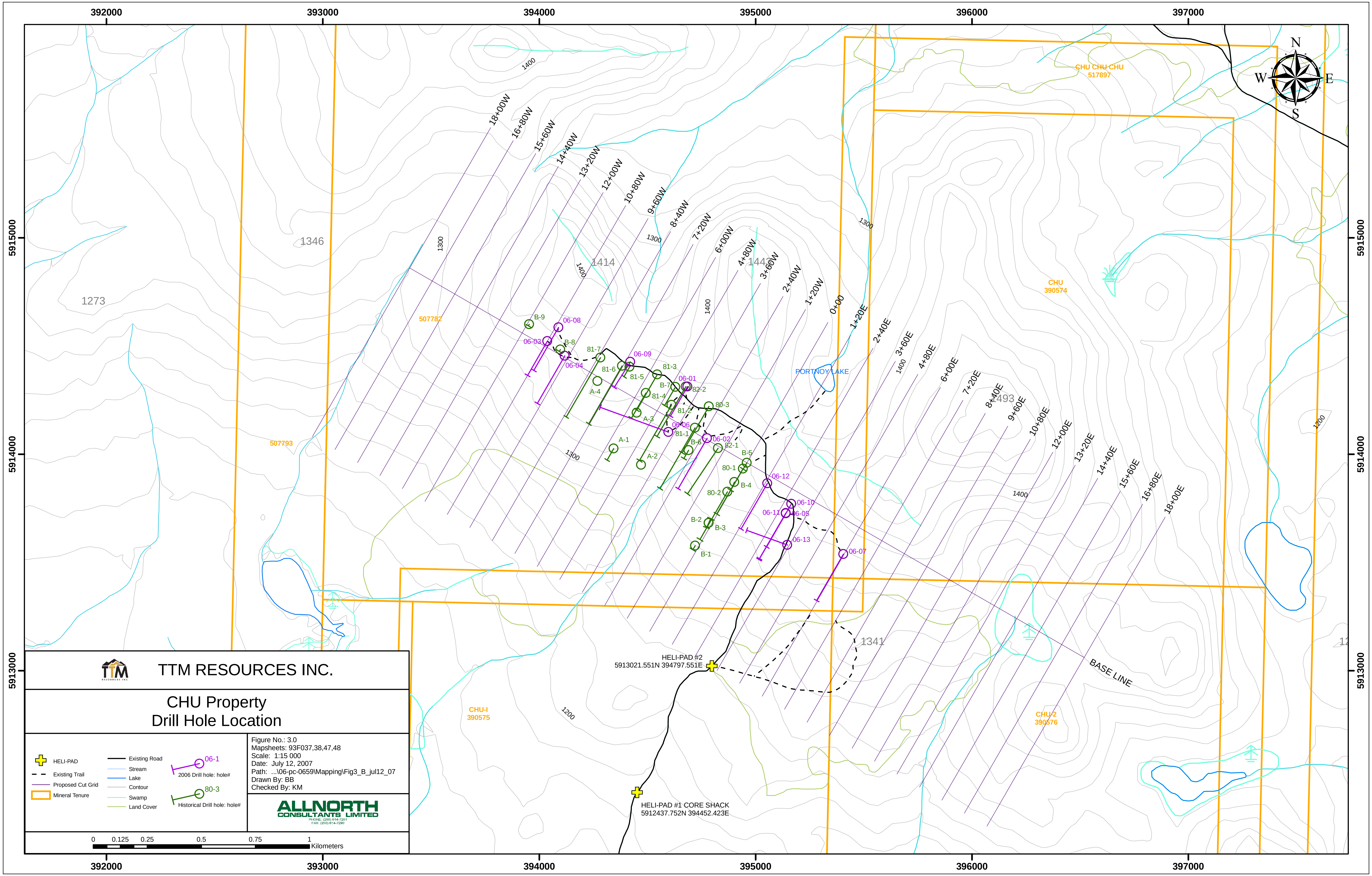
2.1 American Smelting and Refining Company

From 1969 to 1970 the property was co-owned by the Asarco and Rio Tinto Canadian Exploration Company Ltd. During this period line cutting, geological mapping, geochemical soil sampling, and an IP and ground magnetic survey were carried out. Reconnaissance and detailed soil sampling revealed anomalous copper (Cu) and molybdenum (Mo) and tungsten values present in soil underlain by an extensive but thin veneer of glacial till. The anomalous values were believed to be indicative of a northwest striking, altered sedimentary volcanic assemblage in contact with a relatively fresh granodiorite plug. Historical soil geochemical and magnetometer maps have been reproduced in Figures' 6, 7 and 8 to illustrate the size of the zone and correlation with molybdenum soil geochemistry.

A ground magnetic survey was conducted at the same grid scale, and along with limited mapping identified co-incident target anomalies for follow-up drilling. A possible fault structure was inferred that corresponded with the lithological contact. In addition, magnetic lows seemed to be associated with highest soil anomaly values. Follow-up drilling of fourteen widely spaced and shallow drill holes in 1970 intersected significant molybdenum mineralization. The molybdenite was found to be mainly confined to a quartz stockwork zone hosted in variably hornfels siltstones.

2.2 Asarco Exploration Company of Canada Ltd.

In 1977, Asarco carried out grid furbishing, geochemical soil surveys and geological mapping to extend the known areas of Cu and Mo anomalies and test for Mo and Cu anomalies to the east and north. In total, approximately 29 line kilometers of grid was established.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CHU Property
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HELI-PAD
Existing Trail
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Stream
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Swamp
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2006 Drill hole: hole#
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In total, 194 “B” horizon soil samples, 5 stream silt samples as well as 3 rock chip samples were taken. The soil and silt samples were analyzed for Cu and Mo whereas the rock chip samples were analyzed for Mo, Cu, Pb, Zn, Ag, and Au. They determined that a concentration of 5 ppm Mo and 40 ppm Cu were considered to be anomalous.

It was concluded that anomalous Mo and Cu concentrations were mainly underlain by favorable sedimentary and volcanic rocks of the Hazelton Group which they determined strike in the northwesterly direction and dip very steeply northeast. The hornfels siltstone was thought to be the primary host for the anomalous Mo and Cu values and that a significant amount of Mo is found within a stockwork of quartz veins.

This company also carried out a modest drill program in 1980 to further evaluate the potential of the property. Three drill holes (80-1, 80-2 and 80-3) were completed; each was collared at an inclination of -45°, at a bearing of 210° and was drilled to a depth of 334m. Flattening of the holes occurred below a depth of approximately 200m.

2.3 Asarco Inc. & Armco Mineral Exploration Ltd.

In a joint venture in 1981 between Asarco Inc. and Armco Mineral Exploration Ltd. a drill program was initiated to potentially extend the known area of molybdenum mineralization by drilling to deeper depths and to help determine vectors that control the grade and distribution of the Mo mineralization. Seven NQ sized drill holes were completed (81-1 to 81-7). All holes were collared between inclinations of -50° to -52° and most were collared at a bearing of 210°, with the exception of several holes drilled at a bearing of 270°. The deepest drill hole reached a depth of 300m.

The program substantiated the exploration model of a steeply dipping mineralized quartz stockwork zone hosted in a biotite hornfels siltstone unit that is sandwiched between the overlying pyroclastic andesite and the underlying granodiorite pluton. Further, it identified a close association of stockwork mineralization with granodiorite dykes. The mineralized zone was extended to 850m in length, and the geologic contact between the siltstone and overlying andesite was traced a further 300m west. A previously undiscovered fault zone was postulated from drill intersection, possibly related to emplacement of granodiorite dykes. The program demonstrated that faulting and disruption of the NW section of the zone by granodiorite dykes was much more extensive than previously assumed.

A drilling program in 1982 was confined to the eastern portion of the zone and completed two NQ-sized drill holes with a total length of 798m (82-1 and 82-2). DDH 81-1 was collared at an inclination of -47° and at a bearing of 214° to test an infill gap of approximately 280 meters between previous drill holes. DDH 82-2 was collared at an inclination of -52° at a bearing of 210° below DDH 81-2, to test the down-dip extension of the mineralization at depth.

The results continued to demonstrate the validity of the exploration model; however no further work was completed by the partnership and the claims were allowed to lapse. With the exception of the core rack and one tent frame, the remainder of the Armco exploration camp was removed and the site reclaimed to the standard of the day.

2.4 Orvana Minerals Corporation

Arnex Resources Ltd. staked mineral claims on the property in 1994 after the original claims lapsed. Orvana Minerals Corporation completed a limited program of exploration in 1994. The program consisted of stream sediment and rock chip sampling to determine if Mo anomalies occur both upslope and down slope of the surface expression of the main mineralized zone.

The stream samples were collected from tributaries of the northeastern drainage area and also down slope on the southwestern hill slope. The preferred sample media was moss mats but stream sediments and dry run-off channel sediments were also collected. A limited number of rock chip samples were collected from till clasts.

Geochemical analysis determined that several anomalous areas of Mo values were discovered in the northeastern drainage area. The highest values (up to 215 ppm) of Mo came from the samples collected from the drainage area down slope from the known mineralized zone. The rock chip samples returned only low Mo concentrations.

More work was recommended to determine if anomalous values could potentially represent additional mineralized bodies away from the main zone.

2.5 James McLeod/Chris Delorme

A limited program of exploration was completed in 2001 on the Chua Chua mineral claim by James McLeod on behalf of owner, Chris Delorme. A cut grid of 12.9 line kilometers was established east of the historic cut grid by extending the baseline southeast at azimuth 210˚. A closed loop magnetometer survey was completed. The contoured data suggested a lithologic fabric trending N190°-N210˚ but failed to identify the interpreted trend of the contact between the andesite and hornfels siltstone.

The magnetometer survey coverage was extended further southeast in 2002 when another grid with a total length of 34.1 line kilometers was constructed. The survey data had well defined contours that seemed to mimic the N190°-N210° fabric trend of the underlying intrusive rocks.

2.6 Omega Exploration Services Inc.

A fieldwork program was completed in 2004 by Omega Exploration Service which at that time owned the claims covering the Chu property. The program consisted of drilling one vertical drill hole with a hand-held diamond drill to a depth of 20.1m and running SP over three lines totaling 3600 meters in length. The SP lines were run perpendicular to the N120˚ trending baseline. The drill core recovery was poor due to poor penetration and surface weathering of the hornfels unit.
The SP survey data suggested the continued presence of the contact between the hornfels siltstone unit and the andesite unit. The results from the shallow drill hole indicated anomalous near-surface molybdenum.

The company completed another limited program in 2005 which consisted of prospecting, line cutting, geological mapping, soil and rock sampling and SP and magnetometer surveys. The results suggested the Mo mineralization may be more widely distributed than known from past drilling.

2.7 Economic and General Assessment

There is no independent mineral resource estimate conducted for the Chu property. There is at present no resource classification available that would be considered to meet the definition of National Instrument 43-101 or that could be considered compliant with CIM Standards on Mineral Resources and Reserves - Definition and Guidelines (CIM, 2000).

2.8 Deposit Types

The Chu molybdenum mineralized stockwork may best be represented as a Low F (fluorine) porphyry molybdenum deposit although it appears to be transitional in nature. The Chu mineralized body probably formed as a result of migration of saline-rich magmatic fluids, with dissolved Mo and other metals, through thermally metamorphosed sedimentary rock. The hornfels siltstone had previously been structurally prepared for vein emplacement by the explosive fluid pressure release during the intrusion of small granodiorite plugs or dykes. Incursion of meteoric water during the waning stages of the magmatic system probably resulted in near-surface and erratically distributed alteration of the host rocks.

Molybdenite is the principal ore mineral; chalcopyrite and to a lesser extent pyrrhotite are generally subordinate. Like a porphyry deposit the Chu zone consists of molybdenite-bearing quartz veinlets and fractures. Unlike a porphyry deposit, the Chu is hosted in the biotite hornfels siltstone country rock rather than the intermediate to felsic intrusive rock typical of the porphyry system. And the alteration mineralogy is dominated by biotitization as a result of thermal metamorphism rather than the more typical zoned hydrothermal alteration patterns found around porphyry deposits.

Low F Porphyry Mo deposits that are associated with felsic intrusive rocks have been an important source of world molybdenum production. The typical low F Mo porphyry deposit is 100 Mt at 0.1 to 0.2 % Mo. Some British Columbia examples include Endako, Lucky Ship, Boss Mountain and Storie Moly.

3.0 Geology

The Nechako Plateau is underlain by rocks that comprise part of the Stikine Terrane (Stikinia) which is believed to represent an allochthonous oceanic arc within the Intermontane Belt. Stratigraphic and intrusive rocks in the Stikine Terrane range in age from Palaeozoic to Pleistocene and are comprised of volcanic and sedimentary strata of Lower Devonian to Middle Jurassic age and supracrustal sequences of Middle Jurassic to Early Tertiary age, which are intruded by several suites of intrusive rocks. The Stikine Terrane can be broadly divided into three separate packages: basement rocks, latest Upper Cretaceous-Eocene rocks associated with mineralization, and cover rocks.

The basement rocks comprise Upper Triassic to lower Upper Cretaceous rocks grouped into two major stratigraphic assemblages; arc volcanics of the Upper Triassic to Middle Jurassic age Takla Group which is unconformably overlain by Sinemurian to Bajocian calc-alkaline pyroclastics of the Hazelton Group. The arc volcanic assemblages are overlain by Middle Jurassic to Early Tertiary supracrustal sequences, which are believed to have recorded the effects of the amalgamation and collision of the Stikine terrane. There are two supracrustal sequences, the Middle Jurassic to Lower Cretaceous Bowser Lake Group and the Lower and Upper Cretaceous Skeena Group. Bowser Lake Group deltaic sediments were deposited mainly in the Bower Basin to the north but are represented in the area by the basal Ashman Formation which is comprised of chert pebble conglomerate, sandstone and siltstone units. The Skeena Group rocks formed a clastic blanket across Stikinia that was derived from the Cache Creek, Quesnel and Omineca terranes to the east.

The basement rocks have been affected by westerly verging compressive tectonics along the east margin of the Stikine Terrane, associated with the amalgamation of Stikinia, Quesnellia and the Cache Creek Terranes to the North American Craton, and affect rocks as young as Upper Jurassic. Easterly verging compressive tectonics along the west margin of the Stikine Terrane is associated with the amalgamation of Wrangellia with Stikinia and affects rocks as young as Late Cretaceous.

Intrusive suites of various ages and compositions were emplaced into the basement strata and include the Upper Jurassic-Lower Cretaceous Francois Lake intrusions to the northeast and mid-Cretaceous granitic to dioritic plutons of the Coast Crystalline Complex referred to as the Nechako intrusions.

The Upper Cretaceous to Eocene package of rock is associated with three regionally important stratigraphic assemblages, the late Upper Cretaceous Kasalka Group, the Eocene Ootsa Lake Group and the Eocene to Oligocene Endako Group. These assemblages represent a generalized cycle of early andesitic volcanism followed by later basic volcanism, with strata mainly deposited in calderas and caldera complexes. The volcanic assemblages are associated with extensional faulting. The Kasalka Group volcanics are mainly feldspathic andesitic volcanics and are associated with or intruded by granodioritic stocks and plugs of the Late Cretaceous Bulkley Suite, and the Tertiary Babine and Quanchus Suites.

The Ootsa Lake Group is comprised of felsic volcanics that occur in structurally controlled basins and in large caldera complexes. The Endako Group is a wide ranging assemblage of mainly basaltic rocks that appears to overlie the Ootsa Lake Group.

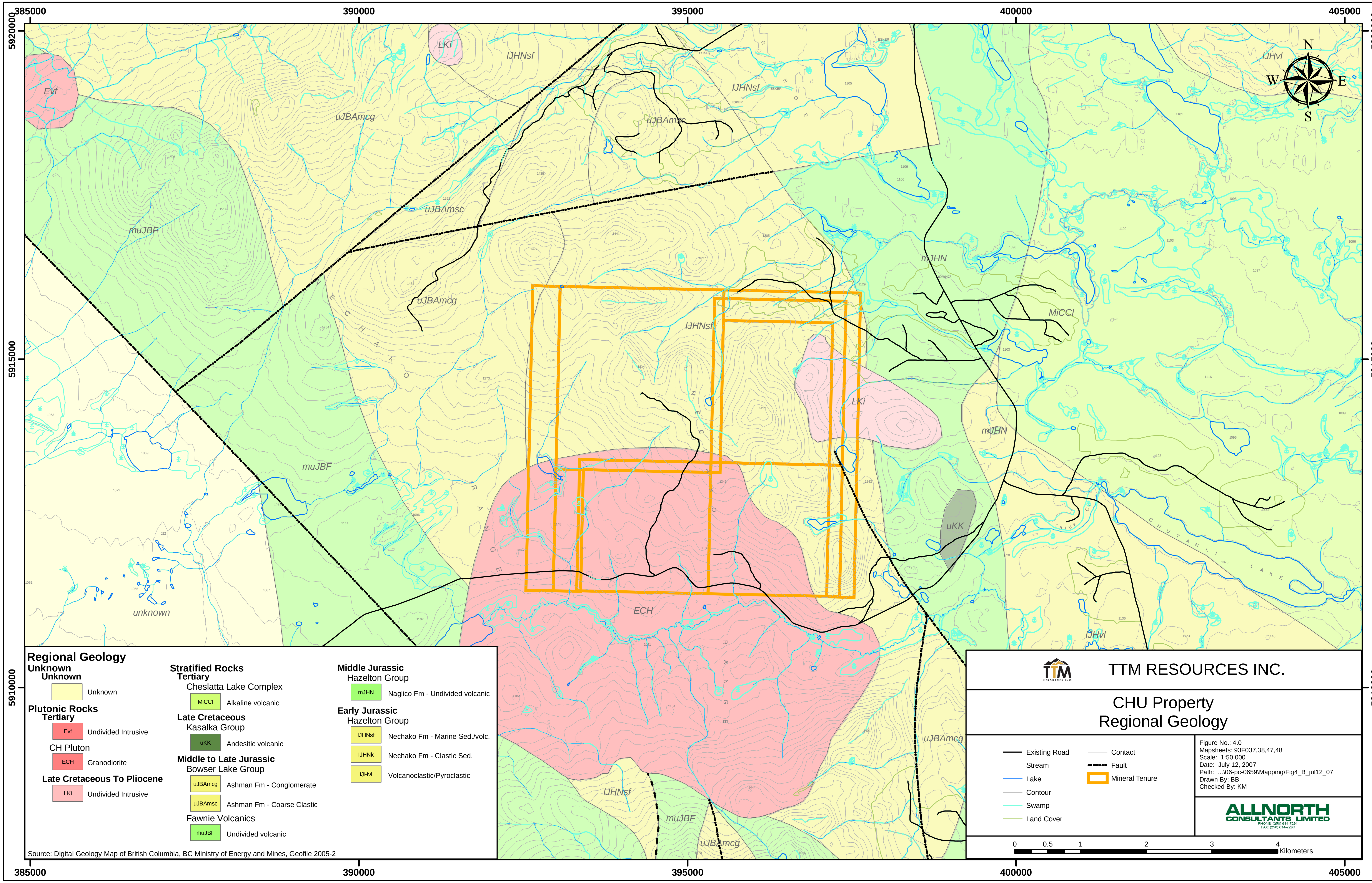
The youngest volcanic flows are olivine basalt flows of the Chilcotin Group. Chilcotin Group rocks are wide ranging and represent gently undulating plateau basalt flows that range in age from Neogene to Quaternary.

The surficial geology of the area is dominated by Pleistocene glacial deposits molded into a multitude of features that resulted from the last major advance of the Frasier glaciation. Glacial transport varies in the area from N60˚ to N90˚. Glacial deposits consist mostly of lodgement till with some areas with a thin veneer of ablation till. Esker systems are common as is fluvio-glacial material.

3.1 Regional Geology

The stratified rocks in the region are mainly dominated by Lower to Middle Jurassic volcanic and sedimentary rocks of the Hazelton Group which are a mixed assemblage of epiclastic and volcaniclastic sedimentary rocks, volcanic rocks and felsic intrusives that represent remnants of ancient volcanic island arcs (Figure 4.0). The oldest rocks are early Jurassic Hazelton Group and are represented by two facies; an undivided volcanoclastic and pyroclastic unit, and a unit comprised of clastic and marine sediments of the Nechako Formation. The Naglico Formation of the Hazelton Group is a younger and undivided Middle Jurassic volcanic sequence that probably overlies the lower Hazelton Group units. These rocks have been intruded by stocks of the Upper Cretaceous to Eocene Quanchus Intrusions which range in composition from granite to diorite.

Middle to Late Jurassic time is represented by Bowser Lake Group undivided volcanic units of the Fawnie formation (informal), and coarse clastics and conglomerates of the Ashman Formation. Late Cretaceous Kasalka Group andesite is present but not widespread. The Upper Cretaceous to Tertiary Ootsa Lake Group overlies and in part cross-cuts the Hazelton Group rocks. The Ootsa Lake group consists largely of felsic volcanic rocks intercalated with lesser amounts of intermediate volcanic and sedimentary rocks. The Ootsa Lake Group rocks appear to occur in isolated patches due to partial cover by younger overlying andesite flows and olivine plateau basalts, and are possibly coeval with the Quanchus Intrusions and may be their extrusive equivalents. Overlying all of the sequences are andesitic to basaltic flows of the Oligocene and Miocene Endako Group. The youngest rocks in the region are extensive flows of Miocene and Pliocene olivine basalt represented by the Cheslatta Lake alkaline volcanic rocks of the Tertiary Chilcotin Group.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muJBF
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MiCCI
uKK
ECH
lJHvl
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N E C H A K O
R A N G E
C H U T A N L I   L A K E
Regional Geology
Unknown
Unknown
Unknown
Plutonic Rocks
Tertiary
Evf
Undivided Intrusive
CH Pluton
ECH
Granodiorite
Late Cretaceous To Pliocene
LKi
Undivided Intrusive
Stratified Rocks
Tertiary
Cheslatta Lake Complex
MiCCI
Alkaline volcanic
Late Cretaceous
Kasalka Group
uKK
Andesitic volcanic
Middle to Late Jurassic
Bowser Lake Group
uJBAmcg
Ashman Fm - Conglomerate
uJBAmsc
Ashman Fm - Coarse Clastic
Fawnie Volcanics
muJBF
Undivided volcanic
Middle Jurassic
Hazelton Group
mJHN
Naglico Fm - Undivided volcanic
Early Jurassic
Hazelton Group
lJHNsf
Nechako Fm - Marine Sed./volc.
lJHNk
Nechako Fm - Clastic Sed.
lJHvl
Volcaniclastic/Pyroclastic
Source: Digital Geology Map of British Columbia, BC Ministry of Energy and Mines, Geofile 2005-2
TTM RESOURCES INC.
CHU Property
Regional Geology
Existing Road
Stream
Lake
Contour
Swamp
Land Cover
Contact
Fault
Mineral Tenure
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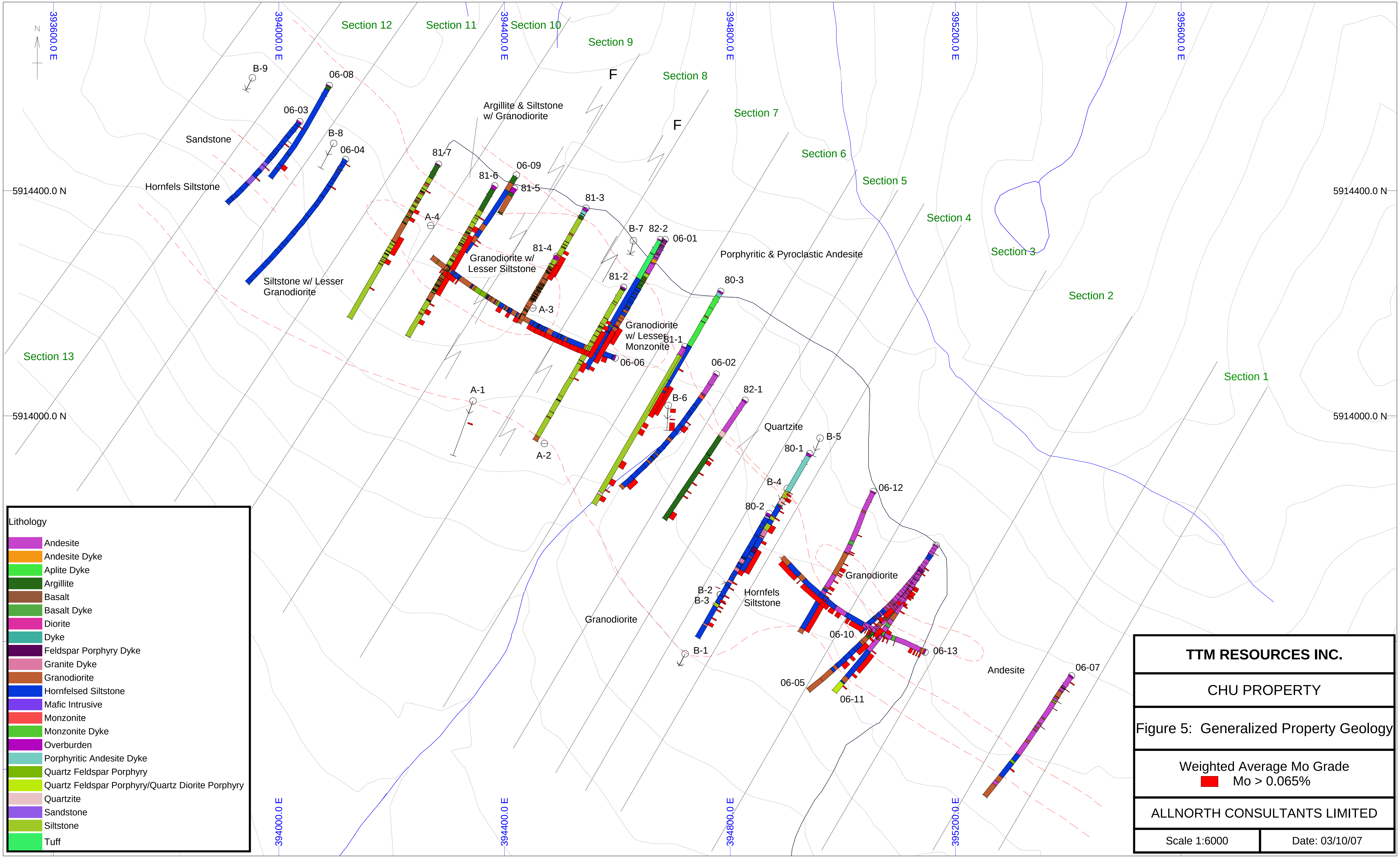

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Section 9
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Section 12
Section 13
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5914000.0 N
N
F
Sandstone
Hornfels Siltstone
Siltstone w/ Lesser Granodiorite
Argillite & Siltstone w/ Granodiorite
Granodiorite w/ Lesser Siltstone
Granodiorite w/ Lesser Monzonite
Porphyritic & Pyroclastic Andesite
Quartzite
Granodiorite
Hornfels Siltstone
Andesite
B-1
B-2
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B-4
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81-7
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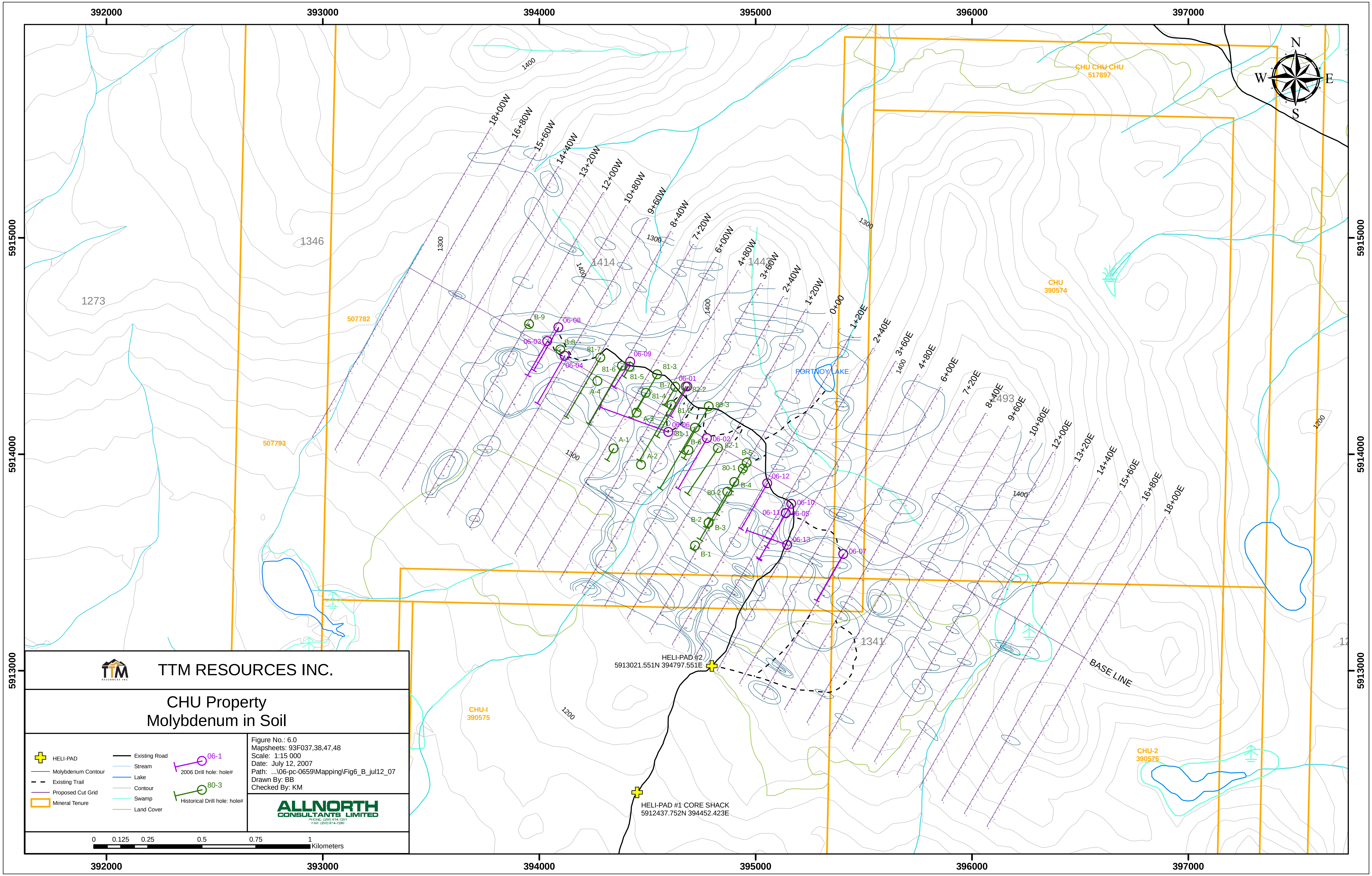
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
TTM RESOURCES INC.
CHU PROPERTY
Figure 5: Generalized Property Geology
Weighted Average Mo Grade
Mo > 0.065%
ALLNORTH CONSULTANTS LIMITED
Scale 1:6000
Date: 03/10/07



TTM RESOURCES INC.
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Molybdenum Contour
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Proposed Cut Grid
Mineral Tenure
Existing Road
Stream
Lake
Contour
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Land Cover
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Historical Drill hole: hole#
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517897
CHU
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CHU-2
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PORTNOY LAKE
BASE LINE
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HELI-PAD #1 CORE SHACK
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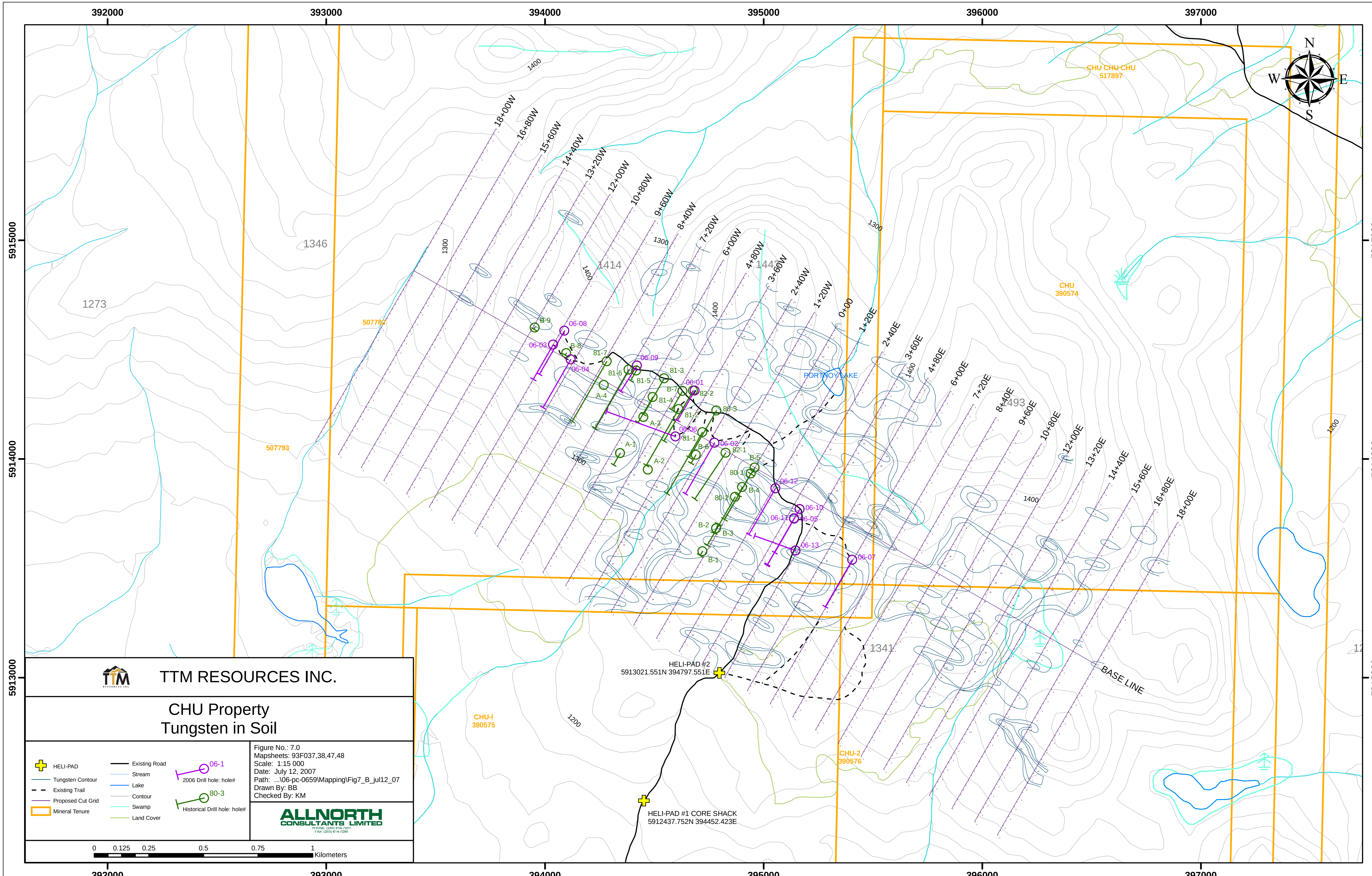

TTM RESOURCES INC.
CHU Property
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HELI-PAD
Tungsten Contour
Existing Trail
Proposed Cut Grid
Mineral Tenure
Existing Road
Stream
Lake
Contour
Swamp
Land Cover
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ALLNORTH CONSULTANTS LIMITED
PHONE: (250) 614-7291
FAX: (250) 614-7290
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CHU-2 390576
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PORTNOY LAKE
BASE LINE
HELI-PAD #2
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HELI-PAD #1 CORE SHACK
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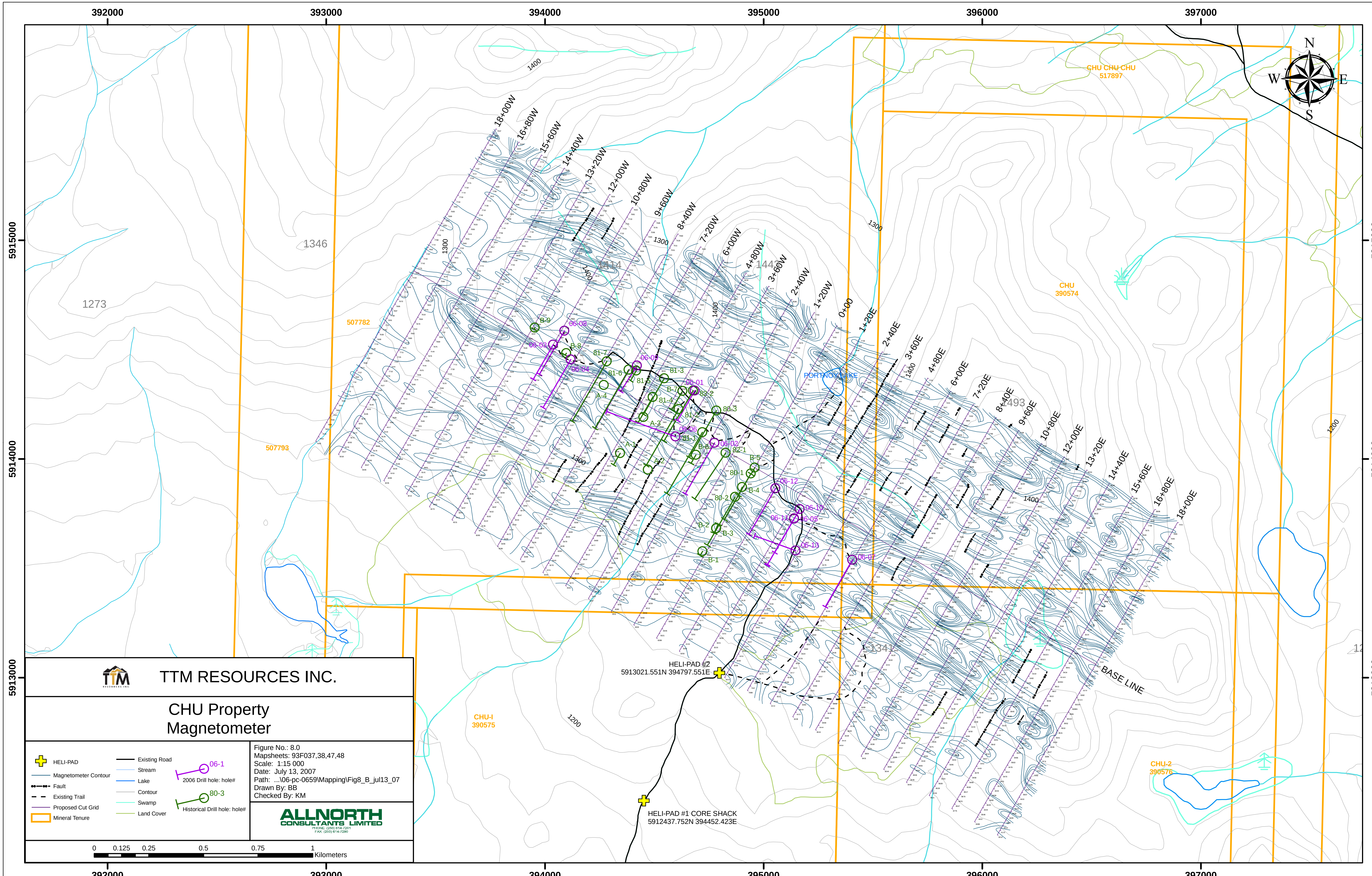
TTM RESOURCES INC.
CHU Property
Magnetometer
HELI-PAD
Magnetometer Contour
Fault
Existing Trail
Proposed Cut Grid
Mineral Tenure
Existing Road
Stream
Lake
Contour
Swamp
Land Cover
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Historical Drill hole: hole#
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Kilometers
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HELI-PAD #1 CORE SHACK
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PORTNOY LAKE
BASE LINE
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Plutonic rocks are represented by Late Cretaceous to Pliocene aged, undivided and unassigned, intrusive rocks. The aerially restricted but metallogenically more important Tertiary plutons are represented in the area by the Eocene Ch Pluton, and lesser undivided intrusives, possibly of the Quanchus Suite. The Ch stock is a small biotite-hornblende granodiorite stock that occurs in several localities on and near the Chu property and intrudes the Hazelton Group strata.

Northeasterly trending normal faults occur throughout the region, and form prominent lineaments.

3.2 Property Geology

The main lithological units recognized on the Chu property have been identified mainly from drill core logging. There is little outcrop exposure and only generalized geological mapping available from early workers (Figure 5.0). The main stratigraphic units are striking northwesterly and steeply dipping to the northeast and represent Hazelton Group andesite, tuff and pyroclastic andesite overlying intercalated units of hornfels siltstone, sandstone, quartzite and lesser argillite. The hornfels unit is sandwiched between the andesite and the underlying and intrusive CH granodiorite pluton. Granodiorite dykes are common and appear to intrude all stratigraphic units, and are spatially, if not temporally, associated with the CH pluton.

Biotite-bearing granitic dykes have been identified that are thought to be mid-Cretaceous Nechako Suite. Endako group basalt dykes are rare; as are monzonite dykes, andesite dykes, quartz feldspar porphyry and quartz diorite porphyry assemblages.

Fault structures have been interpolated in the NW of the mineralized zone to explain apparent offset or disruption of the zone between holes on the same section, or between drill fences. The faults are interpreted as northeasterly trending normal faults, similar to the regional pattern. The main alteration types found on the property are sericite, quartz, chlorite, argillite and calcite. The age of the mineralization is not known but there is some suggestion from overlapping and cross-cutting relationships that there may be multiple mineralization phases.

3.2.1 Surficial Geology

Most of the property is covered by unconsolidated glaciofluvial sediment or overburden that can measure up to 7 meters thick in some areas. There is only generally a thin layer of soil development at higher altitudes and only minor thicknesses of overburden on the steep slopes. Lower in the valley toward the southern property boundary there are exposures in road cuts and creeks that have been mapped as fluvial, glaciofluvial and lacustrine deposits of variable thickness.

3.2.2 Bedrock Geology

The bedrock geology of the property is dominated by a volcanic assemblage of andesitic composition overlying hornfels siltstone which is itself intruded at its lower contact by granodiorite. The mineralized stockwork is mainly hosted in a hornfels siltstone and to a lesser extent, sandstone and argillite. The intrusive rocks include basalt dyke, andesite dyke, granodiorite, monzonite, quartz feldspar porphyry and quartz diorite porphyry.

3.2.1.1 Volcanic Rocks

Andesite

The andesite unit is highly variable in color and texture and interpreted to have a pyroclastic origin. It ranges in grain size from aphanitic to porphyritic and is typically dominated by plagioclase. Biotite, quartz, magnetite and sphene are common accessory minerals. The unit was commonly found to be mineralized with disseminated and blotchy pyrite and lesser pyrrhotite. In color the unit is mottled, maroon red (hematite alteration) with blotches of green (chlorite alteration). The scoriae fragments are of various sizes, from crystal to lapilli size. Cavities were noted that are infilled with calcite, chlorite, quartz and some epidote. The unit was generally relatively soft and was easily scratched with a knife. Some units had a flow banded appearance while others sections had a brecciated (‘crackle breccia”) appearance that was most likely caused by micro faulting. A large proportion of the unit was mottled by quartz and calcite veins and veinlets.

3.2.1.2 Sediments

The sedimentary rocks include hornfels siltstone, sandstone, quartzite and argillite. The hornfels siltstone is the most prominent lithology and is usually intercalated with or cross-cut by granodiorite bands and dykes, and by lesser andesite dyke.

Generally the hornfels siltstone is dark-brown to black with a somewhat velvety luster owing to the abundance of black biotite. The unit is generally fine to very fine grained and weakly foliated with variable biotite hornfels and commonly stockworked with Mo-bearing narrow quartz veins. The degree of biotitization intensity seems to depend on presence and density of fractures. The unit can also be variably chloritized. The hornfels siltstone is very well indurated and has been rendered massive, hard, and splintery when split or cored. The hornfels is locally fissile but presence of bedding is difficult to determine and is assumed to be parallel to the penetrative foliation.

The sandstone is infrequently observed and described as light to dark brown, medium grained and slightly to highly altered. The argillite when found was generally described as dark colored, almost black, fine grained and mottled by quartz and calcite stringers.

3.2.1.3 Intrusives

There were several compositions of intrusive rocks noted in drill core, ranging from fine grained, dense, dark mafic basalt dyke to light colored, porphyritic granodiorite dyke.

Granodiorite dykes are generally porphyritic with coarse feldspar phenocrysts and a dense, light green feldspathic matrix. Generally the granodiorite was described as highly variable with wide ranging grain size and percentage of phenocrysts. The unit was generally found to be medium grey in colour, speckled black and white with a dense, light green feldspathic groundmass and subheudral plagioclase phenocrysts. The unit ranged from being more biotite rich to more quartz rich, but all occurrences had a proportion of biotite, plagioclase and quartz. Locally the unit was weakly foliated with chilled margins.

The basalt dyke has only been noted from several holes and is dark brown to black, fine grained and mainly fresh with sharp contacts but also described locally as a weakly weathered unit.

An andesite dyke has been logged that occurs as a dark green, weakly foliated and highly chloritized unit that may be equivalent to the granodiorite porphyry. Minor occurrences of monzonite, quartz feldspar porphyry and quartz diorite porphyry are noted.

The andesite dyke and the monzonite dyke only occurred in a couple of holes whereas the other types of intrusives have occurred in multiple holes. The quartz feldspar porphyry was described as dark green, strongly siliceous, fine grained, and containing feldspar and quartz. The quartz diorite porphyry only occurred in one hole and was associated with a granodiorite.

3.2.3 Structure

The stratigraphic units on the property strike NW-SE with a pronounced steep dip to the northeast. Local faulting has disrupted the sequence in at least two sections in the west and central portion of the zone. Normal block faulting is assumed and several holes were drilled along the trend of the structure to investigate the apparent disruption. The holes returned significant molybdenum mineralization and also considerable faulting and broken zones, suggesting that normal block faulting with an apparent NNE trend may have offset the zone and may help explains why shallow drilling on those same sections failed to intersect the zone.

Minor faulting was seen in core as well as micro faulting which was observed as displacement of individual veins. Other structures noted include local brecciated core, bedding and foliation and flow banding. The bedding and foliation were generally found in the sediments but there was note made of local foliation occurring in the granodiorite.

3.2.4 Alteration

The Chu mineralized zone does not exhibit the characteristic alteration pattern of a typical porphyry deposit. Instead, it is characterized by an initial thermal metamorphic event that caused the porous sedimentary rocks to alter to biotite-grade hornfels. Metasomatic alteration derived from magmatic fluids from the nearby intrusive stock may have modified and overprinted the initial thermal aureole and resulted in the localized deposition of metallic minerals. The result of alteration processes at Chu is the development of a unique assemblage of secondary alteration minerals, including biotite, quartz, and sulphide minerals. Sulphide minerals include pyrite, pyrrhotite, molybdenite and chalcopyrite.

The alteration is relatively more pervasive in the hornfels siltstone likely due to the penetrative foliation fabric and the intensity of fracturing that resulted from pluton emplacement and circulation of metamorphic and metasomatic fluids. Localized normal faulting subsequent to the intrusion may have played a role in secondary alteration.

The most widespread alteration is the quartz (silica) and calcite veins. These can be found in all holes and in all types of rock. They can occur as stringers, veins and veinlets. The calcite veins are typically randomly orientated and may post-date the silica veins. The quartz veins can form in a variety of shapes and sizes, but some general observations have been made below.

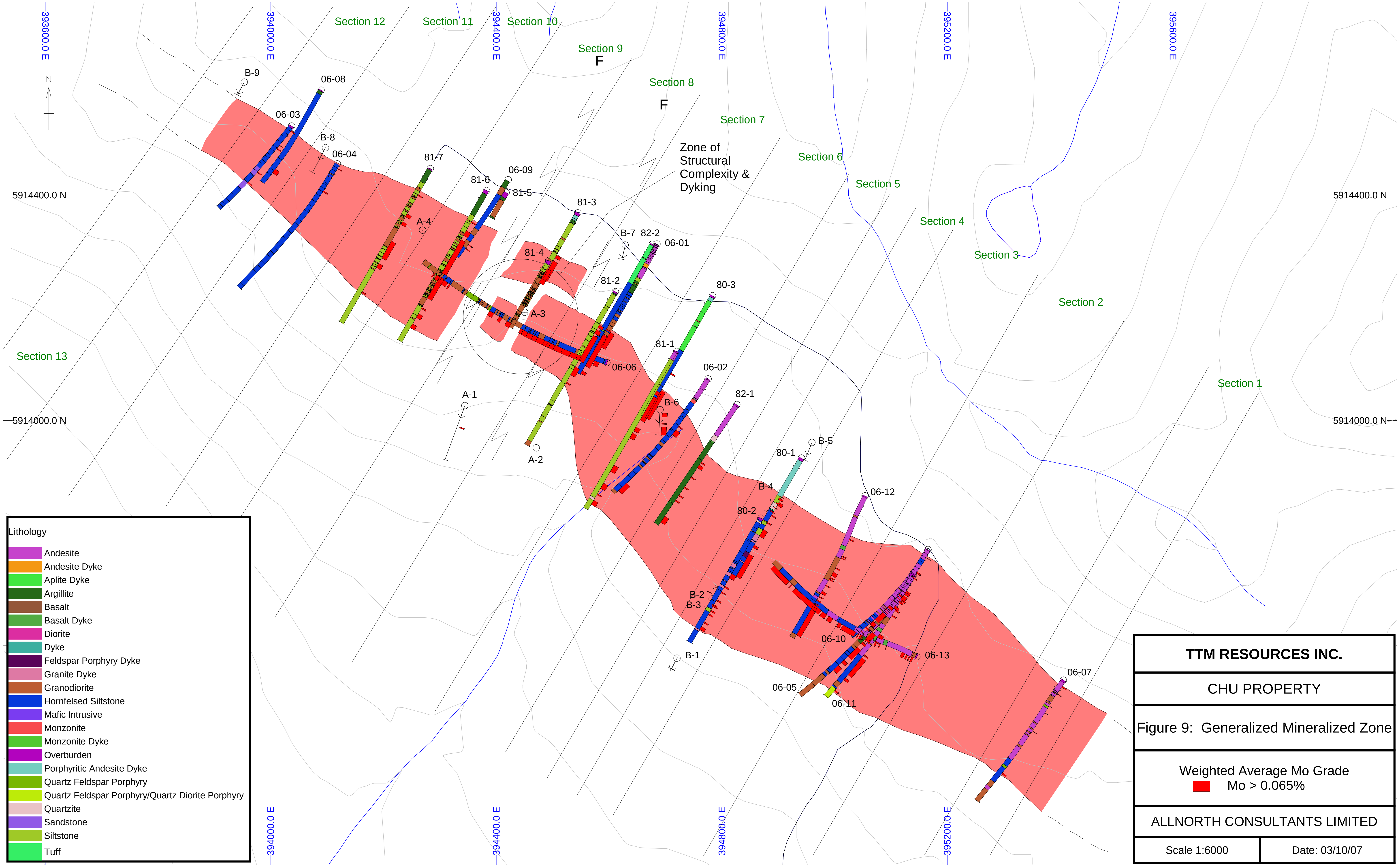
Localized clay (argillic) alteration has been noted within and adjacent to faults; and strong but patchy chlorite, sericite, calcite, and to a lesser extent, epidote, have been noted as secondary alteration minerals.

3.2.5 Mineralization

The bulk of the quartz vein or stockwork hosted mineralization seems to occur within the sedimentary rocks, especially the hornfels siltstones. This may be due to the brittle and foliated nature of the rock, which is preferentially more amenable to hydraulic flow of fluids carrying mineral constituents. The molybdenum mineralization primarily occurs with quartz as fracture fillings and is less commonly observed as fine disseminations within the country rock. The disseminations tend to be proximal to a quartz vein or stockwork and decreases to traces within centimeters of the quartz host (Figure 9.0).

FP Veins

There appears to be three main types of quartz veins; and all carry molybdenum mineralization to varying degrees. There are simple veins that tend to occur in clusters in the hornfels siltstone, are generally parallel to bedding or foliation, and measure in the millimeter to centimeter scale. These veins can be barren or more often are mineralized with coincident fine grained pyrite and molybdenite and minor chalcopyrite. The frequency of these types of veins is highly variable but where there is a close and dense



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Section 1
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Section 12
Section 13
F
Zone of Structural Complexity & Dyking
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Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
TTM RESOURCES INC.
CHU PROPERTY
Figure 9: Generalized Mineralized Zone
Weighted Average Mo Grade
Mo > 0.065%
ALLNORTH CONSULTANTS LIMITED
Scale 1:6000
Date: 03/10/07

pattern the molybdenum grade increases. For ease of identification these veins are called foliation parallel or FP veins. These vein types may have formed by crack-seal means and probably formed relatively quite quickly by precipitation of quartz and sulphide bearing fluid in incipient fractures. This type of vein structure may mark the first pulse of hydrothermal fluid and the first generation of molybdenum mineralization.

AP Veins

There are long sub-vertical quartz veins that tend to be up to several meters in length. They can exhibit a crude colloform habit which appears as sequential selvages of quartz which radiate out from the vein nuclei to the vein wall and appear to fill up the available open space. Coarse molybdenum and pyrite and lesser pyrrhotite is often preferentially found at the outer selvage or vein wall. There is some evidence of fluid boiling present as vugs and cavities. These veins are not common but produce very visible coarse molybdenum and can give rise to significant molybdenum grade over several meters.

The quartz can be dull and massive, fractured or sometimes quite druzy. Accessory minerals comprise calcite, chlorite, sericite and minor epidote. For ease of presentation these veins are axis parallel or AP veins. These veins appear to cross-cut all other vein sets, likely post date the initial mineralizing event, and may represent an epithermal event subsequent to the pluton emplacement. The AP veins may be crack-seal veins that grew later in size and thickness by reopening of the vein fracture and progressive deposition of quartz and/or sulphides.

Stockwork Veins

There are also stringers, veins and veinlets of quartz found in a complexly anastomosing and branching stockwork with pyrite, chlorite, trace epidote and variable molybdenite content. The individual quartz veins are sometimes massive and distinct but more often comprised of individual wispy veinlets at the millimetric scale. The “crackle breccia” texture is commonly observed in the hornfels siltstone and probably formed by hydraulic fracturing and subsequent infilling with vein material. This type of breccia vein system is quite extensive in the hornfels unit and is volumetrically the most important host for molybdenum mineralization. The overall form of the breccia vein system or stockwork is a tabular dipping sheet whose depth extent is unknown but whose upward migration may have been halted by the overlying andesite which could have acted as a cap rock. Similarly pre-mineral dykes may have controlled the lateral extent of migration, or at least limited the development.

3.2.6 Geological Model

The Chu prospect shares some common characteristics of low fluorine-type molybdenum porphyry deposits but there are also some unique differences, as described above. Like Low F type deposit, the mineralization at Chu is predominantly structure controlled and the molybdenum is preferentially found in stockworks of quartz veins and fractures and in vein sets. There also appears to be multiple mineralization phases. The gangue minerals that are associated with the Chu are also commonly found at Low F type deposits, including quartz, pyrite, biotite, sericite, clays, and calcite. In fact the Chu may be a transitional model to a true molybdenum porphyry, sharing some characteristics but lacking other, especially disseminated mineralization, porphyritic host and zoned potassic-phyllic-prophylitic-argillic alteration.

At a preliminary geological model level there would appear to be at least three distinct phases of molybdenum mineralization, related to the style and timing of the emplacement of quartz. Various workers have suggested the feeder system to the Chu stockwork may be associated with a yet unidentified and possibly mineralized buried intrusive and not the shallow granodiorite intrusive stock known from drill core. The CH pluton has been described as barren of molybdenum mineralization, suggesting it is post-mineral. The initial pulse of hydrothermal fluid probably occurred contemporaneously with the emplacement of a neighbor pluton or an earlier deep seated intrusive. The migrating hydrothermal fluids would have found a suitable precipitation environment in the pervasively foliated hornfels, giving rise to the FP veins (Figure 10.0).

A subsequent and much more pervasive pulse of hydrothermal fluid emplacement may have caused the brittle hornfels siltstone to fracture allowing invasion of the crackle breccia vein system. This event was probably caused by intrusion of the deep seated and earlier intrusive. A later “epithermal” fluid migration of unknown source probably gave rise to the AP veins. Epithermal style veins are known from several deposits in the vicinity of the Chu, including the Trout prospect and the Tsacha prospect.

Other sulphide minerals noted at the Chu including pyrite, chalcopyrite, and pyrrhotite. Tungsten values have been reported from previous soil geochemistry programs but no tungsten mineralization was observed in the 2006 drill campaign. Iron oxide minerals of note include magnetite and hematite.

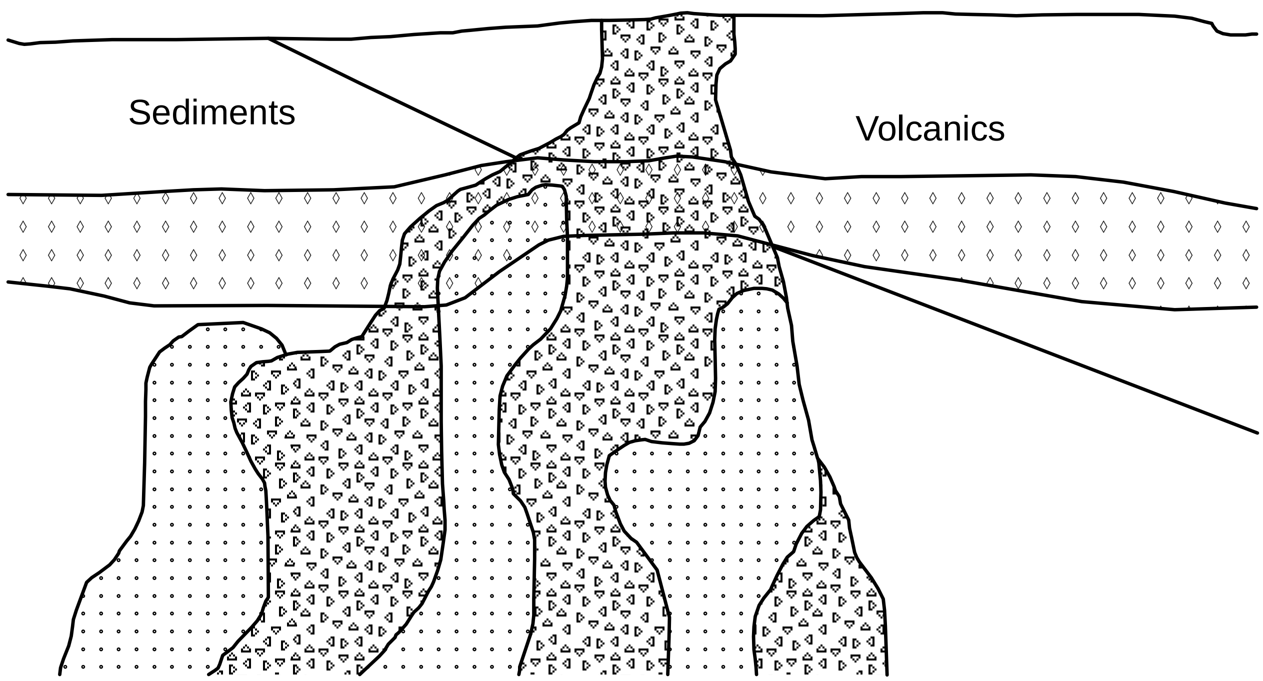
A generalized schematic of the preliminary geological model is shown in figure xx.

4.0 2006 Exploration Program

The 2006 winter drill program completed thirteen (13) drill holes totaling 6,129 metres of NQ core. The overall goal of the program was to better define the geometry of the mineralized zone and confirm the historic molybdenum values sampled from earlier drilling, and to search for mineralization at deeper depths.

The objectives of the program are identified as follows:

- Test the continuity of the known mineralized zones from widely spaced holes
- Test for the strike continuity NW and SE of the mineralized zone



TTM RESOURCES INC.

CHU Property

Generalized Geological Model of the CHU Prospect

Granodiorite
Hazelton Group
Main Intrusive Body
Structurally Controlled Abundant Intrusions

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- Test parallel to strike to probe for apparent fault offsets that would explain the seemingly rapid lithological changes in several sections within the known bounds of the mineralized zone
- Test below the depth extent of the historic holes

The following table identifies the holes drilled in 2006-2007. Two holes were abandoned before their intended depth due to difficult ground conditions and risk of collapse.

Table 2: 2006-2007 Drill Holes

HOLE	East	North	Elevation	Depth(m)	Azimuth	Dip
06-01	394685.086	5914312.593	1371.358	609.60	210	-75
06-02	394775.941	5914073.637	1340.332	468.48	210	-55
06-03	394037.010	5914522.179	1353.105	364.85	210	-60
06-04	394118.132	5914454.768	1352.272	395.33	210	-50
06-05	395140.224	5913726.045	1347.041	486.76	210	-60
06-06*	394596.699	5914102.463	1335.510	584.30	290	-55
06-07	395406.023	5913538.732	1354.894	431.90	210	-55
06-08	394089.439	5914586.082	1368.486	300.53	210	-55
06-09	394421.213	5914427.072	1365.922	331.01	212.5	-65
06-10	395165.685	5913770.307	1354.044	669.65	210	-75
06-11	395139.518	5913728.069	1346.901	361.48	210	-45
06-12	395054.355	5913865.562	1364.843	501.70	210	-60
06-13*	395146.347	5913580.452	1336.000	626.06	300	-60

* drilled parallel to strike of mineralized zone

4.1 Drilling & Core Handling Procedures

Falcon Drilling of Prince George conducted the drilling on a 24-hour, 2 shift rotation from mid December to the beginning of April. An NQ-sized (63.5 mm in diameter) drill rod was used to drill the core and the inclinations varied for each hole. See the table above for the exact azimuth and dip values.

The location of each drill collars was initially found by handheld GPS (Garmin XL) survey method. A downhole survey was conducted by the drill crew using a Reflex EZ-Shot hole survey instrument. After the completion of the drill program the drill collars were re-surveyed using a precision LEICA RTK GNSS base station and rover. All holes locations were found accurate to less than 0.07m relative to the base station, with the exception of hole 06-03 with an accuracy of 1.02m and 06-07 with an accuracy of 1.188m. This discrepancy was most likely due to the height of the trees in the area.

The core was delivered to the core shack by the drillers at the end of each shift (twice a day). A company representative was at the core shack at all times to take delivery of the core, and ensure that run markers were inserted correctly. Aluminum tags were attached to each core box with the Hole ID, the box number, and interval length noted. After logging the core was stored temporarily and then later shifted to core racks fitted inside overseas shipping (seacan) containers.

The core was logged in detail and pertinent geological and basic geotechnical data was collected and inputted into a computer logging program. Geological logging included conventional descriptions of lithology, structure, alteration and mineralization. The geotechnical logging included measuring core recovery, dominant discontinuities, RQD, estimating rock strength and weathering.

The entire length of ore for each hole was split in half and one half was sampled in 3.05 m intervals and sent off-site by a licensed carrier to Eco –Tech Labs of Kamloops, BC for detailed 31 element ICP analysis. The other half was left in the core box for future reference. The sample interval was typically the length between drill run markers (3.05m) or corresponded to lithological contacts. A total of 2,465 samples were sent for analyses with Mo and Cu assays run on any sample that exceeded 500 ppm. Results were reported as percent copper (%Cu) and percent molybdenum (%Mo). Earlier Chu programs reported % molybdenite (% MoS2).

The core was split using a hydraulic splitter with every effort made to maintain the proper core orientation and an even split. Care was also taken to reduce the amount of cross-contamination between each sample by reducing the amount of fugitive dust and carefully cleaning the work station upon the completion of a given sample.

A Quality Control and Quality Assurance program (QC/QA) was established and included inserting blanks, duplicates and CANMET Standards into the sample stream. At least one control sample type was inserted into the sample stream every 20 samples, with the type repeated every 4th round. The blank samples were a lime aggregate sourced from a local nursery. They were known to not contain any significant values of copper, silver, gold or molybdenum. Approximately 100g of this lime aggregate was put into a poly bag and given the appropriate sample number in the sample sequence. The CANMET Standard sample (MoS-1) was also inserted into the sample set and had a known value of molybdenum (0.065% +/- 0.008%). The duplicate control measure was taken from a re-split of the designated split interval, resulting in two quarters, one for analysis and one for quality control.

The samples were sent for analysis to Eco-tech Laboratory Inc, of Kamloops, British Colombia.. After arrival at the lab the samples were crushed and a 5g sample of the crushed material digested with 3mL of a 3:1:2 ($HCL:HN_{03}:H_20$) for 90 minutes in a 95°C water bath. This sample was then put into a Jarrell Ash ICP unit for the multi element ICP analysis. The elements that are tested for are Ag, Al, As, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sn, Sr, Ti, U, V, Y, Zn.

As an extra quality control measure, the duplicate sample rejects from Eco-Tech were sent to ALS Chemex where they were first pulverized to a grain size less than 75µm.

The samples were then split using a riffle splitter and a 35 element Aqua Regina ICP-AES analysis was done. The elements that this lab tests for are Ag, Al, As, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sn, Sr, Th, Ti, Tl, U, V, W, Zn.

4.2 Results

The Chu program was designed to further explore the property for areas of high Mo mineralization, to determine control of the mineralization, and to fill in the informational gaps from previous work. Thirteen HQ-sized drill holes (CHU0601 to CHU0613) were drilled for a total length of 6,129m at various inclinations. A couple of holes had to be abandoned either due to excessive downhole deviation or because of difficult ground conditions.

4.2.1 QC/QA

A statistical analysis of the control standard was completed between the known values of the MoS-1 standard and the values returned from Eco-tech. The graphs in Appendix VIII illustrate the difference in the sample values between the known value of the MoS-1 standard and the values of the standard samples that were measured by Eco-tech. The value of the standard is 0.065% Mo and the allowed variation is +/- 0.008% or +/- 2 standard deviations of this value. The values returned from Eco-tech were within the acceptable levels of reproducibility. The mean of the values tended to be lower than the known standard value, but overall the results from the Eco-tech were deemed satisfactory.

Another statistical analysis was completed to compare the analytical results from each lab for the duplicate control. The allowable deviation of the data was determined to be two standard deviations above and below the mean of the data. All but three duplicates were found to be within acceptable limits for both copper and molybdenum values. In general terms both labs tended to be more closely repeatable for Cu over Mo.

4.2.2 Geochemistry

As a general rule, the percentage of copper is uniformly less than 0.1% and tends to remain at the same average value, regardless of molybdenum content. In some instances strong molybdenum was encountered with only trace or no chalcopyrite present. The copper mineralization did not have apparent preferred location and was found distributed infrequently and unevenly throughout each type of lithology and each hole.

The bulk of the Mo mineralization occurs within the hornfels siltstones but was also noted within the overlying andesite unit and also within the granodiorite sequences (sill?) that penetrate the hornfels siltstone. The strength of Mo mineralization in general appears to improve at depth but there are variations to the rule, especially where the hornfels is limited in depth by barren granodiorite at deeper depths. No geochemical pattern for other elements could be discerned and nor were any pathfinder elements identified.

4.2.3 Structure

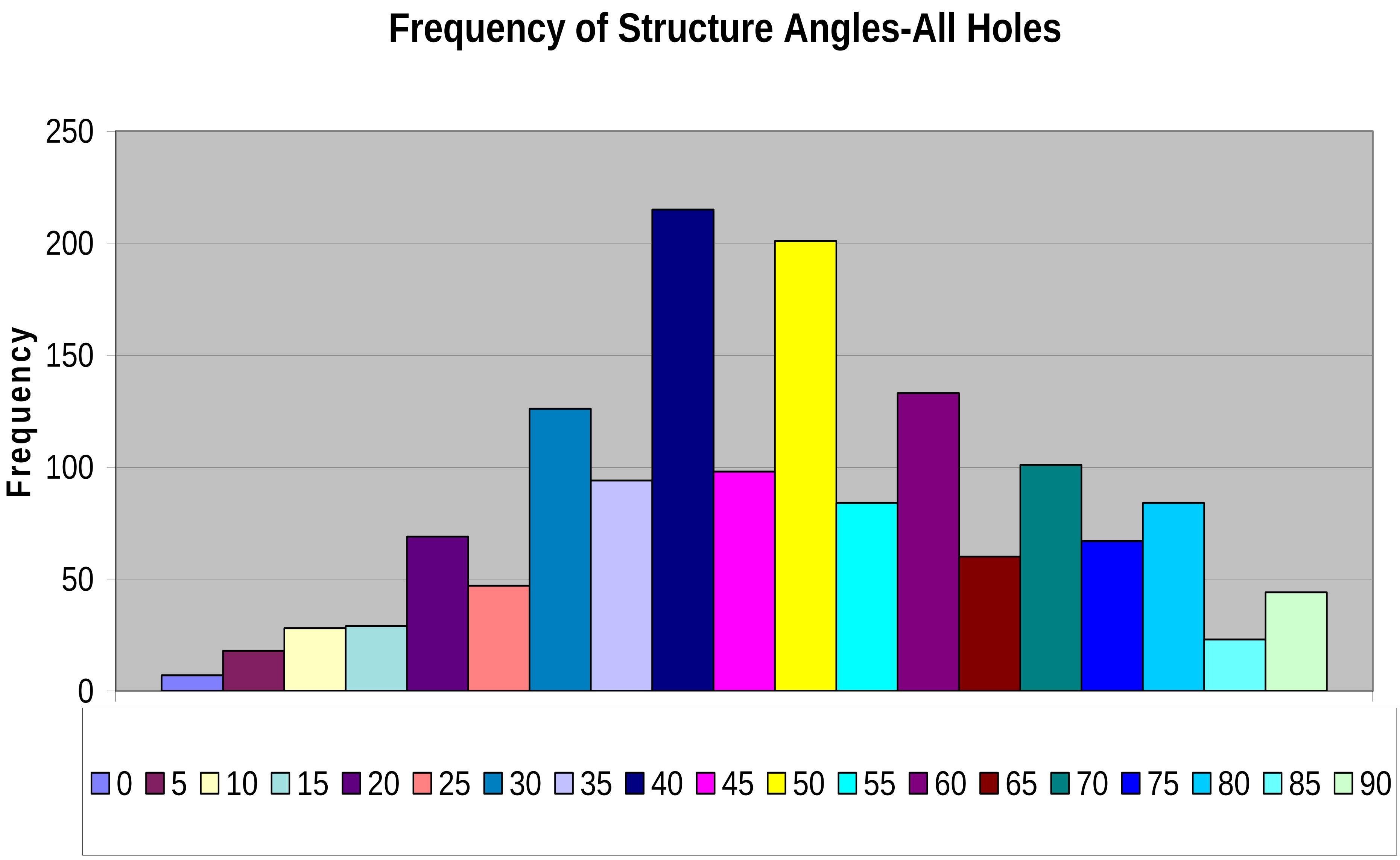
The angle to drill core axis was examined statistically to determine if there was a relative preferred vein orientation. The most common vein angle to core axis (TCA) is 40°, followed next by 50° TCA and then 60° TCA. The attached figure shows a histogram illustrating these vein sets and their cluster points (Figure 11.0). Veins at an angle between 40° to 60° TCA tend to carry lower Mo grade compared to the more uncommon angles

Although proportionately there are many veins at 40° TCA, the average grade of Mo in those veins is 0.043%. Conversely there are relatively few veins at 0° TCA but the average Mo grade in these veins is 0.090%. This type of vein is typically long, thick and mineralized with coarse “crack and seal” molybdenum at the vein selvage. Figure 12.0 shows a histogram illustrating this concept. There appears to be a strong correlation between the percentage of Mo by sample interval and the total number of recorded veins in a given hole. As the total number of veins increase, the total percentage of Mo increases as well, and the more complex the stockwork density the better the molybdenum content.

4.2.4 Drill Results

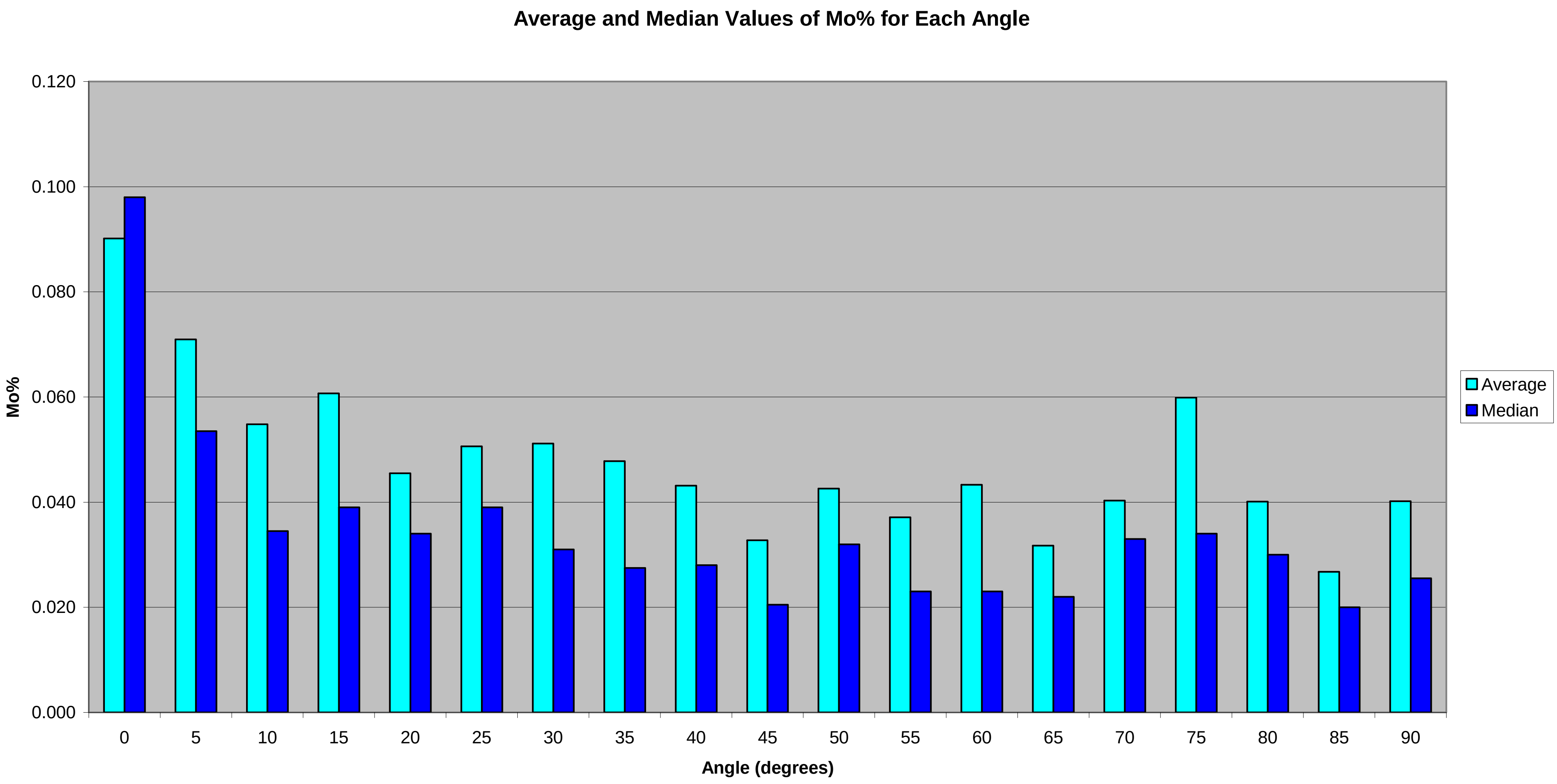
Below is a table of significant mineralized intervals and a brief summary description of each hole. The summary descriptions below are mainly taken from log summaries written by the individual geologist who was responsible for core logging each hole. The complete geological drill logs and sample analysis and assay certificates are provided in Appendix IV and V, respectively.

Hole ID	**From (m)**	**To (m)**	**Cu% (weighted average)**	**Mo%* (weighted average)**	**Interval Length (m)**
CH-06-01	413.92	465.73	0.029	0.043	51.8
CH-06-01	520.63	593.75	0.071	0.108	73.15
CH-06-02	178.92	233.78	0.034	0.066	54.9
including	194.16	212.45	0.045	0.088	18.3
	419.71	453.24	0.076	0.074	33.5
including	434.95	450.19	0.111	0.084	15.2
CH-06-03	80.2	81	0.082	0.468	0.8



Frequency of Structure Angles-All Holes
Frequency
250
200
150
100
50
0
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90

Figure 11



Average and Median Values of Mo% for Each Angle
0.120
0.100
0.080
0.060
0.040
0.020
0.000
Mo%
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
Angle (degrees)
Average
Median

Figure 12

	242.93	245.97	0.050	0.379	3.04
CH-06-04	9.14	11.28	0.028	0.058	2.14
	81.38	84.43	0.027	0.061	3.05
CH-06-05	60.05	66.14	0.043	0.073	6.09
	78.33	93.57	0.045	0.063	15.24
	99.67	105.77	0.048	0.057	6.10
	121.01	130.15	0.050	0.049	9.14
	227.69	258.17	0.059	0.110	30.48
including	245.97	258.17	0.075	0.183	12.20
	267.31	273.41	0.121	0.088	6.10
	288.65	325.22	0.027	0.126	36.57
including	288.65	309.98	0.031	0.152	21.33
	340.46	349.61	0.026	0.055	9.15
	361.80	380.09	0.021	0.143	18.29
CH-06-06	23.47	38.71	0.046	0.093	15.24
	78.33	277.29	0.047	0.132	198.96
	307.27	320.90	0.049	0.088	13.63
	335.83	345.28	0.037	0.087	9.45
	361.80	375.28	0.040	0.102	13.48
	505.05	524.76	0.060	0.101	19.71
	529.44	538.58	0.063	0.079	9.14
CH-06-07	17.37	20.42	0.050	0.102	3.05
	44.81	45.77	0.050	0.141	0.96
	152.23	154.88	0.050	0.096	2.65
	330.04	334	0.020	0.084	3.96
CH-06-08	254.81	267	0.042	0.109	12.2
CH-06-09	276.45	279.50	0.020	0.087	3.05
	291.69	294.74	0.030	0.096	3.05
CH-06-10	157.58	166.73	0.081	0.078	9.15
	200.25	206.35	0.057	0.104	6.10
	334.36	343.51	0.044	0.144	9.15
	425.81	441.05	0.117	0.092	15.24
	480.67	535.53	0.048	0.081	54.86
	547.42	556.87	0.021	0.096	9.15
	590.40	596.49	0.013	0.078	6.09
CH-06-11	50.60	56.69	0.040	0.070	6.09

	169.47	178.61	0.080	0.088	9.14
	239.57	291.39	0.110	0.091	51.82
	300.53	306.63	0.020	0.075	6.10
CH-06-12	270.05	282.24	0.030	0.087	12.19
	337.11	346.25	0.050	0.075	9.14
	391.97	489.51	0.060	0.110	97.54
CH-06-13	242.62	297.48	0.070	0.118	54.86
	391.97	513.89	0.040	0.110	121.92
	544.37	617.52	0.030	0.109	73.15

*Assays are for the element Mo, not Molybdenite MoS2. All values in this report are % Mo unless otherwise stated.

CH-06-01:

This hole was collared to test below historic hole #82-2; which intersected 100.5m of 0.158% Mo from 301.8m. CH-06-01 intersected dark green-black, mottled purple, pyroclastic andesite (from porphyritic to fine grained) with moderate feldspar, and abundant calcite-quartz-chlorite stringers and veins. Patchy biotitization is evidenced by specks of weathered biotite. The core is mainly hard and well indurated with widely distributed silica alteration as irregular quartz veins. Trace to weak magnetite (<2%) was noted in a few discrete zones but rarely >5%. Pyrite and pyrrhotite (0.5-2.0%) are mostly fine grained disseminations; rarely >5% and only when in quartz-calcite veins and/or silica zones. Chalcopyrite is locally found in trace amounts.

The sedimentary contact was intersected at 239.1m; and below the hole encountered black, very fine grained argillite mottled by albite - quartz veins and stringers. Minor faults and shear zones (0.2-2.0m thickness) are present within the argillite unit.

Below 286.5m interbedded argillite and siltstone was intersected with silica alteration as zones of irregular but pervasive strong matrix silicification with or without quartz veining. Weak pyrite and pyrrhotite was observed in veins. The zone is dominated by abundant albite-quartz-chlorite veins and stringers. Below 307.2m the hole encountered black argillite with interbedded subparallel hornfels siltstone (40%) and some granodiorite dykes up to 2.0m in width. From 326.18m to 420.85m hornfels siltstone was encountered with quartz-pyrite +/- molybdenite and a few granodiorite dykes from one to three meters in thickness. From 420.85m to 572.4m the hole was dominated by a massive granodiorite sill with ~30% hornfels siltstone and greenish monzonite porphyry, and strong magnetite present below 528.0m. The core was mottled by a complex stockwork of pyrite-pyrrhotite veins, abundant molybdenite stringers and trace disseminations. An interval of hornfels siltstone appeared again from 584.6m to the end of the hole with porphyritic monzonite, traces of epidote, abundant pyrite blotches and thin pyrite stringers, calcite veins, chlorite alteration, and quartz-pyrite veins +/- molybdenite stringers. The hole was stopped at 609.6m.

The high grade zones drilled in CH-06-01 represent the down dip confirmation of mineralization encountered in 81-2 (0.126% Mo over 24.4 m) and 82-2 (0.13% Mo over 36.6 m) and indicate this mineralization extends an additional 300 meters to depth.

CH-06-02:

Ch-06-02 was collared to test for continuity of the zone between holes' 81-1 and 82-1, a distance of 150m apart. Hole 81-1 intersected multiple narrow mineralized zones with one large zone returning 0.108% Mo over 73.2m from 143.2m. 82-1 intersected multiple narrow intervals, including 0.109% Mo over 18.3 m at 344.4m.

CH-06-02 collared in green-mottled purple andesite porphyry with feldspar phenocrysts and abundant quartz-pyrite veins in a stockwork. Molybdenite was present below 10.7m in moderately dense quartz veinlets, accompanied by weak to moderate chlorite alteration and very weak calcite alteration. Fine and coarse grained disseminated pyrite was observed with a few zones of abundant stringer pyrite up to ~4%. Below 50.0m andesite is irregular and complexly intermingled with monzonite porphyry; with moderate alteration as pyrite-calcite-chlorite +/- biotite.

Brown hornfels siltstone was present below 92.5m with banded zones; similar to weak gneissic fabric. A broken fault zone was cut from 146.67 to 150.24m. Below 150.24m structure was dominated by quartz-pyrite stockwork +/- Molybdenite (~0.5 %) with moderate chlorite, weak calcite and epidote alteration.

Strong molybdenite mineralization was encountered in quartz veins and veinlets from 160.0m to 280.0m. Quartz veins are thick and tend to have better mineralization as splatters and microstringers (except fault zone 199.6-203.7m and dyke 253.5-263.7m). Another fault zone was encountered with quartz veinlets and weak MoS_2 mineralization from 289.76 to 295.25m.

From 303.89 to 458.8 variably altered and quartz veined siltstone with intercalated granodiorite dykes and a minor fault zone was intersected. Veins were typically narrow quartz-pyrite +/- MoS_2. A granodiorite unit was cut from 458.8 to the end of hole at 468.48m.

The mineralized intervals encountered in this hole demonstrate the on-strike continuity of the zone.

CH-06-03

Drill Holes CHU 06-03 and CHU 06-04 were collared to test for a northwest extension of the mineralized zone. Both holes encountered narrow high grade Mo values. It has been postulated that these holes were collared too far south and may have drilled only the footwall of the zone. Hole CHU 06-08 was an attempt to test this hypothesis by stepping north and trying again to reach the zone.

DDH Ch-06-03 was collared 250m NW of historic hole 81-7. The core in DDH 06-03 is dominantly present as a hornfels, fine grained siltstone with moderate biotitization, weak calcite, weak magnetite and strong but irregular silicification. There were a few fault zones and breccia zones encountered, and several types of veins are present.

Quartz-calcite-chlorite-sulfide +/-biotite +/- albite veins were generally oriented parallel to the foliation direction. A similar type of vein was noted with albite-calcite-chlorite-quartz-pyrrhotite-pyrite-biotite +/-epidote and was usually found to be strongly contorted or fused. This type of vein usually didn't contain any visible MoS2 mineralization. Quartz-sulfide +/- MoS2 +/-chlorite veins and stringers were identified as a unique set and generally carried MoS2 at the selvage of the vein wall in narrow ~1-2cm ribbons. Random narrow (1-5mm) wide molybdenite veinlets +/-albite or quartz were also noted.

Molybdenite was present as tiny stringers and small blotches or blebs in thick quartz veins (usually >4cm). Molybdenite was also present in 1-4mm wide quartz-sulfide stringers. Quartz-sulfide veins with distinctive bluish hue were believed to comprise fine grained molybdenite but in an amount and size too difficult to identify. Below 200.0m significant mineralization (>0.3% visible MoS2) was common within narrow 5-20mm quartz-pyrrhotite-molybdenite simple and complex stockworks.

Three narrow intervals exceeding 0.1% Mo were intersected, demonstrating the persistence of the veining to the northwest and the potential for relatively high molybdenum grades on the property.

CH-06-04

CH-06-04 stepped 110 m back to the southeast from collar CH-06-03 to seek continuity of the stockwork zone and infill drill to the northwest of historical hole 81-7. DH 06-04 penetrated several intervals of molybdenite mineralization. The hole intersected hornfels siltstone intercalated with a fine to medium grained sandstone with patchy biotite and chlorite alteration, and pervasive strong to very strong silicification. Pyrrhotite was present in amounts from 2-4%, as well as ~1% pyrite. Several narrow fault zones, granodiorite dykes and breccia zones were intersected but were not considered significant.

From 9.14m up to 179.0m visible MoS2 mineralization was encountered in quartz-pyrite-pyrrhotite veins, decreasing in vein abundance and MoS2 content from 179.0 to 230.0m and again from 230.0m to 261.0m. Magnetite was present in veins with quartz-chlorite-pyrrhotite and +/-albite. Below 261.0m the density of quartz-sulfide-molybdenite veins and stringers increased. There seems also to be a gradual transition to strongly silicified and medium grained sandstone.

Narrow breccia zones were randomly encountered, with cellular texture & large rounded and milled grains of quartz. Within the breccia zones were often contorted & irregular, narrow dendritic quartz veins, quartz-molybdenite stringers and fine grained disseminated pyrite, along with strong silicification and very weak chlorite alteration.

Molybdenum mineralization in this hole is believed to have a preferential structural control in the form of a conjugate fracture pattern that concentrates the veining and gives rise to higher molybdenum grades. CH-06-04 returned two narrow intervals of greater than 0.050% Mo and was anomalous over a downhole interval of 203 m.

CH-06-05

CH-06-05 was drilled to a depth of 486.76 m and targeted the known strike-extent of the zone by stepping out 275 m SE from historical hole 80-1. CH-06-05 intersected andesite and minor granodiorite and basalt dykes down to a depth of 253 m before encountering a sequence of argillite overtop of hornfels siltstone, with intermittent granodiorite dykes. The hole started in andesite with minor siltstone and encountered quartz-pyrite-molybdenite veins and stringers with 3-5% pyrite, weak pyrrhotite, and weak to moderate chlorite and biotite alteration. Local moderate to strong silicification and weak magnetite and calcite alteration were noted but generally in random disorganized patterns. Visible MoS2 mineralization was encountered from 55.0m to 144.0m. Minor monzonite zones were also encountered in this interval.

From 144.0 to 228.0m only very weak MoS2 mineralization was encountered. From 228.0 to 407.0m MoS2 content improved with a few significant zones where coarse clotty MoS2 was noted in veins. Below 207.0m to the EOH granodiorite with very weak MoS2 and some fine grained disseminated pyrite was intersected with typically barren quartz veins.

The majority of the hole has a massive, non foliated structure but there are sections that exhibit narrow zones of faulting, gneissic banding and bedding. Throughout the hole are various types and sizes of veins that range from individual veins parallel to core axis to complex branching and anastomosing micro-stockworks that range in size from mm to occasionally 5cm or more.

Ch-06-05 returned significant molybdenum mineralization over 137.16 m in nine intervals from a downhole depth of 60.05 m to 380.09 m. Included in this section are three key intervals of note: a hanging wall zone of 30.5 m of 0.110% Mo, a middle zone of 36.6m of 0.126% Mo and a footwall zone of 18.3 m of 0.143% Mo. This hole represents an important indicator of strike extension of the mineralized zone to the southeast.

CH-06-06

CH-06-06 was drilled parallel to the strike of the mineralized zone to investigate an area where the mineralized zone may be offset by normal faulting or by dyke. An apparent fault offset is suspected between drill holes 81-6 to the NW and 81-2 and 82-2 to the SE. The above average grades encountered in this hole may be the result of the influence of

SW-NE trending mineralized faults but the values and widths returned cannot be considered representative of holes drilled normal to the zone trend.

CH-06-06 collared into hornfels siltstone and encountered short to lengthy intervals of intercalated hornfels siltstone and granodiorite, with no one interval greater than 33 meters in drill length. Quartz Feldspar Porphyry dykes were also observed throughout the drill hole but carried no mineralization of note.

A strongly faulted sequence of granodiorite and hornfels siltstone was cut between 160.00 - 173.95m. This fault has strongly impacted the lithology. The upper and lower fault contacts measured 90° TCA; with evidence of drag folding. Mineralization above and below this fault and within the fault itself is moderate with molybdenite observed regularly within veins, within healed and open fractures and within the groundmass of the reworked brecciated rock.

Below the fault the hole encountered barren fresh granodiorite before passing downhole to weak to moderately well mineralized hornfels siltstone. A second large fault structure was encountered between 400.36 - 403.02m. This fault, unlike the upper structure, was healed with a brecciated but competent groundmass with granodiorite clasts of varying sizes and shapes. The faults suggest block faulting between drill sections can offset lithology but also be well mineralized and a source of secondary enhancement.

Veining throughout this drill hole included foliation parallel quartz veins; large cm scale orthogonal TCA quartz veins; boudined veins both parallel to foliation and cross cutting foliation; and mm scale micro veinlets of quartz anastomosing throughout the core in a stockwork fashion of hairline fractures and seams. Each style of vein seemed to cross cut the other at some point throughout the hole.

Molybdenite in this drill hole was observed mainly within the hornfels siltstones but was also observed within veins within the more siliceous granodiorite. Molybdenite was observed as selvages to many of the noted cm scale veins, as infill to the hairline quartz veinlets, as infill within the microfractures and as disseminated flecks within the sugary textured quartz veins and more siliceous intercepts.

CH-06-06 returned a spectacular interval of 198.96 m of 0.132% Mo between 78.33 – 277.29 m. Included are three intervals of grades greater than 0.150% molybdenum over individual downhole intervals greater than 14 m. The predominant molybdenum – bearing vein orientation encountered downhole was sub-parallel to core axis which explains the relatively high molybdenum grades encountered in this hole.

CH-06-07

Drill Hole CHU 06-07 was collared an additional 325 meters to the southeast of hole CH-06-06 and was drilled to extend the known strike length of the mineralized zone. The hole encountered mottled, maroon andesite with blotchy chlorite alteration passing downhole to mixed units of andesite and granodiorite and quartz feldspar porphyry dykes.

Molybdenite was observed occasionally on margins of veining except locally where molybdenite mineralization increased in discrete zones that measured between 1 and 15 m wide. A strained, pale grey-pink siliceous andesite from 201.31-236.15m had molybdenite commonly rimming narrow veinlets; less often as disseminations. The andesite unit from 243.22-287.12m exhibited abundant pyrite, pyrrhotite and lesser molybdenite.

Below 287.12m hornfels siltstone tended to dominate and had a laminated look with alternating dark brown and pink brown foliation fabric. Molybdenite was observed mostly within the foliation fractures and the mm scale veining. Quartz feldspar porphyry dykes, granodiorite dykes and a narrow interval of andesite were noted to the end-of-hole at 431.90m.

CH-06-08

CH-06-08 was collared approximately 105 meters behind drill hole CH-06-03 and designed to provide an additional intersection on the same fence to further examine the NW extent of the mineralized zone. CH-06-03 was assumed to have been collared too far to the SW, thus, possibly missing the zone and testing the barren footwall beneath the sub-vertical stockwork.

CH-06-08 collared into black argillite between 3.05 - 13.75m and then stayed in dark brown hornfels siltstone until the end of the hole at 300.53m. The hole was shutdown earlier than expected due to excessive shallowing of the hole and a strong likelihood of repeating the same sequence intersected in drill hole CH-06-03.

The upper sequence of argillite exhibited flame structures and graded amygdules within the bedded rocks. The flame structures were observed in three different locations and each one indicated that topping direction was downhole. The mm scale, subrounded, white amygdules within the argillite were bedded (?) controlled and graded downhole in size within the individual beds. This repetition continued throughout the interval and suggested that topping direction was downhole and that at least in this area the andesite sequence is overturned.

The hornfels siltstone was fairly uniform throughout with biotite and silica alteration and localized patchy chlorite alteration. Structures in the hole were the typical weak to moderate strain foliation observed within the hornfels siltstones and narrow faulted sequences. A fault encountered between 260.28 - 270.69m had sharp upper and lower contacts and through its entirety was strongly chlorite altered to clay (argllic). Molybdenite was observed in fracture within this fault, although veining was weak.

Mineralization in the drill hole was dominated by pyrrhotite, both disseminated and as semi massive blebs within veining. Some chalcopyrite was observed within the veins; but pyrite was rare throughout the drill hole. Molybdenite tended to be weak in the rest of the hole and was directly associated with vein density where encountered.

CH-06-09

This hole was drilled 35m NE of hole 81-5 to test for continuity of the zone. The hole collared into a fine grained, weakly bedded black argillite. The core was moderately fractured throughout with a narrow fault intersected at 23.40m. The core became extremely broken and fractured within abundant carbonate material. A larger fault structure was encountered from 71.0-151.7m with fragile hornfels siltstone intercalated with argillite. Thick intervals of granodiorite were intersected from 216.0-243.0m and 243.-286.6m.

The mineralization in this hole was generally weak although noted to be gradually increasing with depth; with a spike of molybdenite near the end of the hole. Pyrite mineralization also increased down hole. The veins encountered were less extensive than the previous hole; with typically only narrow veins and stringers present.

Alteration was generally weak with strong local calcite alteration and common biotite alteration in the hornfels siltstone. Below 285.6m a fault zone was encountered and the hole was stopped in sand and gouge and judged to be unfit ground conditions to continue drilling.

CH-06-10

CH-06-10 was collared approximately 30 meters northeast of 06-05 and was designed to test the down-dip extension of the mineralized zone encountered in hole 06-05. The hole collared into andesite porphyry between 5.18 - 71.20m and encountered a narrow interval of hornfels siltstone before passing into massive andesite with lesser granodiorite and basalt down to a depth of 511.20m. Hornfels siltstone was then intersected but broken up by units of basalt dyke and granodiorite.

The hole in general tends to have a massive structure with few joints, is well indurated and appears fresh. There is evidence of faulting between 496.50m to 511.20m. Fractures as well as veins are seen throughout the core. Molybdenite mineralization is strongest in intervals where density of veins and fractures increases.

Alteration varies from patchy weak to locally intense silica and chlorite alteration with the strongest alteration observed near the top of the hole and all types of alteration seem to decrease down hole.

CH-06-11

This hole was drilled to test the up-dip interval of the mineralized zone on the same section as holes 06-05 and 06-10. As expected the lithology of this hole is very similar to the previous hole, with a large interval of andesite to a depth of 144.40m. The hole below 144.40m intersected mainly andesite broken up by units of granodiorite and basalt dyke. This interchanging of rock types ends at the contact with hornfels siltstone which continues to the end of the hole, apart from a granodiorite that occurs from 317.32m to

330.50m. The hole was stopped in a unit variably logged as quartz diorite porphyry or quartz feldspar porphyry which was not intersected in the previous hole.

The molybdenite mineralization appeared to be fairly consistent throughout the hole with a couple of peak areas where concentration of thin stringers, veinlets and veins increased. Pyrite and pyrrhotite mineralization was also noted throughout the hole.

Veins are described that range from highly contorted and boudined to planar. The contorted veins tended to be clustered together suggesting some kind of local ductile event. Alteration was similar to the previous hole with the exception of some zones of strong silica and chlorite alteration tending down hole.

CH-06-12

This hole was drilled to test for strike continuity between holes 80-1 and 06-11. The hole collared into and stayed in dark brown to reddish colored andesite to a depth of 222.73m. Several basalt and granodiorite dykes were noted. Below the andesite the hole encountered a long interval of granodiorite until 301.10m below which another andesite unit appeared until 345.17m. A quartz feldspar dyke was observed until a depth of 350.60, before passing down hole to hornfels siltstones. The hornfels siltstone is nearly continuous to the end of the hole but is interrupted by one unit of andesite located between 358.40m to 374.88m and one unit of granodiorite that the hole bottomed in (488.70m to EOH 501.70m).

Most of the molybdenite mineralization occurs in fairly discrete mineralized intervals and occurs as veins or veinlets or less commonly as disseminations. When present the MoS_2 tends to occur on the selvages of the vein wall. Veins can range in size from a few mm thick up to approximately 5cm in width. The veins can be single independent veins or clustered together in a dendritic or anastomosing assemblage. Pyrite mineralization also occurs throughout most of the hole, alternating between strongly mineralized intervals and weaker patches.

Alteration throughout the hole is dominated by biotite and calcite alteration and seems to be consistent throughout rather than patchy or decreasing with depth as has been seen in other holes.

CH-06-13

This hole was drilled along the strike of the mineralized zone to again test for presence of an assumed fault to explain apparent lithological differences encountered in holes 06-06 and 06-10. The collar was located 750 meters southeast of Ch-06-06 and was drilled across the sections defined by holes 06-05, 06-10, 06-11 and 06-12. The hole encountered at surface a gray granodiorite with a transitional zone to monzonite. The unit is characterized by a network of narrow quartz +/-MoS_2 veins and stringers. The hole progressed down hole into a large unit of andesite that has been intruded by two basalt dykes. This andesite continued until a depth of 182.16m before passing to a granodiorite until a depth of 200.80m. The hole then encountered a large, intercalated unit of andesite and hornfels siltstone. Each individual unit is generally in the order of 20m. Gradually the andesite intervals disappear and are replaced with granodiorite between the siltstone intervals. This pattern continues until the end of the hole.

In general, molybdenite is present throughout the hole but in discrete intervals and it tends to be more visible in intricate and dense patterns of fractures and veins. Pyrrhotite mineralization is common. The core is mainly competent but there are several narrow intervals of broken rubble indicative of localized faulting. Strong penetrative foliation structures are seen in the hornfels siltstone.

The alteration intensity and type is varied throughout the hole. The strongest alteration pattern observed is silica and biotite but these are limited to the upper portion of the hole.

4.2.5 Interpretation

The 2006 winter drill program has added a substantial amount of new information with which to characterize the Chu mineralized zone. Numerous high grade intercepts and long mineralized intervals have demonstrated the persistence of the zone and its potential grade and bulk tonnage. A total of 11230 meters of drilling has now defined a steeply dipping, inclined tabular mass that strikes northwest-southeast and dips steeply northeast. The current approximate size is 1200 meters in length with an apparent width of between 100 and 300 meters and apparent depth of at least 500 meters. The zone is open or untested on both strike extents, down the dip and in its width.

The molybdenum mineralization at Chu is in the form of a quartz vein stockwork with some similarity to Low F porphyry deposits. At least three distinct vein types have been noted in the drill core and more work is required to examine in detail the preferred vein orientation and density to achieve the highest grades possible. Although mainly hosted in the hornfels granodiorite, the 206 program demonstrated that the stockwork mineralization cuts across all rock types with the exception of post-mineralization dikes and sills. If the granodiorite pluton located to the south of the mineralized zone is barren than the source of the molybdenum may be a deeper, buried intrusive.

Two holes, 06-06 and 06-13 were drilled along the strike of the zone to assist with interpretation in an area where fault offset may disrupt the linearity of the zone. Both holes had significantly high grade intervals of molybdenum mineralization which do not represent the grade or width of the zone.

5.0 Conclusions

The winter 2006 drill exploration program completed thirteen diamond holes totaling 6,129m of core. The program was successful in intersecting significant intersections of molybdenum in most of the holes. The results have extended the known strike extent, depth and width of the previously outlined mineralized zone. The holes returned grades of molybdenum that meet or exceed the values intersected in historic drilling.

This program also helped determine if there was a preferred orientation of the vein network or if there was a specific mineralization event that contained or constrained the better molybdenum grades. It also confirmed the mineralized zone is mainly hosted in the brittle hornfels siltstone. Knowledge of the relationship between the type and amount of alteration and the amount and grade of the molybdenum was also expanded.

Molybdenite has been identified in a number of vein sets of varying orientation. The most conspicuous type is cm scale quartz veins with molybdenum at the selvage. Molybdenite is also noted as mm scale veins parallel to foliation and mm scale microfractures orthogonal to foliation. More work is required to understand the complex vein genesis and the relationship of molybdenum grade to orientation. Molybdenum grade appears to be intimately associated with density of veining and spatial occurrence of the three main vein types.

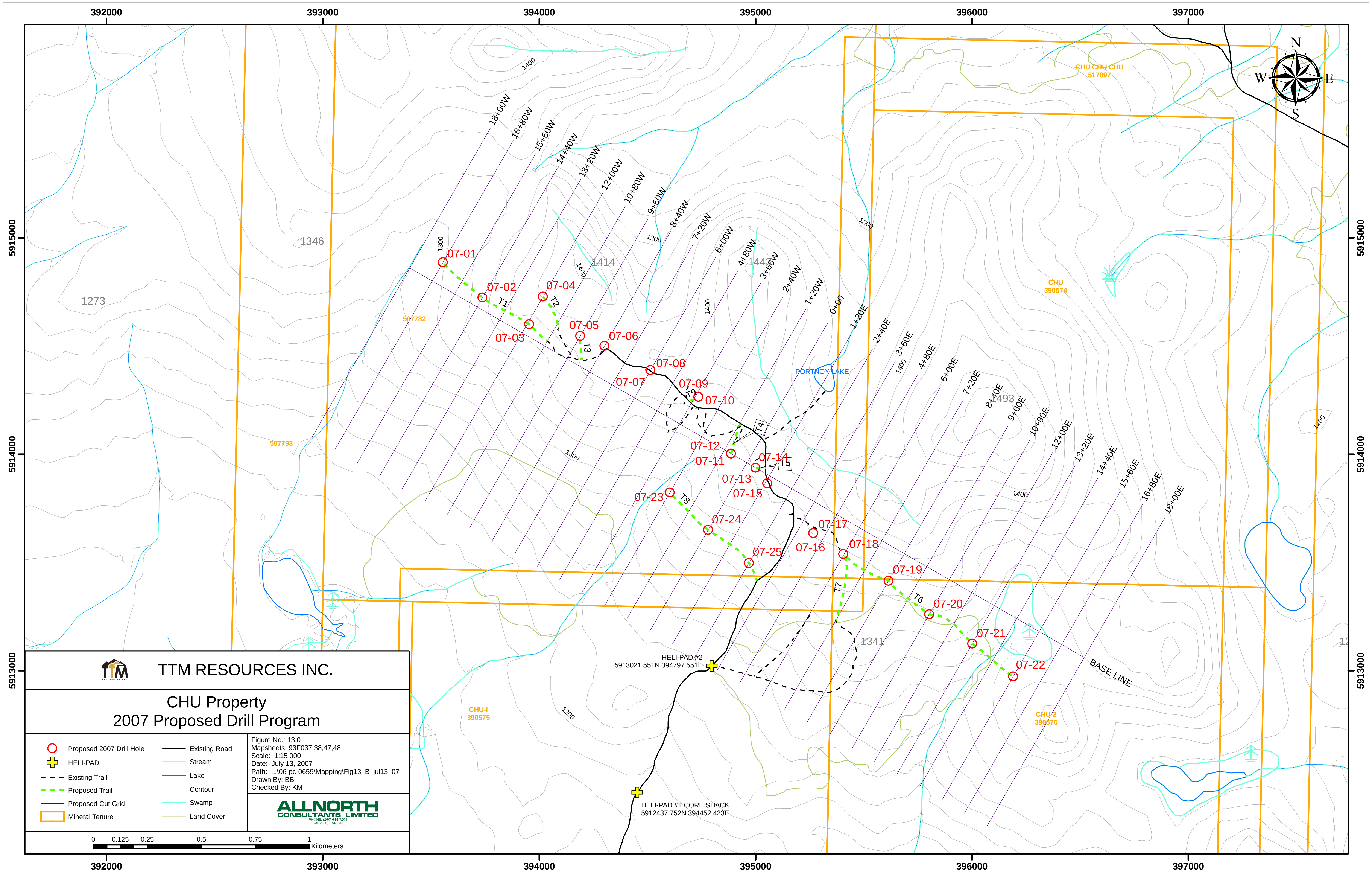
6.0 Recommendations

Based on the success of the 2006 work program, additional exploration is warranted to further expand the knowledge of the geometry and continuity of the mineralized zone. It is recommended that an additional 3500 meters of NQ diamond drilling be conducted within the boundaries of the known zone to infill sections where historic holes are widely spaced apart, or where deep intersections are required to complete a fence. Holes are also recommended to the NW and SE to seek the strike extent of the mineralized zone (Figure 13.0 and 14.0).

Several hole are required to probe beneath previously drill sections; to both confirm the continuity of the known zone throughout its strike length and identify higher grade intervals. Care must be exercised to prevent the holes from excessive flattening which would risk the hole duplicating a section previously drilled. Care must also be taken in the NW where structural faulting presents difficult ground conditions for core recovery. This area in particular is at this time poorly understood and would require additional drilling to determine if the zone extends further NW, is offset or is cut-off entirely.

Detailed oriented core analysis should be undertaken to further determine the preferred vein orientation that corresponds to the most favorable and higher grade molybdenum. Petrographic investigations should be undertaken to identify structural controls and determine the relative importance of the different vein types. An attempt to age date the molybdenum mineralization should be initiated to better understand the metallogenic relationship of the mineralization to the CH pluton and mineralized granodiorite; which may be derived from a different source.

A program of 3D Induced Polarization/Resistivity surveying should be conducted to guide drilling within the known Chu zone and to identify other targets.



TTM RESOURCES INC.
CHU Property
2007 Proposed Drill Program
Proposed 2007 Drill Hole
HELI-PAD
Existing Trail
Proposed Trail
Proposed Cut Grid
Mineral Tenure
Existing Road
Stream
Lake
Contour
Swamp
Land Cover
Figure No.: 13.0
Mapsheets: 93F037,38,47,48
Scale: 1:15 000
Date: July 13, 2007
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Checked By: KM
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393000
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395000
396000
397000
5915000
5914000
5913000
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CHU CHU CHU 517897
CHU 390574
CHU-I 390575
CHU-2 390576
507782
507793
PORTNOY LAKE
BASE LINE
HELI-PAD #2 5913021.551N 394797.551E
HELI-PAD #1 CORE SHACK 5912437.752N 394452.423E
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6+00W
4+80W
3+60W
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1+20W
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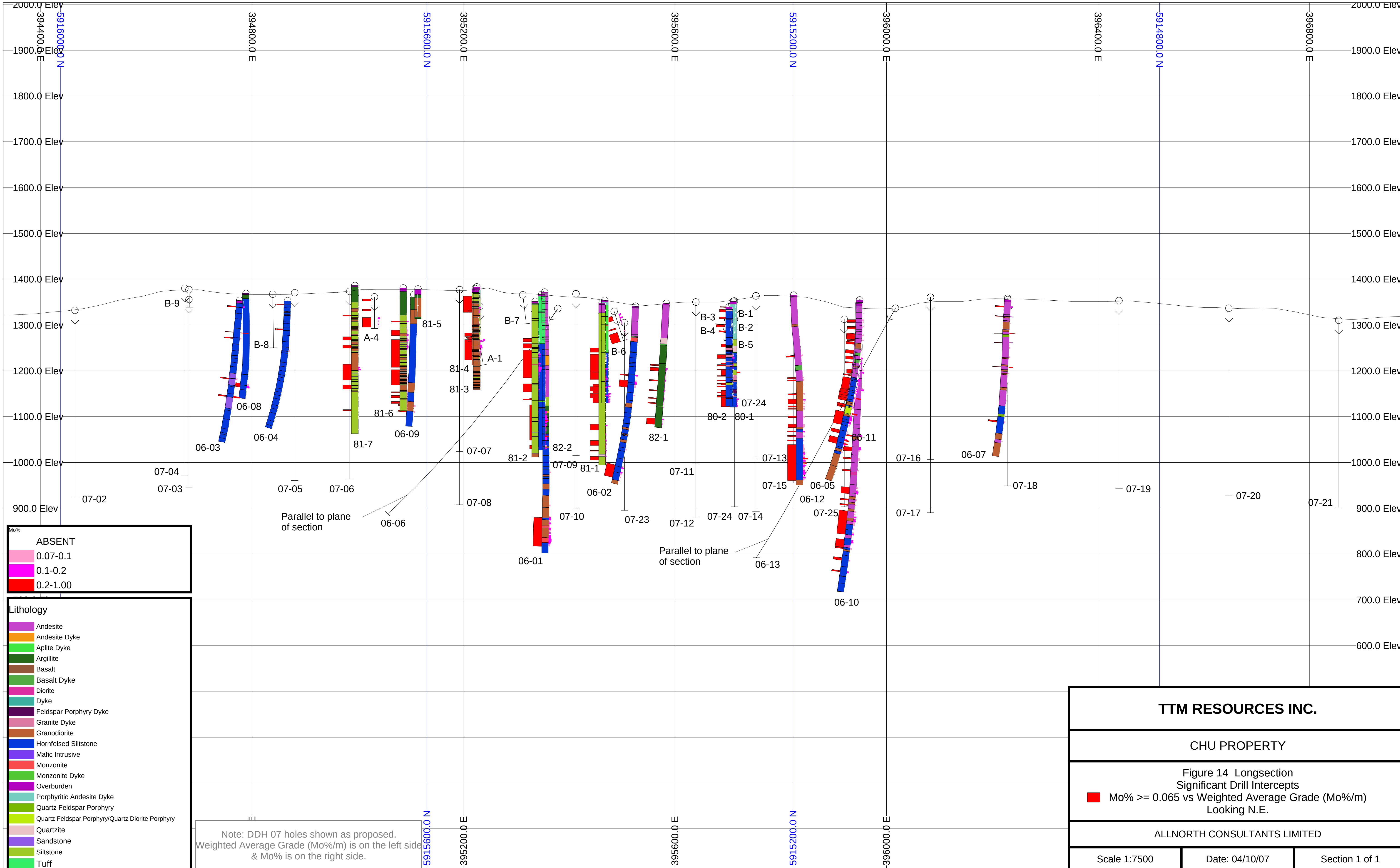
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5915600.0 N
395200.0 E
395600.0 E
5915200.0 N
396000.0 E
396400.0 E
5914800.0 N
396800.0 E
B-9
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B-2
B-5
80-2
80-1
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07-13
07-15
06-05
06-12
07-25
06-11
06-10
06-13
07-16
07-17
06-07
07-18
07-19
07-20
07-21
Parallel to plane of section
06-06
Parallel to plane of section
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: DDH 07 holes shown as proposed.
Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side.
TTM RESOURCES INC.
CHU PROPERTY
Figure 14 Longsection
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.E.
ALLNORTH CONSULTANTS LIMITED
Scale 1:7500
Date: 04/10/07
Section 1 of 1

Upon completion of a sufficient quantity of drilling a mineral resource calculation should be completed and a Technical Instrument 43-101 compliant resource estimate made. Mineral processing and metallurgical studies could commence with drill core composites; and a preliminary feasibility study should be undertaken to determine if the calculated resource can support a viable mining operation.

It is recommended that TTM Resources continue the exploration of this property until the property's full potential has been revealed.

Respectively Submitted,

Allnorth Consultants Limited

Ken MacDonald, P.Geo

7.0 Proposed 2007 Exploration Budget

Line Cutting and IP Ground Geophysics

Proposed Budget	Person-days	Units	Unit Cost	Cost	Sub-Total
Pre-Field					
Personnel					
Project Supervisor	1		$1,000.00	$ 1,000.00	
Project Geophysicist	3		$ 750.00	$ 2,250.00	
Administration	1		$ 500.00	$ 500.00	$ 3,750.00
Field Program					
Personnel					
Project Supervisor	5		$1,000.00	$ 5,000.00	
Project Geophysicist	50		$ 850.00	$ 42,500.00	
Geophysical Operator	50		$ 650.00	$ 32,500.00	
Field Assistants	200		$ 350.00	$ 70,000.00	$150,000.00
Camp Support					
Mob/Demob	24		$ 250.00	$ 6,000.00	
Food & Accommodation	305		$ 140.00	$ 42,700.00	$ 48,700.00
Line Cutting					
Lead Saw	50		$ 400.00	$ 20,000.00	
2nd Saw	50		$ 350.00	$ 17,500.00	
Helper #1	50		$ 175.00	$ 8,750.00	
Helper#2	50		$ 175.00	$ 8,750.00	
Truck	50		$ 115.00	$ 5,750.00	
Power Saws	50		$ 215.00	$ 10,750.00	
Management/Overhead	50		$ 350.00	$ 17,500.00	$ 89,000.00
Camp Support					
Mob/Demob	16		$ 250.00	$ 4,000.00	
Food & Accommodations	200		$ 140.00	$ 28,000.00	$ 32,000.00
Post-Field					
Personnel					
Project Supervisor	5		$1,000.00	$ 5,000.00	
Project Geophysicist	25		$ 750.00	$ 18,750.00	
Drafting	15		$ 500.00	$ 7,500.00	
Office	1		$ 500.00	$ 500.00	$ 31,750.00
Sub-Total					$355,200.00
Management					$ 35,520.00
Contingency (10%)					$ 39,072.00
Total Proposed Budget					$429,792.00

2007 Phase One Drill Program

Proposed Budget	Person-days	Units	Unit Cost	Cost	Sub-Total	Sub-Total	Total
Pre-Field							
Personnel							
Project Supervisor	2		$ 750.00	$ 1,500.00			
Project Geologist	6		$ 600.00	$ 3,600.00			
Geologist	4		$ 500.00	$ 2,000.00			
Administration	2		$ 300.00	$ 600.00		$ 7,700.00	
Field Program							
Personnel							
Project Supervisor	6		$ 750.00	$ 4,500.00			
Project Geologist	55		$ 600.00	$ 33,000.00			
Geologist	45		$ 500.00	$ 22,500.00			
Field Assistant	45		$ 300.00	$ 13,500.00	$ 73,500.00		
Camp Support							
Core Shack Overhead		3	$1,600.00	$ 4,800.00			
Food & Accommodation	500		$ 85.00	$ 42,500.00	$ 47,300.00		
Equipment Rental							
Splitter Plus Blades	45		$ 25.00	$ 1,125.00			
Satellite Internet	45		$ 75.00	$ 3,375.00			
Radios	45		$ 60.00	$ 2,700.00			
Downhole Survey	45		$ 150.00	$ 6,750.00			
Generator	45		$ 50.00	$ 2,250.00			
ATV	45		$ 150.00	$ 6,750.00			
Laptops	45		$ 70.00	$ 3,150.00	$ 26,100.00		
Costs							
Expediting	45		$ 25.00	$ 1,125.00			
Travel		3	$1,000.00	$ 3,000.00			
Fuel	45	1000		$ 45,000.00			
QA/QC		3	$1,500.00	$ 4,500.00			
Sample Supplies	45		$ 50.00	$ 2,250.00	$ 55,875.00		
Geochemistry							
Rock Samples		1150	$ 30.00	$ 34,426.23	$ 34,426.23		
Drilling							
HQ Drilling		3500	$ 125.16	$438,060.00			
Reclamation	5		$1,200.00	$ 6,000.00	$444,060.00		
Transportation							
Truck	45		$ 85.00	$ 3,825.00			
Road Preparation	10		$1,000.00	$ 10,000.00			
Sample Shipment		45000	$ 0.13	$ 5,850.00	$ 19,675.00	$ 700,936.23	
Post-Field							
Personnel							
Project Supervision	6		$ 750.00	$ 4,500.00			
Project Geologist	25		$ 600.00	$ 15,000.00			
Geologist	15		$ 500.00	$ 7,500.00			
Drafting	10		$ 500.00	$ 5,000.00			
Office	2		$ 500.00	$ 1,000.00		$ 33,000.00	

Sub-Total	$700,936.23	$ 741,636.23
10% Contingency		
Total Proposed Budget		$ 815,799.85

Total Exploration Budget	
Line Cutting & IP	$429,792.00
Drilling	$815,799.85
Total	$1,245,591.85

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CHU Molybdenum Property
2006-2007 Winter Drill program

APPENDICES

APPENDIX I

Statement of Expenditures

Statement of Expenditures
Chu 2006/2007 Drill Program

Category	Unit/Item	# of Days	Rate/Day	Dates	Cost
Pre-Field	Review, Permitting, Drill & Day Camp Procurement	6.50	$ 1,030.00	Nov. 15 - Nov. 30 2006	$ 6,695.00
	Project Geologist	1.75	$ 750.00	Nov. 15 - Nov. 30 2006	$ 1,312.50
	Mapper	4.50	$ 580.00	Nov. 15 - Nov. 30 2006	$ 2,610.00
Field Personnel	Project Geologist	116.00	$ 750.00	Dec. 15/06 - April 9/07	$ 87,000.00
	Geologist	116.00	$ 500.00	Dec. 15/06 - April 9/07	$ 58,000.00
	Field Assistant	121.00	$ 300.00	Dec. 15/06 - April 9/07	$ 36,300.00
	Technologist (Drafting)	6.50	$ 580.00	Jan. 15 - May 21 2007	$ 3,770.00
	Mapper	11.00	$ 530.00	Nov. 16/06 - May 5/07	$ 5,830.00
	RTK Surveyor	2.00	$ 980.00	April 10 - 11 2007	$ 1,960.00
	Hand Faller	16.00	$ 400.00	Feb 1 - Feb 16 2007	$ 6,400.00
Support	Day Camp Construction (core and splitting shack)	5.50	$ 4,840.00	Dec. 11 - Dec. 16 2006	$ 26,620.00
	Food and Accommodation (Canfor Logging Camp)	582.50	$ 110.00	Nov. 15 - Nov. 30 2006	$ 64,075.00
	Geology Crew Mob/demob	8.00	$ 1,220.00	Dec. 14/06 - April 10/07	$ 9,760.00
Post-field	Project Geologist	5.25	$ 750.00	April 16 - July 10 2007	$ 3,937.50
Report Preparation	Geologist	23.75	$ 500.00	April 16 - July 10 2007	$ 11,875.00
	Technologist (Drafting)	7.00	$ 580.00	April 16 - May 21 2007	$ 4,060.00
	Mapper	6.25	$ 580.00	April 16 - July 10 2007	$ 3,625.00
	Administration	3.50	$ 420.00	May 14 - July 10 2007	$ 1,470.00
Mobilization	Falcon Drilling	4.00	$ 3,245.00	Dec. 11 - Dec. 14 2006	$ 12,980.00
Remobilization (XMAS)	Falcon Crew	2.00	$ 2,275.00	Dec. 22/06 - Jan. 3/07	$ 4,550.00
Demobilization	Falcon Drilling	2.00	$ 3,142.00	April 10 - April 14 2007	$ 6,284.00
Drilling	Falcon Drilling	116.00	$ 6,794.00	Dec. 15/06 - April 9/07	$ 788,104.00
Reclamation	Excavator/Operator (Pitka Logging)	4.00	$ 2,162.00	April 16 - April 30 2007	$ 8,648.00
Miscellaneous	Fuel & Propane (Co-op Vanderhoof)	120.00	$ 467.00	Dec. 15/06 - April 13/07	$ 56,040.00
	Truck Rental (Bowmac)	120.00	$ 54.00	Dec. 15/06 - April 13/07	$ 6,480.00
	Snow Plowing (Pitka Logging)	1.40	$ 1,000.00	December 14 2006	$ 1,400.00
Equipment/Shop Rental	Satellite Internet	120.00	$ 23.00	Dec. 15/06 - April 13/07	$ 2,760.00
	Radios	2.50	$ 61.60	Dec. 15/06 - April 13/07	$ 154.00
	Generator Rental (CJL Enterprises)	120.00	$ 34.25	Dec. 15/06 - April 13/07	$ 4,110.00
	Hydraulic Splitters (2) ADR Heavy Duty Truck Parts)	120.00	$ 20.00	Dec. 15/06 - April 13/07	$ 2,400.00
	Computers	120.00	$ 25.00	Dec. 15/06 - April	$ 3,000.00

				13/07	
Equipment & Supplies	ATV Rental	3.50	$ 150.00	April 10 - April 14 2007	$ 525.00
	Splitting, Sampling & Logging Supplies	120.00	$ 86.00	Dec. 15/06 - April 13/07	$ 10,320.00
Instrument Rental	Downhole Survey	116.00	$ 83.00	Dec. 15/06 - April 9/07	$ 9,628.00
Laboratory Analysis	Standards QA/QC	116.00	$ 4.50	Dec. 15/06 - April 9/07	$ 522.00
	Core Samples	116.00	$ 667.00	Dec. 15/06 - April 9/07	$ 77,372.00
Sample Shipment	Bandstra Trucking	116.00	$ 96.70	Dec. 15/06 - April 9/07	$ 11,217.20
Project Management	Field & Post Field	26.75	$ 1,030.00	Dec. 15/06 - July 10/07	$ 27,552.50
	Total				$ 1,369,346.70

APPENDIX II

Statement of Qualifications

Statement of Qualifications
Chu 2006/2007 Drill Program

I, Ken MacDonald, P. Geo., residing in Prince George, British Columbia, do hereby certify that:

1. I am currently employed as a consulting geologist by:

   Allnorth Consultants Limited
   2011 PG Pulpmill Road
   Prince George, British Columbia, Canada
   V2L 4V1

2. I am a graduate of the University of Alberta (1987) with a Bachelor of Science degree with Specialization in Geology.

3. I am a member in good standing of the Professional Engineers and Geoscientists of British Columbia.

4. I have practiced my profession continuously since graduation and have worked as a geologist for more than 19 years

5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI-101") and certify that by reason of my education, affiliation with a professional organization (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of authoring an assessment report.

6. I am the principal author of the assessment report entitled "Geological and Geochemical Report on the CHU Molybdenum Property", dated September 24, 2007

7. I visited the CHU property several times during the drill program and personally inspected drill core and oversaw sample preparation and quality control measures

8. I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of TTM Resources Inc., in respect of services rendered in the preparation of this report.

Dated at Prince George, British Columbia this 24th day of September, 2007.

"ken macdonald"

____

Ken MacDonald, P.Geo.

APPENDIX III

SUMMARY OF FIELD PERSONNEL

Summary of Field Personnel

Name	Position	Man Hours
Nick Vassenine	Project Geologist	1050
Richard Beck	Geologist	110
Lorie Farrell	Geologist	100
Mustafa Gok	Geotechnician	890
Lillia Vassenine	Geotechnician	170
Lynn Yurkas	Core Splitter	480
Ken Brown	Core Splitter	600
Rob Goodine	Core Splitter	40
Perry Royston	Core Splitter	40
Ken MacDonald	Project Supervisor	90

APPENDIX IV

DRILL LOGS

From: 0.00 **To:** 2.45 **Litho:** OB

Casing/Overburden

STRUCTURES

From	To	Struct	CA	Strain
0.00	2.45	FLT		W
	Broken core			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
0.00	2.45	-	-	-	-	VW	-	-	-	-	-	-	VW	-

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
0.00	2.45	0.1					

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
0.00	2.45	0.1	FG				
weak PY							

From: 2.45 **To:** 8.32 **Litho:** AND

Dark andesite, biotite with grey-green coarse grained feldspar phenocrysts, purple colored zones present. Weak DI PY (1%). Network of CA VNs with epidote strs. Rubble from 2.45-3.14; @ 4.18m is 18mm Qz-PY VN, 80 tca; ~15% PY on joints.

STRUCTURES

From	To	Struct	CA	Strain
2.45	3.14	FR		W
	fragments, <10 cm			
3.14	8.31	MASS		M
	2% fragments			
8.31	8.32	FR		W

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
2.45	8.32	-	-	-	W	-	W	-	-	W	M	M	M	
Mottled purple														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
2.45	8.32	5	2		3	2	
	irregular micro-stockwork, CA & Qz-CA						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
2.45	8.32	1	DISS	PY	1		
weak DI PY & PY on joints (up to 15%)							

From: 2.45 **To:** 8.32 **Litho:** AND

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION															
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 8.32 **To:** 10.24 **Litho:** AND

Dark andeside dyke, weak biotite. @9.3 is 7mm CA VN, 8 tca

STRUCTURES				
From	To	Struct	CA	Strain
8.32	10.24	MASS		S
		dyke		

ALTERATION															
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
8.32	10.24	-	-	-	W	-	-	-	W	W	W			
biotite altn														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
8.32	10.24	0.3	0.5		2	1	8
	9.3-9.51 is 7mm CA VN, 8 tca						

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
8.32	10.24	0.1	DISS				

From: 10.24 **To:** 13.54 **Litho:** AND

Andesite mottled by green chloritic strs, feldspar phenocrysts, CA & Qz strs & VNs, DY PY (~5%). @10.68-13.03 zone with abundant distorted CA VNs & strs. @13.03-13.1 two parallel 13mm & 17mm Qz-CA-pyrrhotite VNs, 75 tca. @13.36-13.54 three 7-11mm Qz-CA-PY VNs, 50-70 tca.

STRUCTURES				
From	To	Struct	CA	Strain
10.24	13.54	BDG		S
	sharp upper contact			

ALTERATION															
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
10.24	13.54	-	-	M	W	-	-	-	W	W			M	

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
10.24	13.54	3	2		2	5	70
	zone with abundant CA-Qz VNs & strs						

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
10.24	13.54	5	DISS	PY	5		

From: 13.54 **To:** 20.78 **Litho:** AND

Dark andesite with biotite & fine grained tuff, reddish porphyry andesite with diffuse monzonite zones & moderate epidote alteration. Feldspar phenocrysts, network of Qz & CA strs, weak MG. PY~1%. @14.21 is 22mm Ca-Qz-Epid VN, 65 tca. @14.36 is 13mm Qz-PY-MG VN, 65 tca. @15.12m trace of native copper on fracture. @20.73m is 20mm Qz-PY VN, 70 tca.

STRUCTURES				
From	To	Struct	CA	Strain
13.54	20.78	MASS		S
	1% of joints			

ALTERATION															
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
13.54	20.78	-	-	-	W	-	-	-	W	W	M	M	W	

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
13.54	20.78	4	2	2		1	65
	network of Qz-CA strs						

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
13.54	20.78	1	FG	PY	1		
weak PY							

From: 13.54 **To:** 20.78 **Litho:** AND

Dark andesite with biotite & fine grained tuff, reddish porphyry andesite with diffuse monzonite zones & moderate epidote alteration. Feldspar phenocrysts, network of Qz & CA strs, weak MG. PY~1%. @14.21 is 22mm Ca-Qz-Epid VN, 65 tca. @14.36 is 13mm Qz-PY-MG VN, 65 tca. @15.12m trace of native copper on fracture. @20.73m is 20mm Qz-PY VN, 70 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 20.78 **To:** 22.21 **Litho:** AND

Andesite with feldspar phenocrysts & oxidized zones, CA-Chl alteration, DI PY~1%. @21.36-21.65m is 30cm brecciated AB-CA-Chl VN, 15 tca. @21.82-21.91m is 22mm ptygmatic CA-PY-MG VN, 30 tca with dendritic CA strs radiating from main VN. @22.13-22.21m is 7mm Qz-PY-Chl VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
20.78	22.21	MAS S		M

1-2 joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
20.78	22.21	-	-	M	W	-	-	-	-	M	M		W	

Chlorite alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
20.78	22.21	2	1	2		2	30

AB, CA, PY, MG & Chlorite present in VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
20.78	22.21	1	FG	PY	1		

DI PY present

From: 22.21 **To:** 25.88 **Litho:** AND

Greenish feldspar phenocrysts, porphyry, weak chlorite; PY ~3% on fractures, reticulated network of Qz-CA VNs & strs. @23.37-23.51m ptygmatic Qz zone with DI PY & 17mm solid Qz-Chl-PY VN, 45 tca. @ 23.87m is 18mm Qz-CU-PY VN, 60 tca. @ 24.62-25.22 zone with abundant 5-7mm Qz & CA VNs & strs. @25.84m is 7mm Qz VN, 70 tca

STRUCTURES

From	To	Struct	CA	Strain
22.21	25.88	MAS S		S

1% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
22.21	25.88	-	-	W	W	-	-	-	-	M	W	M	W	

Chlorite alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
22.21	25.88	2	1	2		1	60

reticulated network Qz-CA VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
22.21	25.88	1	DISS	PY	0.5	PO	0.5

Fine grained DI PY. @23.87 visible tiny native copper in VN

From: 25.88 **To:** 39.25 **Litho:** AND

Dark andesite porphyry, network of CA & Qz VN & strs. From 26.1 to 27.6m core oxidized on fractures. Fine grained DI PY & PY specks (~2%) with weak MG ~1-2%. Below 27.6 biotite & MG ~4-5%. @35.29m is 26mm complex stockwork of CA-PY VNs, 85 tca. @39.22m is 12mm Qz VN, 75 tca.

STRUCTURES

From	To	Struct	CA	Strain
25.88	39.25	MASS		M

1-2% of joints

ALTERATION

From	To		INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
25.88	39.25	-	-	-	W	-	-	-	-	-		M	W		

biotite altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
25.88	39.25	3	1	1	1	1	80

Narrow <7mm Qz-CA VNs & strs mottled the core

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
25.88	39.25	2	DISS	PY	2		

MG ~4-5% in this interval

From: 39.25 **To:** 40.56 **Litho:** AND

Black andesite with orthoclase feldspars, biotite, CA-Chl VNs & strs mottled the core. Localized MG ~2%, fine grained DI PY ~1-2%

STRUCTURES

From	To	Struct	CA	Strain
39.25	40.56	MASS		S

1% of joints

ALTERATION

From	To		INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
39.25	40.56	-	-	W	W	-	-	-	-	-	M		W		

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
39.25	40.56	2			2	2	80

CA VNs abundant

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
39.25	40.56	2	FG	PY	2		

Fine grained DI PY 1-2%

From: 40.56 **To:** 47.06 **Litho:** AND

Andesite with Chl altn, structure controlled CA & QZ strs +/- PY; small hornfelsed siltstone remnants (?) as zones, DI PY & PY strs, ~2-4% MG along the core. @42.34-42.44m contorted 20mm CA VN, 85 tca. @44.26m contorted 5mm Qz-PY-CA VN. @45.66-45.98m is 20m dispersed CA VN, no orient. @45.98m is 9mm Qz-PY-CA VN, 60 tca. @46.35-46.48m breccia zone. @46.48-47.06m silica zone with DI PY (3-5%) & three 10-18mm AB-CA-Qz VNs.

STRUCTURES

From	To	Struct	CA	Strain
40.56	47.06	MASS		S

46.36-46.48 breccia

ALTERATION

From	To		INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
40.56	47.06	-	-	-	W	-	-	-	-	-	M	M	W		

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
40.56	47.06	3	2	2	2	1	60

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
40.56	47.06	2	DISS	PY	2		

MG 2-4%

From: 47.06 **To:** 47.58 **Litho:** ADY

Andesite dyke with fine grained DI PY ~1-2%

STRUCTURES

From	To	Struct	CA	Strain
47.06	47.58	MAS S		S
		dyke		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
47.06	47.58	-	-	-	W	W	-	-	M	-			W	
dyke														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
47.06	47.58	0.1					
	Dyke						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
47.06	47.58	2	DISS	PY	2		

From: 47.58 **To:** 54.49 **Litho:** AND

Reddish andesite, dominated by narrow 5-6mm CA & Qz VNs with chloritization. @48.91m is 13mm Qz-PO VN, 45 tca. @50.05m is solid 69mm Qz-PO VN, 70 tca. Below 51.21m weak MG. @54.28-54.49m dispersed CA-Chl-CA VN, no orient.

STRUCTURES

From	To	Struct	CA	Strain
47.58	54.49	MAS S		S
		1% joints		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
47.58	54.49	-	-	M	W	-	M	-	M	-			W	
Chloritization prominent on CA VNs														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 54.49 **To:** 57.00 **Litho:** AND

Black andesite. Abundant CA VNs with choritization, minor chalcocite (?) alteration. @56.92m is 9mm Qz-PY VN, 55 tca

STRUCTURES

From	To	Struct	CA	Strain
54.49	57.00	MAS S		S
		1% of joints		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
54.49	57.00	-	-	M	W	-	M	-	M	-		W	VW	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
54.49	57.00	4	2	1	2	2	55
	prominant CA VNs & strs						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 57.00 **To:** 64.05 **Litho:** AND

Andesite with moderate feldspar phenocrysts. @57.0-59.6m abundant AB-CA-Chl+/-sphalerite or chalcocite (?) VNs & clasts. DI PY ~2%, weak MG. @62.87m is 12mm PO VN, 40 tca

STRUCTURES

From	To	Struct	CA	Strain
57.00	64.05	MAS S		S
1% of joints				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
57.00	64.05	-	-	M	W	-	M	-	M	-	M	M	W	
AB, Chl & carbonate altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
57.00	59.60	3	1		2	2	40
zone with abundant AB-CA/Chl-carbonate VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
57.00	64.05	2	FG	PY	2		
weak MG							

From: 64.05 **To:** 68.25 **Litho:** AND

Andesite porphyry with coarse grained orthoclase feldspars, chalcocite/sphalerite (?) specks, weak pyrrhotite (~1%), narrow CA VNs, Qz in small amount. @67.03-67.53m dispersed CA-Chl VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
64.05	68.25	MAS S		S
strong core				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
64.05	68.25	-	-	W	W	-	-	-	M	-		M	W	
Carbonate specks present														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
64.05	68.25	1	0.5	2	1	0.5	40
dominated by CA VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
64.05	68.25	0.5	FG	PY	0.5	PO	0.5
Weak PY							

From: 68.25 **To:** 75.59 **Litho:** AND

Andesite with biotite. Narrow CA VNs & fine grained DI PY (<1%), weak MG. Below 74.35m dominated by AB VNs & strs, +/-PY. @74.16-74.28m two parallel AB-PY VNs 11 &14mm, 65 tca. @75.35m is 82mm AB-Chl VN, 65 tca.

STRUCTURES

From	To	Struct	CA	Strain
68.25	75.59	MAS S		M
1% joints				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
68.25	75.59	-	-	M	W	-	-	-	M	-	M		W	
weak MG														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
68.25	75.59	2		2	1	1	65
AB present							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
68.25	75.59	0.5	FG	PY	0.5		
fine grained DI PY <1%							

From: 68.25 **To:** 75.59 **Litho:** AND

Andesite with biotite. Narrow CA VNs & fine grained DI PY (<1%), weak MG. Below 74.35m dominated by AB VNs & strs, +/-PY. @74.16-74.28m two parallel AB-PY VNs 11 &14mm, 65 tca. @75.35m is 82mm AB-Chl VN, 65 tca.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 75.59 **To:** 84.32 **Litho:** AND

Andesite with 2x3mm feldspar phenocrysts, CA & Qz VNs & strs. @81.88m is 22mm Qz-CA-Chl VNs, 75 tca

STRUCTURES				
From	To	Struct	CA	Strain
75.59	84.32	MASS		S

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
75.59	84.32	-	-	M	W	-	W	-	-	-	W	M	VW	

Albite present (1-2%)

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
75.59	84.32	3	2	2		1	75

AB VNs + strs present

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
75.59	84.32	0.1	FG	PY	0.1		

Very weak PY

From: 84.32 **To:** 92.88 **Litho:** AND

Andesite with feldspar phenocrysts, weak PY (0.5%), dominated Qz & CA VNs (CA~3%, Qz ~5%), silica alteration. @ 90.6-90.72m silica. @90.96-91,3 silica. @92.34-92.61m is 8mm 10 tca CA VN with 3x4mm crystals. @93.61m is 14m Qz-PY VN, 65 tca. @93.81m is 12mm Qz VN, 70 tca. @94.85-94.96m silica zone @92.72-92.88m silica with small amount PY.

STRUCTURES				
From	To	Struct	CA	Strain
84.32	92.88	MASS		S

strong/solid core

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
84.32	92.88	-	-	M	M	-	-	-	-	-	W	M	VW	

silica altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
84.32	92.88	4	5	2	3	2	70

CA Qz stockwork

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
84.32	92.88	0.5	VLT	PY	0.5		

From: 92.88 **To:** 101.18 **Litho:** AND

Dark black andesite, biotite, widely distributed CA & Qz VN & strs, plagioclase feldspars & silica, thin (1-4mm) PY & pyrrhotite strs. @ 97.18m is 33mm Qz VN, 65 tca. @97.56-97.7m two Qz-CA VNs, 80 tca. @98.78m solid 18mm Qz-PY VN, 45 tca. @99.32-99.49m silica with ptygmatic 7mm pyrrhotite VN, 65 tca. @100.71m is 18mm CA-Qz VN, 45 tca. @100.77-100.94m silica zone with 2-3% DI PY.@100.94m is 24mm CA-Qz VN, 90 tca. @101.08m is 21mm Qz VN, 45 tca. @101.15m is 26mm Qz VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
92.88	101.18	MASS		S

very hard rock

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
92.88	101.18	-	-	-	S	-	M	-	M	-	M		VW	

very hard core

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
92.88	101.18	5	3	2		2	60

abundant Qz & CA Vns & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
92.88	101.18	0.5	VLT	PY	0.5		

Sulphides 0.5%

From: 101.18 **To:** 102.42 **Litho:** AND

Dark grey & reddish andeside to basalt, CA & Qz VNs, weak PY, widely distributed silica altn. @101.38-101.77m breccia zone with two parallel 10mm & 16mm Qz-CA VNs, 35 tca. @101.77m is 53mm Qz-CA VN, 45 tca. @102.23-102.42m silica zone with 1%PY.

STRUCTURES

From	To	Struct	CA	Strain
101.18	102.42	MASS		VS

@101.38-101.77 breccia (basalt)

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
101.18	102.42	-	-	-	S	-	M	-	-	-	W	M	W	

Silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
101.18	102.42	2	2	1		2	35

Qz-CA VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
101.18	102.42	0.5	DISS	PY	0.5		

very hard rock with weak DI PY

From: 102.42 **To:** 106.70 **Litho:** AND

Black & reddish black andesite mottled by CA strs, silica zone 30-40mm present, tuff zones, PY <1% . @104.3m is dendritic or anastomosing 34mm Qz-CA VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
102.42	106.70	MASS		S

1% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
102.42	106.70	-	-	-	S	-	W	-	-	-	M	M	VW	

Silica zones present

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
102.42	106.70	3	2	2	1	1	

CA VNs & strs in different orient.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
102.42	106.70	0.5	DISS	PY	0.5	PO	0.3

Weak DI PY & pyrrhotite

From: 106.70 **To:** 112.65 **Litho:** AND

Dark black porphyritic andesite to basalt mottled by 10% CA VNs & strs in different orientation. Very weak sulphide (<1%). @106.7m is 8mm Qz-PO VN, 60 tca. @117.73-117.94m silica with 8mm PY-MG VN, 55 tca. @112.35-112.65m silica alteration with thin PY VN on edges.

STRUCTURES

From	To	Struct	CA	Strain
106.70	112.65	MASS		S
1% joints, silicification & basalt				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
106.70	112.65	-	-	-	S	-	-	-	S	-	S	M	W	
biotite alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
106.70	112.65	7	2		5	3	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
106.70	112.65	1	DISS	PY	1		
<1% PY							

From: 112.65 **To:** 129.90 **Litho:** AND

Porphyrytic andesite to granite with AB & Qz VNs & strs, white AB phenocrysts; Qz ~3-4%, CA~2-3%, PY ~3-4% in this interval. @115.03m is 75mm AB VN, 50 tca. @115.46-115.65m silica altn with PY (~2%). @115.65m anastomosing 16mm PY VN, 90 tca. @117.46m is 22mm Qz-PY VN, 60 tca. @119.44m is 14mm Qz-PO VN, 75 tca. @121.4-1121.6m silica altn with PY (2-3%). @121.5m solid 34mm Qz VN, 65 tca. @123.18m solid 60mm Qz-MG-PY VN, 60 tca. Below 123.33m silica alteration with PY (~5%). @123.82m is 15mm Qz-CA VN, 40 tca. @123.93m ptygmatic 12mm PY-Qz VN, 40 tca. @125.11-125.4m silica zone with ~7-10% DI PY & 20mm Qz-PY VN, 50 tca. @126.3m is 24mm Qz-PY VN, 70 tca. @126.5m is 20mm Qz-PY VN, 85 tca. @126.82m solid 89mm Qz VN, 70 tca with ~3% PY. @127.78-128.03m silica zone with 17mm Qz VN, 75 tca & PY specks (3-4%). Below 128.03m reddish porphyry andesite with silica alteration & 1-2mm PY strs (3-5% PY). @129.05m is 11mm Qz VN, 80 tca. @129.24m is 24mm dispersed Qz-PY VN, 35 tca.

STRUCTURES

From	To	Struct	CA	Strain
112.65	129.65	MASS		VS
very hard core				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
112.65	129.90	-	-	-	S	-	-	-	M	-		M	M	
silica & albite present														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
112.65	129.30	3	1	2	2	1	
AB & Qz-PY VNs present							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
112.65	129.90	4	VLT	PY	4		

From: 129.90 **To:** 131.15 **Litho:** MZON

Monzonite porphyry with thin PY strs, silica & feldspar, MG altered. @131.02m is solid 38mm Qz-PY VN, 90 tca. Below 132.13m monzonite with CA altn., PY~2%

STRUCTURES

From	To	Struct	CA	Strain
129.90	131.15	MASS		S

1% of joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
129.90	131.15	-	-	-	M	-	W	-	W	-		M	W	

monzonite, weak MG alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
129.90	131.15	2	4	5		2	70

3 sets: 1st order thin qtz @ 30 tca; 2nd orthognal @35 tca; thin PY strs @ 55 tca

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
129.90	131.15	2	VLT	PY	2		

Py strs along dominant veinlets

From: 131.15 **To:** 143.45 **Litho:** AND

Reddish fine grained andesite with feldspar porphyry, domiated by CA strs with moderate chlorite; a few MG zones (up to 3-5% MG) & Qz VNs. @131.86m is 17mm Qz VN, 45 tca. @133.25m is 9mm PY-CA VN, 85 tca. @133.36-133.64m is zone with dispersed CP-PY-Qz VN, 40 tca & PY strs; ~8% CP; 2-3% PY in this interval. @ 134.92m is 13mm Qz-PY-MG VN, 80 tca. @136.31m is 16mm Qz-PY-MG VN, 60 tca. @136.78m is 21mm ptygmatic PY-CA-MG VN, 55 tca. @ 136.97m is 17mm PY-CA VN, 65 tca & MG zone around. @138.48m solid 22mm Qz-PO VN, 40 tca. @139.7m is 21mm Qz-CA-PY VN, 60 tca with MG zone (MG~5%). @140.4-140.55m epidote alteration. 140.5-141.31m zone with stockwork 3-6mm Qz VNs in different orientation. @ 140.33m is 17mm Qz-PO VN, 50 tca. @142.65m is 15mm Qz-PY VN, 50 tca & ~5% MG. @142.62-143.35m breccia zone.

STRUCTURES

From	To	Struct	CA	Strain
131.15	133.50	MASS		S

132.1-132.41 breccia

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
131.15	135.00	-	-	M	M	-	-	-	W	-		W	W	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
131.15	131.97	4	2	2	3	2	40
131.97	133.50	4	3	1	1	2	20

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
131.15	133.50	3	DISS	PY	3		

From: 131.15 **To:** 143.45 **Litho:** AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
133.50	133.82	FLW	45	S

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
135.00	143.40	-	-	-	M	-	-	-	W	-	M	VW		
143.40	143.45	-	-	-	-	-	-	-		-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
133.50	143.45	5	3		4	1	70

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
133.50	143.40	2	VLT	PY	1	PO	0.5

From: 143.45 **To:** 166.10 **Litho:** AND

Andesite porphyry, strong biotitization, weak chlorite; from weak to moderate CA; network of Qz & CA VNs & narrow (1-3mm) PY VNs. @ 143.6m solid 30mm Qz VN, 60 tca. @ 143.36m is 8mm Qz VN, 60 tca. @144.8m is 17mm Qz VN, 80 tca. @146.05m is 16mm Qz-PY VN, 70 tca. @ 147.4m is 10mm Qz-PY VN, 45 tca. @149.53m is 14mm Qz-PY VN, 55 tca. @145.5m is 13mm Qz-PO VN, 80 tca. @149.6m is 44mm Qz-sphalerite-PO-CP VN, 65 tca. @152.56-156.7m three 13-14mm Qz VNs, 60-70 tca. Below 156.7m andesite with biotite & feldspar phenocrysts, PY & PO ~1-2%. @154.43m is 38mm Qz-CA VN, 80 tca. @154.68m is 24mm CA-Qz NV, 60 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 143.45 **To:** 166.10 **Litho:** AND

Andesite porphyry, strong biotitization, weak chlorite; from weak to moderate CA; network of Qz & CA VNs & narrow (1-3mm) PY VNs. @ 143.6m solid 30mm Qz VN, 60 tca. @ 143.36m is 8mm Qz VN, 60 tca. @144.8m is 17mm Qz VN, 80 tca. @146.05m is 16mm Qz-PY VN, 70 tca. @ 147.4m is 10mm Qz-PY VN, 45 tca. @149.53m is 14mm Qz-PY VN, 55 tca. @145.5m is 13mm Qz-PO VN, 80 tca. @149.6m is 44mm Qz-sphalerite-PO-CP VN, 65 tca. @152.56-156.7m three 13-14mm Qz VNs, 60-70 tca. Below 156.7m andesite with biotite & feldspar phenocrysts, PY & PO ~1-2%. @154.43m is 38mm Qz-CA VN, 80 tca. @154.68m is 24mm CA-Qz NV, 60 tca.

STRUCTURES

From	To	Struct	CA	Strain
143.45	156.05	MASS		VS
very strong rock with 1-2 %of joints				
156.05	166.10	MASS		S
strong rock with 1-2% of joints				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
143.45	156.05	-	-	W	W	-	-	-	W	-	S	M	VW	
strong biotitization														
156.05	166.10	-	-	M	M	-	-	-	W	-	S	M	VW	
biotitization														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
143.45	156.05	4	3	10	2	2	60
156.05	166.10	3	3	7	3	1	60

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
143.45	156.50	2	DISS	PO	1	PY	1
156.50	166.10	0.5	DISS	PY	0.5		

From: 166.10 **To:** 168.10 **Litho:** ADY

Andesite with biotite & feldspar phenocrysts, silica, moderate CA, weak <1% PY.

STRUCTURES

From	To	Struct	CA	Strain
166.10	168.10	MASS		VS
strong rock with silica				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
166.10	168.10	-	-	W	M	-	-	-	W	-	S	M		

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
166.10	168.10	0.5	DISS	PY	0.5		
very weak PY							

From: 166.10 **To:** 168.10 **Litho:** ADY

Andesite with biotite & feldspar phenocrysts, silica, moderate CA, weak <1% PY.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 168.10 **To:** 175.57 **Litho:** ADY

Andesite, weak PY strs, green feldspar phenocrysts, CA & silica alteration

STRUCTURES

From	To	Struct	CA	Strain
168.10	175.57	MASS		S

~2% of joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
168.10	175.57	-	-	M	W	-	W	-	M	-	S	M	VW	

biotite

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
168.10	175.57	2	1	1	3	1	45

CA network, PY strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
168.10	175.57	1	VLT	PY	1		

From: 175.57 **To:** 234.37 **Litho:** AND

Andesite with breccia zones & silica alteration, network of CA strs, moderate chlorite alteration, lapilli tuffs; very weak MG, dominated by biotite . @ 175.82-176.0m silica alteration; Below 176.28m breccia zone =25cm; @ 176.68m silica zone ~32cm. @177.88m is 23mm PO-PY VN, 60 tca. @178.7-178.94m is AB breccia. Below 178.94m core is strong with silica alteration, CA strs. @183.6m is 5mm CA VN, 30 tca. From 185.67m to 186.56m strong biotitization with fine grained PY (~1%). Below 186.56m hybrid zone with intensive volcanic/ intrusive mixture, CA strs, breccia zones, silica alteration, biotite, feldspar phenocrysts, Qz VNs & tiny PO. @190.1m is 26mm Qz VN, 40 tca. @190.44-190.7m silica zone. @191.71m is 20mm dendritic or anastomosing CA VN, 30 tca. @191.8-191.24m silica zone with 30mm Qz VN, 85 tca. @194.6m is 11mm Qz VN, 70 tca. @ 195.14-195.33m silica zone with 13mm, 80 tca. @196.87m is 12mm CA VN, 40 tca. @198.35m is 11mm CA VN, 40 tca. @199.2m is 8mm CA-PY-MG VN, 30 tca. Below 199.45m andesite with 2-3% of DI PY. @199.56m is 6mm Qz-MG VN, 55 tca. @204.57m is 27mm AB VN, 75 tca. From 204.7m to 211.55m andesite with very strong biotite alteration, moderate chlorite, weak CA; PY ~1% in this interval. @211.55-213.25m fault zone with rubble & gouge (>60% are pieces <10cm). @213.55-219.7m dark andesite with biotite altn, feldspar phenocrysts, narrow Qz VNs. @ 219.7-234.7m reddish andesite with silica & chlorite; a few Qz VNs & abundant Qz strs. @224.0-224.15m are two 13 & 17mm Qz VNs, 50tca.

STRUCTURES

From	To	Struct	CA	Strain
175.57	176.30	MASS		S

1-2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 175.57	**To:** 234.37	**Litho:** AND

Andesite with breccia zones & silica alteration, network of CA strs, moderate chlorite alteration, lapilli tuffs; very weak MG, dominated by biotite . @ 175.82-176.0m silica alteration; Below 176.28m breccia zone =25cm; @ 176.68m silica zone ~32cm. @177.88m is 23mm PO-PY VN, 60 tca. @178.7-178.94m is AB breccia. Below 178.94m core is strong with silica alteration, CA strs. @183.6m is 5mm CA VN, 30 tca. From 185.67m to 186.56m strong biotitization with fine grained PY (~1%). Below 186.56m hybrid zone with intensive volcanic/ intrusive mixture, CA strs, breccia zones, silica alteration, biotite, feldspar phenocrysts, Qz VNs & tiny PO. @190.1m is 26mm Qz VN, 40 tca. @190.44-190.7m silica zone. @191.71m is 20mm dendritic or anastomosing CA VN, 30 tca. @191.8-191.24m silica zone with 30mm Qz VN, 85 tca. @194.6m is 11mm Qz VN, 70 tca. @ 195.14-195.33m silica zone with 13mm, 80 tca. @196.87m is 12mm CA VN, 40 tca. @198.35m is 11mm CA VN, 40 tca. @199.2m is 8mm CA-PY-MG VN, 30 tca. Below 199.45m andesite with 2-3% of DI PY. @199.56m is 6mm Qz-MG VN, 55 tca. @204.57m is 27mm AB VN, 75 tca. From 204.7m to 211.55m andesite with very strong biotite alteration, moderate chlorite, weak CA; PY ~1% in this interval. @211.55-213.25m fault zone with rubble & gouge (>60% are pieces <10cm). @213.55-219.7m dark andesite with biotite altn, feldspar phenocrysts, narrow Qz VNs. @ 219.7-234.7m reddish andesite with silica & chlorite; a few Qz VNs & abundant Qz strs. @224.0-224.15m are two 13 & 17mm Qz VNs, 50tca.

STRUCTURES

From	To	Struct	CA	Strain
176.30	176.53	BX *solid*		S
176.53	178.63	MASS *1-2% joints*		S
178.63	178.86	BX *AB-CA breccia*		M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
175.57	178.70	-	-	W	S	-	M	-	M	-	M	W	W	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
175.57	178.70	1	1	1	1	1	70

@177.88 is 23mm PO-PY VN, 60 tca

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
175.57	182.27	2	VLT	PO	0.1	PY	1

From: 175.57 **To:** 234.37 **Litho:** AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
178.86	185.67	CON		S
rock is hard				
185.67	186.56	CON		VW
2mm CON,				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
178.70	182.27	-	-	M	S	-	M	-	M	-	W	W		
182.27	199.60	-	-	M	S	-	M	-	M	-	S	W	W	
silica alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
178.70	182.27	1	2	2	2	1	60
a few 3-4 mm CA NVs							
182.27	199.00	3	2	2	3	1	80
Qz VNs prezent in silica zones							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
182.27	186.56	2	CG	PY	2	PO	1

From: 175.57 **To:** 234.37 **Litho:** AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
186.56	211.55	CON		

rock is hard in this interval

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
199.60	211.55	-	-	M	S	-	M	-	M	-	VS	W	W	

very strong AB alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
199.00	211.55	1	1		3	0.5	60

CA VNs present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
186.56	211.55	1	DISS	PY	1	PO	0.5

weak sulfide

From: 175.57 **To:** 234.37 **Litho:** AND

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
211.55	234.37	-	-	W	M	-	M	-	M	-	W	W	VW	
.5% PY														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
211.55	234.37	1	2	1	1	0.5	50
Qz strs dominated							

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
211.55	234.37	0.2	DISS				

From: 234.37 **To:** 239.11 **Litho:** AND

Andesite with strong chloritization & biotitization; 3-5% PY & PO in this interval; weak CA strs.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 234.37 To: 239.11 Litho: AND

Andesite with strong chloritization & biotitization; 3-5% PY & PO in this interval; weak CA strs.

STRUCTURES

From	To	Struct	CA	Strain
234.37	239.11	MASS *strong rock*		S

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
234.37	239.11	-	-	S	M	-	M	-	M	-		M		

silicification & Chl

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
234.37	239.11	1	2		1	0.5	

weak DI PY

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
234.37	239.11	5	DISS	PY	4	PO	1

From: 239.11 To: 259.04 Litho: SLST

Contact at 239.1m. Below 239.1m black argillite with Qz-AB strs & micro strs (~50 strs/m, same orientation), 25-40 tca; weak CA strs. (Strs >2mm thickness contain PY). AB-Qz-PY VNs present as 1-2 per m. @244.9-245.6m andesite dyke. @250.6-252.4m fault zone (fragments & gouge).

STRUCTURES

From	To	Struct	CA	Strain
239.11	250.60	FOL		M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
239.11	250.60	-	M	VW	M	-	-	-	M	-		VW		

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
239.11	252.40	3	2		0.5	2	35

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
239.11	259.04	0.3	VLT	PY	0.3		

From: 239.11 **To:** 259.04 **Litho:** SLST

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
250.60	252.40	FLT		VW

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
250.60	252.40	-	M	VW	M	-	-	-	M	-		VW		

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 259.04 **To:** 271.56 **Litho:** ARG

Interbedded argillite & silstone with a few faults & shear zones; abundant Qz-AB strs & VNs. @252.4-252.66m broken core. @ 259.4-259.7m broken core. @260.7-261.65m broken core (fragments & gouge). @264.0-264.2m shear zone. @ 264.85m is 16mm AB-PY VN, 25 tca. @ 265.1m gouge 20mm thickness, 30 tca. @266.57m flat 35mm AB VN with small PY. @267.77m is 12mm AB VN, 15 tca. Below 267.9m core mottled by Qz-AB strs, ~25 tca on the same orientation, chalcopyrite present.

STRUCTURES

From	To	Struct	CA	Strain
259.04	271.56	BDG	25	M
shear zones & faults				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
259.04	271.56	-	S	VW	-	M	-	-	-	-				
argillite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
259.04	271.56	3	1			1	25

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
259.04	271.56	0.1	DISS	PY	0.1		

From: 259.04 **To:** 271.56 **Litho:** ARG

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 271.56 **To:** 275.63 **Litho:** ADY

Grey andesite dyke with 1% fine grained DI PY

STRUCTURES				
From	To	Struct	CA	Strain
271.56	275.63	MASS		VS

solid

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
271.56	275.63	-	-	-	-	-	-	-	-	-		W		

fine grained DI PY ~1%

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
271.56	275.63	0.1					

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
271.56	275.63	1	DISS	PY	1		

weak PY

From: 275.63 **To:** 286.50 **Litho:** ARG

Black argillite mottled by AB-Qz strs & VNs (15-90 tca) +PY, CPY & PO. @ 277.07m is 10mm Qz-AB-PY VN, 50 tca. @ 282.92-283.2m silica, Qz, PY & Chl. @283.6m is 20mm AB-PY-chlorite VN, 25 tca.

STRUCTURES				
From	To	Struct	CA	Strain
275.63	286.50	FLW	45	M

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
275.63	286.50	-	S	-	VW	M	-	-	-	-		W		

PY & CPY present mostly in VNs

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
275.63	286.50	3	2			1	50

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
275.63	286.50	3	VLT	PY	2	CP	1

PY, Cpy & pyrrhotite present in VNs

From: 275.63 **To:** 286.50 **Litho:** ARG

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 286.50 **To:** 307.20 **Litho:** ARG

Black argillite with siltstone & abundant Qz-AB-chlorite strs & VNs, ~40-80 tca, PY strs. @298.93-299.5m shear zone with 20% gouge. @287.35m Qz lense 13cm along the core. @285.95m is 5mm PY VN, 35 tca. @289.5m is 10mm Qz-PO-chlorite VN, 55 tca. @293.2m dendritic Qz-PY-chlorite, no orient. 298.3-299.47m soft argillite with abundant CA strs. @300.4-301.15m dispersed 27mm Qz-PY-chlorite VN, 20 tca. @301.4-302.2m core mottled by Qz-chlorite-PY strs, 15-30 tca (~3% PY).

STRUCTURES

From	To	Struct	CA	Strain
286.50	307.20	BDG	40	M

core is solid

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
286.50	307.20	-	S	VW	M	VW	M	-	VW	-		W		

1-2% PY in VNs

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
286.50	307.20	2	2		2	1	45

thin & dispersed VNs with PY

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
286.50	307.20	2	VLT	PY	2		

From: 286.50 **To:** 307.20 **Litho:** ARG

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 307.20 **To:** 324.07 **Litho:** ARG

Black argillite (60%) with subparallel hornfelsed siltstone (40%) remnants/zones (?), mottled by Qz & AB VNs & strs ~20-35 tca (same orient); very weak CA; DI PY<0.5% . @312.6m dispersed 20mm Qz-PY (0.5%) VN, 30 tca. Below 317.2m present 4-5mm Qz VNs, 20-40 tca.

STRUCTURES				
From	To	Struct	CA	Strain
307.20	324.07	BDG	45	M

2% of joints, core is strong

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
307.20	324.07	-	M	VW	W	M	M	-	VW	-		VW		

Qz alteration blebs, thin VNs & strs

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
307.20	324.07	2	2		0.2	1	30

tiny Qz & 4-5mm Qz VNs mottled the core (same direction)

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
307.20	324.07	0.3	FG	PY	0.3		

From: 324.07 **To:** 326.18 **Litho:** GDIO

Granodiorite dyke with DI PY up to 20% in this interval, weak biotite alteration.

STRUCTURES

From	To	Struct	CA	Strain
324.07	326.18	MASS		S
granodiorite dyke				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
324.07	326.18	-	-	-	W	-	-	-	-	-	W		S	
biotite ~2%														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
324.07	326.18	0.1	5				

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
324.07	326.18	20	MS	PY	20		
dyke with PY							

From: 326.18 **To:** 339.60 **Litho:** HSLT

Hornfelsed siltstone mottled by Qz strs & contorted Qz-PY-PO VNs. @327.5-327.78m knot Qz-PY VNs & strs in different orient. @328.0m is 7mm Qz-AB-PY VN, 80 tca. @328.47-328.8m is GDIO dyke with ~10% PY. @329.03m is 11mm Qz-PY VN, 90 tca. @ 329.08-329.26m knot of Qz-PY strs. @329.45-329.52m contorted 7mm Qz-PY VN, 15 tca. @330.13m is 12mm Qz-PY VN, 80 tca. @331.27-331.32m is 15mm offset Qz-PY VN, 90 tca. From 334.64 to 335.02m zone subparallel ptygmatic Qz-AB-PY VNs, 30 tca. @336.0m is 16mm Qz-pyrrhotite VN, 90 tca. @336.46m is 13mm Qz-PY VN, 70 tca. @336.94m crosscut of two Qz-PY VNs 14mm & 5mm, 20 & 50 tca. @337.34m is 11mm Qz-PY VN, 90 tca. @337.76m is 12mm Qz-PY VN, 50 tca. 338.85 contorted 14mm Qz-PY VN, 90 tca. @339.1m is 7mm AB VN, 45 tca.

STRUCTURES

From	To	Struct	CA	Strain
326.18	339.00	FLW		S
siltstone mottled by Qz strs (~30 tca) & contorted Qz VNs (65-90 tca)				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
326.18	339.60	-	-	VW	M	-	-	-	VW	-			M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
326.18	339.60	5	7			3	70
core with dominated 10-15mm Qz-PY VNs, 50-90 tca							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
326.18	339.60	3	VLT	PY	3	PO	1
PY clusters & DI PY							

From: 326.18 **To:** 339.60 **Litho:** HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 339.60 **To:** 340.60 **Litho:** GDIO

Granodiorite dyke with 10% DI PY & biotite

STRUCTURES

From	To	Struct	CA	Strain
339.60	340.00	MAS S		S

granodiorite dyke

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
339.60	340.60	-	-	-	W	-	-	-	-	-	W		M	

biotite 2%

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
339.60	340.60	0.1	5				

no VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
339.60	340.00	10	MS	PY	10		

DI PY

From: 340.60 **To:** 354.40 **Litho:** HSLT

Hornfelsed siltstone mottled by Qz strs & contorted Qz-PY/PO VNs, biotite alteration. @ 341.02m is 20mm AB-PY VN, 85 tca. @341.34m is 18mm Qz-PY-MO VN, 35 tca. @341.48m is 37mm AB-PY VN, 40 tca. @343.17m is 8mm Qz VN. 75 tca. @344.39m is 6mm Qz-PY VN, 10 tca. @345.38m two 10mm & 11mm, 85 & 90 tca. @345.8m is 22mm Qz-PY VN, 70 tca. @348.48m is 6mm Qz-PY VN, 30 tca. @349.44-349.55m granodiorite. @353.18m contorted 11mm Qz VN, 60 tca.

STRUCTURES

From	To	Struct	CA	Strain
340.60	354.40	FLW	30	S

1-2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
340.60	354.40	-	-	VW	W	-	-	-	VW	-	M			

biotite altn.

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
340.60	354.40	4	5			3	80

contorted Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
340.60	354.40	1	VLT	PY	1	MO	0.3

PY present in Qz VNs

From: 340.60 **To:** 354.40 **Litho:** HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 354.40 **To:** 357.30 **Litho:** DYKE

Granodiorite dyke with 15-20% DI PY & biotite is also present.

STRUCTURES				
From	To	Struct	CA	Strain
354.40	357.30	MASS		S

granodiorite dyke with 15-20% DI PY & biotite 2-3%

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
354.40	357.30	-	-	-	W	-	-	-		-	W		M	

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
354.40	357.30	0.1	5				

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 357.30 **To:** 374.56 **Litho:** HSLT

Hornfelsed siltstone mottled by Qz strs & contorted Qz-PY VNs, narrow AB VNs. Chl altn, weak biotite. @358.5m is 10mm Qz-Chl-PO VN, 70 tca. @358.85m is 5mm Qz-PY VN, 50 tca. @359.11m is 9mm dispersed Qz-PY VN, 20 tca. @360.46m is 16mm Chl-PY VN, 35 tca. @361.72m is 18mm AB VN, 30 tca. @362.3m is 57mm Qz-PY VN, 40 tca. @362.64m contorted 14mm Qz-PY VN, 90 tca. @363.23m is 9mm Qz-AB-PY VN, 50 tca. @363.54-364.24m significant QZ-AB-PY-Chl VNs stockwork 30-40 tca, (up to 10% PY in this interval). @364.1m is 5mm AB VN, 30 tca. @364.95-365.87m zone with a few dispersed subparallel Qz-Chl-PY VNs, 30 tca (10% Qz & 3% PY in this interval). Below 366.14m core has 4-5mm Qz VN per meter in different orient. @370.33m is 28mm Qz-PY VN, 65 tca. @371.95m is 35mm dispersed Qz-PY VN, 40 tca. @373.95-374.5 contorted 14mm Qz-PY-BIO VN, no orient.

STRUCTURES

From	To	Struct	CA	Strain
357.30	374.56	FLW		S
	1-2% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
357.30	374.56	-	-	W	W	VW	W	-	-	-	W		W	
Biotite & Chl altn.														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
357.30	374.56	5	4		1	4	50
	4-5 Qz-P-Chl VN/m						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
357.30	374.30	2	VLT	PY	2		
	PY specks on Qz VNs						

From: 374.56 **To:** 375.90 **Litho:** ADY

Grey andesite dyke with 1% fine grained DI PY.

STRUCTURES

From	To	Struct	CA	Strain
374.56	375.90	FLW		S

dyke

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
374.56	375.90	-	-	-	-	-	-	-	-	-			VW	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
374.56	375.90	0.1	0.1				

no VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
374.56	375.90	0.2	FG	PY	0.2		

very fine grained PY

From: 375.90 **To:** 392.21 **Litho:** HSLT

Hornfelsed siltstone mottled by Qz strs & Qz-MO-sulphide VNs, biotite. @376.1m is Qz-PY-MO VN, 35 tca. @376.57m is 12mm Qz-PY-MG VN, 55 tca. @377.08m is 11mm Chl-Qz VN, 45 tca. @378.37m is 15mm Chl-Qz VN, 30 tca. @378.6m is 11mm Qz-Chl-PY VN, 40 tca. @380.02-380.27m three 15-17mm Qz-PY-MO VNs, 30-60 tca. @380.46m is 13mm Qz-PY-MG VN, 45 tca with subparallel PY strs. @381.0-381.78m three parallel 16-19mm Qz-Chl-PY VNs, 30 tca. @382.86m is 17mm Chl-Qz VN, 30 tca. @383.06-385.45m a few 8-13mm Qz-PY VN, 20-30 tca. @385.45m is significant 22mm Qz-MO-PY VN, 30 tca. Below 385.65m core mottled by Qz-PY strs. @386.1m is 6mm MO VN, 55 tca. @388.43m is 22mm Qz-MO-PY VN, 80 tca. @389.18-389.6m significant Qz-PY zone (10-15% PY). @390.42-390.55m granodiorite. @390.75-391.26m Qz-AB-PY-Chl hybrid zone.

STRUCTURES

From	To	Struct	CA	Strain
375.90	392.21	FLW	50	S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
375.90	392.21	-	VW	M	W	M	M	-	VW	VW	W		M	

PY & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
375.90	392.21	4	4		0.1	4	45

Qz-PY-MO VNs (~3-4% PY, 1% MO in this interval)

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
375.90	392.21	4	VLT	PY	4	MO	1

~3-4% PY, 1-1.5% MO, 1-2% MG below 383.0m

From: 392.21 **To:** 400.90 **Litho:** HSLT

Hornfelsed siltstone mottled by Qz strs & contorted Qz-Chl-sulphide VNs, moderate biotite alteration, weak MG, PY strs (~2-3% PY). @392.5m dispersed 66mm Qz-Chl-PY-MG VN, 50 tca. @393.04-393.25m knot of Qz-Chl-PY VNv (7-10% PY). @393.76m is dispersed 32mm Qz-Chl-PY-MO-MG VN, 45 tca. @394.04m is 14mm Qz-Chl-PY-MO-MG VN, 70 tca. @395.15m is 20mm Qz-PY-MG VN, 75 tca. @395.56m is 14mm Qz-PY-MG VN, 85 tca. @395.63m is 42mm Qz-PY-MG VN, 45 tca. @395.95m solid 42mm Qz-PY-Cpy-MG VN, 40 tca. @396.43-396.78m zone with dominated AB-QZ-PY-Chl strs, 40 tca. @397.07-397.28m dispersed Chp-Qz-PY VN, 30 tca (~7% PY). @398.9m is 12mm Qz-Chl-PY-MG VN, 45 tca. @399.76m solid 26mm Qz-PY-Chl VN, 45 tca. @399.9m solid 24mm Qz-MO-PY VN, 70 tca. @400.02m is 30mm Qz-PY-MO-Cpy VN, 80 tca. @400.64m is 13mm Qz-CA-Cpy VN, 80 tca.

STRUCTURES

From	To	Struct	CA	Strain
392.21	400.90	FLW	50	S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
392.21	400.90	-	W	W	W	M	M	-	VW	-	M		M	

biotite altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
392.21	400.90	4	4	1	0.2	3	50

core mottled by thin Vns

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
392.21	400.90	3	VLT	PY	3	MO	1

~1% MO in this interval

From: 400.90 **To:** 408.00 **Litho:** HSLT

Hornfelsed siltstone mottled by Qz strs & contorted Qz-Chl-sulphide VNs, biotite, PY strs (~2% PY). Fault zone with rubble & gouge (20%), traces of Qz-CA-AB-PY VNs. @ 401.41m is 23mm dispersed Qz-PY VN, 40 tca. @401.63-401.78m dispersed 67mm Qz-AB-Chl-PY VN, 40 tca. @402.5m is 6mm PO VN, 40 tca with bunch of parallel PY strs. @402.91m is 20mm AB-PY-BO VN, 30 tca. @405.52m is 22mm Qz-PY VN, 90 tca. @406 .75m is 40mm Qz-MO-Chl-PY VN, 50 tca. @ 407.0m dispersed 23mm Qz-PY-MO VN 70 tca.

STRUCTURES

From	To	Struct	CA	Strain
400.90	401.57	FLT		VW

fault zone with gouge ~20%, PY 1-2%

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
400.90	401.57	-	-	W		-		-	VW	-			W	

fault, AB-CA present

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
400.90	401.57	1	1		1	1	

fault, trace of Qz-CA-PY VN, no orient

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
400.90	401.57	2	FG	PY	2		

fault zone with DI PY

From: 400.90 **To:** 408.00 **Litho:** HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
401.57	408.00	FLW		M

subparallel Qz strs 45 tca.

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 408.00 **To:** 420.85 **Litho:** HSLT

Hornfelsed siltstone mottled by Qz strs & contorted Qz-Chl-PY/PO VNs, thin PY strs. @408.0m solid 23mm Qz-PY VN, 35 tca. @408.57-408.78m zone with dispersed vein Qz-PY +breccia, 40 tca. @409.38-409.8m significant Qz-PY MO VN 33mm, 20 tca. @409.83-410.1m Chl-PY zone (10% RY). @411.22m is 6cm granodiorite with 5% PY. @ 411.7m is 10mm Qz-PY VN, 80 tca. @412.28 is 18mm CA VN 70 tca. @412.7 is 18mm Qz-PY-MO VN, 20 tca. @412.84 is 15m QZ-PY-MO Vn, 40 tca. @ 413.92 is 25mm Qz-PY VN 45 tca. @414.2m distorted Qz-Chl-PY-MO VN, 40 tca. @416.2m dispersed PY-PO-BO-Qz-MO VN, 70 tca. @416-26-416.67m significant zone with 72mm Qz-PY VN & dispersed 76mm Chl-PY VN, 55 tca. @416.96m is 13mm Qz-PY-MO VN, 80 tca. @417.7m is 21mm Qz-AB-PY-BO VN, 40 tca. Below 417.8m significant Qz-PY-MO zone (2-3% MO).@417.8-417.96m two contorted 14mm Qz-PY-MO VNs, 45 tca. @419.25m solid 30mm Qz-PY-MO VN, 40 tca. @419.8m solid 25mm Qz-PY-MO VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
408.00	420.85	FLW	50	M

2% joint

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
408.00	420.85	-	-	W	W	-	M	-	-		VW		M	

Chl, PY

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
408.00	420.85	3	4		0.1	3	50

zone with dominated Qz-PY-MO VNz (~1-3%MO)

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
408.00	420.85	3	VLT	PY	1.5	MO	1

significant QZ-PY-MO zone

From: 408.00 To: 420.85 Litho: HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 420.85 To: 425.05 Litho: GDIO

White-grey granodiorite, biotite mica, AB orthoclase, 2-3% PY, breccia. Below 423.0 a few thin Qz-PY-MO VNs. @424.12m is 32mm Qz-AB-VN,70 tca. @424.2-424.6m dominated Qz-PY-MO zone.

STRUCTURES				
From	To	Struct	CA	Strain
420.85	425.05	MASS		S

granodiorite with breccia zones

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
420.85	425.05	-	-	-	M	-	M	-	-	-	W	M	W	

dyke

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
420.85	425.05	1	20	10		1	

Qz-PY-MO VN present

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
420.85	425.05	3	DISS	PY	3	MO	0.5

2-4% PY, 0.5-1% MO

From: 425.05 To: 429.27 Litho: GDIO

Hornfelsed siltstone mottled by Qz-PY/PO VNs (~2% PY), breccia zones, Chl altn. @426.03 is 10mm Qz-PY-MO VN, 40 tca. @426.16m is 10mm Qz-PY-MO VN, 30 tca. @426.72m is 17mm Qz-PY-MO VN, 55 tca. @ Below 426.81m significant Qz-PY zone with Qz-PY-MO VNz (1% MO in this interval).

STRUCTURES				
From	To	Struct	CA	Strain
425.05	429.27	FLW	40	S

significant zone with high volcanic activity & same breccia

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
425.05	429.27	-	-	W	M	-	M	-	-	-	M	M	M	

Chl & AB altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
425.05	429.27	4	20	5		4	40

abundant Qz-PY VN +MO 1-2%

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
425.05	429.27	3	VLT	PY	3	MO	1.5

high volcanic activity & same breccia

From: 425.05 **To:** 429.27 **Litho:** GDIO

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 429.27 **To:** 430.77 **Litho:** GDIO

Breccia zones with white-grey granidiorite, biotite mica, AB orthoclase, Qz, 2-3% PY. @429.27m is 14mm Qz-PY VN, 65 tca. @429.42 solid 32mm Qz-PY-MO VN, 55 tca. @429.76m solid 41mm Qz-PY VN, 50 tca.

STRUCTURES				
From	To	Struct	CA	Strain
429.27	430.77	BX		S

breccia zone

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
429.27	430.77	-	-	VW	M	-	M	-	-	-	W	M	M	

weak Chl altn, AB present

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
429.27	430.77	5	20	10		2	55

solid Qz-PY VNs

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
429.27	430.77	3	DISS	PY	3	MO	0.5

weak MO

From: 430.77 **To:** 442.50 **Litho:** HSLT

Hornfelsed siltstone mottled by Qz-PY VNs +/- MO, PY & Qz strs, PY on fracture (~2% PY). @431.03m is 14mm Qz-PY-Cpy-MO VN, 40 tca. @431.46m is 7mm Qz-PY-Epidote VN, 65 tca. @431.64-431.8m solid Qz-PY-MO zone, 40 tca. @432.43m solid 41mm Qz-PY-MO VN, 70 tca. @433.5m solid 30mm Qz-PY-MO VN, 60 tca. @433.87m significant 160mm Qz-PY-MO VN, 40 tca. @434.5m is 8mm Qz-PY VN, 20 tca. @435.3m is 10mm Qz-PY MO VN, 40 tca. @436.15m is 12mm Qz-PY NV, 70 tca. @436.2-436.58m tuff with 9m CA VN, 40 tca, small shear zone. @437.73m 10mm shear sone. @43.57-438.0m zone with contorted 12mm Qz-PY VN, no orien. @438.85m solid 20mm QZ-PY-MO VN, 80 tca. @440.0m is 12mm Qz-PY-MO VN, 60 tca with subparallel strs. @441.08-441.5m contorted 23mm Qz-PY-MO VN, 10 tca. @441.9m is 11mm Qz-PY-MO VN, 75 tca.

STRUCTURES				
From	To	Struct	CA	Strain
430.77	442.50	FLW	45	M

3% joints, two small shear zones as result of CA altn

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
430.77	442.50	-	-	W	M	VW	M	-	VW	VW	W	W	M	

very weak epidote altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
430.77	442.50	4	6		1	3	40

dominated QZ-PY +/- MO VNs

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
430.77	442.50	2	VLT	PY	2	GN	0.3

weak MO

From: 430.77 **To:** 442.50 **Litho:** HSLT

(Continued from previous page)

STRUCTURES					ALTERATION														VEINS								MINERALIZATION							
From	To	Struct	CA	Strain	From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER	From	To	Vn%	QZ%	Feld%	CC%	V/m	CA	From	To	PY%	Style	Min	Min%	Min2	M2%

From: 442.50 **To:** 455.00 **Litho:** GDIO

White-grey granodiorite, biotite mica, white feldspar, AB orthoclase, PY strs (2-3% PY), siltstone zones, significant Qz-PY VNs. @443.27m is 23mm QZ -PY VN, 50 tca. @443.55-444.26m zone with 10mm Qz VN along the core. @445.4m solid 80mm Qz-PY VN, 40 tca. @445.55m is 24mm Qz-MO VN 40 tca. Below 445.6m a few 1mm MO strs. @446.7-447.03m zone with contorted 24mm Qz VN, 50 tca. @447.66-449.1m siltstone with Qz-PY VN & strs. @449.1-449.4m dyke. @4494-450.35m siltstone with 16mm Qz-PY-MO VN, 65 tca & abundant 1-5mm Qz-PY strs.@450.35-455.0m granodyorite with significant Qz-PY VNs +/- MO. (@450.76m is 14cm Qz-PY zone. @450.8m is 34mm Qz-PY-AB VN, 65 tca. @451.74-452.2m is Qz-PY-MO-Epidote zone. @453.49-453.66m is 20mm Qz VN, 35 tca. @453.66m is 30mm Qz-PY VN, 80 tca. @454.21m is 22mm Qz-PY VN,60 tca. @454.34m two parallel 12mm Qz-PY-MO VNs, 55 tca. @454.69m solid 44mm Qz VN, 55 tca with subparallel Qz-PY VNs. @454.9m is 22mm Qz-PY VN, 60 tca.

STRUCTURES					ALTERATION															VEINS								MINERALIZATION							
From	To	Struct	CA	Strain	From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER	From	To	Vn%	QZ%	Feld%	CC%	V/m	CA	From	To	PY%	Style	Min	Min%	Min2	M2%
442.50	455.00	MASS		S	442.50	455.00	-	-	M	-	M	-	VW	VW			M			442.50	455.00	20	20	7		3	50	442.50	455.00	3	VLT	PY	3	MO	1
granodiorite-90% & siltstone 10% in this interaval					*sinidicant Qz-Py zones*															*dominated Qz-PY zone & VNs +/- MO*								*Qz-PY VN & zones with +/- MO*							

From:	455.00	To:	470.30	Litho:	HSLT

Hornfelsed siltstone mottled by Qz-PY VNs +/- MO, Qz & PY strs, ~2-3% PY, (>20% Qz in this interval), breccia, weak CA, MG & epidote. @455.48m is 21mm Qz-PY-Chl VN, 35 tca. @455.85m is 36mm Qz-PY VN, 90 tca. @456.2-45.48m granodiorite with 5-10m Qz-PY VNs. @457.48m is 16mm Qz-PY VN, 50 tca. @458.31m is 23mm Qz-PY VN, 75 tca. @459.35m is 23cm Qz-PY-MO zone with abundant Qz strs +/- PY & MO. @460.16-460.39m granodiorite dyke. @460.47m is 24mm Qz-CA-PY VN, 35 tca. @460.82-461.65m granodiorite. @460.95-461.16m is 24mm QZ-PY-BO-Epi VN, 15 tca. @461.67m is 36mm Qz-PY VN, 40 tca. @462.0m is 24mm Qz-MO-PY VN, 35 tca. @462.5-462.82m three 11-20mm Qz-PY-MO VNs, 30-75 tca. @463.94m is 48mm ganodiorite. @464.22m is 26mm Qz-PY VN, 35 tca. @464.5m is 13mm Qz-PY-MO VN, 35 tca. @465.12m two 20mm parallel Qz-PY-CA VN, 50 tca. @465.94m is 16mm Qz-PY VN, 30 tca. @466.38m is 18mm Qz-PY VN, 35 tca. @466.85m is 24mm Qz-PY-BO VN, 60 tca. @466.96m is 33mm Qz-PY-BO VN, 90 tca. @467.11-467.79m four 11-19mm Qz-PO VNs, ~50 tca with weak MO. @467.9m is 46mm Qz VN, 55 tca. @468.0-468.37m three 13-34mm Qz-PY-MO VNs, 45 tca, weak epidote. @468.82m is 30mm Qz-PY-MO VN, 40 tca. @469.05-470.3m zone with eight 11-18mm Qz-PY VNs in different orient.

STRUCTURES

From	To	Struct	CA	Strain
455.00	470.30	FLW		S

a few 5-20cm granodiorite dykes, 3-5 % joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
455.00	469.40	-	-	VW	M	-	M	-	VW	VW	M	W	M	

weak Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
455.00	469.40	15	20	5	1	6	70

abundant Qz VNs + PY & +/- MO

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
455.00	469.40	3	DISS	PY	3	MO	1.5

Py~3-4%

From: 470.30 **To:** 483.78 **Litho:** GDIO

White-grey granodiorite porphyry, biotite mica, white felfspar, AB, dominated Qz VNs, PY strs (3-4% PY), significant Qz-PY VNs, very thin MO strs, weak MG. @470.7m is 30mm Qz-PY VN, 50 tca. @471.0-472.1m zone with weak epidote altn & ten Qz-PY VNs 8-15mm, ~40 tca. @472.05m is 57mm Qz-PY VN, 80 tca. @472.45m is 32mm Qz-PY-MO VN, 60 tca. @472.7-472.83m Qz-PY zone. @473.05 is 30mm Qz-PY VN, 50 tca. @474.19m is 56mm Qz VN, 40 tca. @474.42m is 34mm Qz-PY VN, 65 tca. @475.27m is 35mm Qz VN, 80 tca. @475.6m is 43mm Qz VN, 80 tca. @475.81m is 18mm Qz VN, 75 tca. @476.2-477.1m seven 16-22mm Qz-PY (+/-MO) VNs. @477.95m is 14mm Qz-PY VN, 45 tca. @478.57m is 18mm Qz-PY VN, 55 tca. @478.68m is 20mm Qz-CA-PY VN, 80 tca. @478.93m is 20mm Qz VN, 60 tca. @479.16m is 13mm Qz-MO VN, 50 tca. @479.71m is 36mm Qz-MO VN, 50 tca. @480.32m is 25mm Qz-MO VN, 50 tca. @481.0m is 70mm Qz-PY-PO VN, 75 tca. @481.57m is 12mm Qz-MO VN, 45 tca. @481.91m is 25mm Qz-P VN, 50 tca. @482.5-482.73m bunch of subparallel 13-17mm Qz-PY VNs, 45 tca. @483.0m is 19mm Qz-PY VN, 80 tca.

STRUCTURES

From	To	Struct	CA	Strain
470.30	483.78	MASS		S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
470.30	483.78	-	-	VW	M	-	M	-	VW	VW	M	M	M	

biotite alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
470.30	483.78	15	20	20	1	5	50

abundant Qz-PY VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
470.30	483.78	3	DISS	PY	3	PO	1

MO present in Qz VNs & very thin MO strs

From: 483.78 **To:** 499.20 **Litho:** GDIO

White-grey granodiorite porphyry, dominated Qz-VNs, biotite mica, felfspar, AB orthoclase, PY strs (~4% PY), MO ~0.2-0.3%, Chl altn. @484.3-484.57m zone with 50% Qz-PY, 90 tca. @486.9m is 24mm Qz-PY VN, 90 tca. @488.5m is 26mm Qz-PY VN, 85 tca. @487.66m is 21mm Qz-PY VN, 50 tca. @488.32m solid 70mm Qz-PY VN, 40 tca. @488.63m solid 80mm Qz-PY VN, 65 tca. @490.3m solid 34mm Qz-PY VN, 55 tca. @491.0-492.0m dominated Qz +PY zone. @491.75m is 15cm Qz-PY VN, 60 tca. Below 492.0m core with abundant Qz VNs 5-12mm, different orient. @492.8m is 32mm Qz-PY VN, 60 tca. @493.44m is 46mm Qz-PY VN, 75 tca. @494.24-494.42m broken core, weak CA. @494.9-495.05m Qz-PY zone. @495.55-496.0 zone with four Qz-PY-MO VNs, 55 tca & weak CA. @496.5-497.62m zone with eleven 20-27mm Qz-PY VNs, 60-70 tca & MO traces.

STRUCTURES

From	To	Struct	CA	Strain
483.78	499.20	MASS		S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
483.78	499.20	-	VW	-	M	-	M	-	VW	VW	M	M	M	

Weak CA & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
483.78	499.20	15	25	20	1	5	70

Qz VNs & zones dominated

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
483.78	499.20	4	DISS	PY	4	MO	0.05

MO trace

From: 483.78 **To:** 499.20 **Litho:** GDIO

White-grey granodiorite porphyry, dominated Qz-VNs, biotite mica, felfspar, AB orthoclase, PY strs (~4% PY), MO ~0.2-0.3%, Chl altn. @484.3-484.57m zone with 50% Qz-PY, 90 tca. @486.9m is 24mm Qz-PY VN, 90 tca. @488.5m is 26mm Qz-PY VN, 85 tca. @487.66m is 21mm Qz-PY VN, 50 tca. @488.32m solid 70mm Qz-PY VN, 40 tca. @488.63m solid 80mm Qz-PY VN, 65 tca. @490.3m solid 34mm Qz-PY VN, 55 tca. @491.0-492.0m dominated Qz +PY zone. @491.75m is 15cm Qz-PY VN, 60 tca. Below 492.0m core with abundant Qz VNs 5-12mm, different orient. @492.8m is 32mm Qz-PY VN, 60 tca. @493.44m is 46mm Qz-PY VN, 75 tca. @494.24-494.42m broken core, weak CA. @494.9-495.05m Qz-PY zone. @495.55-496.0 zone with four Qz-PY-MO VNs, 55 tca & weak CA. @496.5-497.62m zone with eleven 20-27mm Qz-PY VNs, 60-70 tca & MO traces.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 499.20 **To:** 500.55 **Litho:** HSLT

Hornfelsed siltstone mottled by 10-16mm Qz-PY VNs +/- MOstrs, (up to 4-5% PY), epidote altn. & ~25% Qz in this interval. @500.07m is 30mm Qz VN, 45 tca.

STRUCTURES

From	To	Struct	CA	Strain
499.20	500.55	FLW		S

3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
499.20	500.55	-	-	VW	M	-	M	-	VW	VW	VW	VW	M	

epidote altn.

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
499.20	500.55	25	25	5		13	70

abundant Qz VNs & PY strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
499.20	500.55	5	DISS	PO	3	PY	2

DI PY & PY strs, MO traces

From: 500.55 **To:** 524.50 **Litho:** GDIO

Grey granodiorite porphyry & monzonite with feldspar phenocrysts & MG, abundant Qz VNs stockwork, biotite, feldspar, AB orthoclase, weak Chl & epidote, PY strs (~4% PY), MO ~0.1-0.3%. @500.82m solid 55mm Qz-PY VN, 60 tca. @500.92m is 60mm Qz-PY-Epidote VN, 45 tca. @501.42m is 16mm Qz-PY-Epidote VN, 50 tca. @503.33-503.46m is 16mm offset VN, 60 tca. @503.74m is 17mm Qz-PY VN 60 tca. Below 505.0m (in every 20-25 cm) is 8-15mm Qz-PY VN +/- MO, 60-80 tca (5 VN/m). @507.2 -508.03m hybrid zone with coarse grained PY (~10%), Qz (15-20%), epidote & Chl. @508.63m is 18mm QZ-PY VN, 60 tca. Below 509.62m a few 8-14mm Qz-PY-MO VNs, 55-60 tca. @510.37m is 20mm Qz-PY-BO VN, 20 tca. @510.88m is 70mm Qz-CA-PY VN, 30 tca with Qz & epidote altn. @511.45m is 34mm Qz-PY-Epidote VN, 60 tca. @511. 64m is 25mm Qz-PY-Epidote VN, 15 tca. @512.4m is 21mm Qz VN, 50 tca. Below 512.45m monzonite porphry Qz-PY VN (+/- MO), 65 tca & Chl +Epidote. @513.93m is 30mm Qz VN, 30 tca. @515.25m is 36mm Qz-CA-sphalerite VN, 50 tca. @516.62m is 20mm CA VN, 30 tca. @516.72m is 15mm Qz-PY-BO VN, 25 tca. Below 517.0m green monzonite pophyry with MG (2-4%) & ~ 5-7% DI PY & PY strs, Qz-PY VNs & MO. @519.38m is 26mm Qz-PY-MO VN, 40 tca. @520.17m is 33mm Qz-PY VN, 90 tca. @520.76mis 47mm Qz-PY VN, 40 tca. @522.7m is 60mm Qz-MO VN , 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
500.55	524.50	MASS		S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
500.55	524.50	-	-	VW	M	-	M	-	VW	VW	M	M	M	

Chl & MG altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
500.55	524.50	6	20	12		1	5

dominated Qz-PY VNs & +/- MO traces

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
500.55	524.50	5	MG	PY	5	MO	0.1

MO present as a weak strs, MG 2%

From: 524.50 **To:** 528.90 **Litho:** HSLT

Hornfelsed siltstone mottled by Qz-PY VNs & PY strs, (~5-6% PY), weak Chl altn. @525.84m is 16mm Qz-PY-MO-Epidote VN, 40 tca. @525.94-526.44m is 16mm QZ-PY-Epidote VN along the core. @525.92-526.75m stockwork Qz-PY VNs +/-MO. @527.06m is 20mm Qz-PY-MO VN, 35 tca. @528.54m is 18mm Qz-CA-PY-MO-Epidote VN, 30 tca. @528.62m is 14mm Qz-PY-MO VN, 75 tca

STRUCTURES

From	To	Struct	CA	Strain
524.50	528.90	FLW		S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
524.50	528.90	-	-	VW	M	-	M	-	VW	VW			M	

Biotite & epidote altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
524.50	528.90	15	15		1	4	40

Core mottled by Qz-PY VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
524.50	528.90	5	VLT	PY	5	MO	0.1

abundant PY strs

From: 528.90 **To:** 543.70 **Litho:** MZON

Grey granodiorite porphyry with dark grey-greenish monzonite, feldspar phenocrysts, Qz-PY VNs +/-MO, BO, weak MG, AB & epidote. @530.18m is 24mm Qz-PY VN, 75 tca. @530.52m is 16mm Qz-PY VN, 55 tca. @531.0m is 18mm Qz-PY-MO VN, 90 tca. @532.0m is 15mm Qz-PY-MO VN, 25 tca. @532.75m is 16mm Qz-PY-MO VN, 60 tca. @533.38-533.74m is Qz-PY-MO zone. @534.6m is 28mm Qz-PY MO VN, 70 tca. @535. 08m is 12mm Qz-PY-MO VN, 80 tca. @535.03m is 24mm Qz-PY VN, 90 tca. @535.2m is dispersed Qz-PY-BO-MO VN, 45 tca. @535.53m is 15mm Qz-PY-MO VN, 45 tca. @535.84-541.14 significant zone with dominated Qz-PY VN +/- MO & BO, (5-6 VNs/m). @541.14m solid 20cm Qz-PY-MO VN, 40 tca. @541.66m is 20mm Qz-PY-MO, 65 tca. @541.86m is 17mm Qz-PY-MO VN, 85 tca. @542.10 -542.23m breccia with Qz, PY & MO.

STRUCTURES

From	To	Struct	CA	Strain
528.90	543.70	MASS		S

3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
528.90	543.70	-	-	-	M	-	M	VW	VW	VW	M	M	M	

weak MG & epidote altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
528.90	543.70	10	20	15	0.1	5	40

stockwork Qz-PY VNs +/- MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
528.90	543.70	5	MG	PY	4	PO	1

MO present as 0.1-0.2%

From: 528.90 **To:** 543.70 **Litho:** MZON

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 543.70 **To:** 548.40 **Litho:** MZON

Siltstone & monzonite zones. Also fracture controlled Qz VN + PY +/- MO. @545.22m is 20cm Qz-CA VN. @544.5-544.96m siltstone zone with two VNs: 32mm Qz-PY VN, 85 tca & 14mm Qz-AB-PY VN, 80 tca. @545.27m two (25 & 21mm) Qz-PY-MO VNs, 90 & 40 tca. @546.0m is 17mm Qz-MO VN, 80 tca. @546.32m is 20mm Qz-MO VN, 85 tca. @546.38-546.54m lens of Qz VN with trace of MO. @546.68m is 12cmQz-CA-PY-PO VN, 60 tca. From 546.92 to 548.4m siltstone with dominated stockwork 7-15mm Qz-PY-MO VNs, 70 -85 tca. @548.18m is 47mm Qz-PY-MO VN, 55 tca.

STRUCTURES				
From	To	Struct	CA	Strain
543.70	548.40	MASS		S

2-3% joints, structure controlled by Qz VNs +PY, +MO

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
543.70	548.40	-	-	W	M	-	M	-	VW	VW	W	W	M	

Chl altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
543.70	548.40	6	20	15	0.1	6	65

abundant Qz-PY-PO VN + MO trace

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
543.70	548.40	4	MG	PY	3	PO	1

traces of MO

From: 548.40 **To:** 572.41 **Litho:** MZON

Granodiorite & monzonite zones, Qz-PY VN & PY BB weak MO strs & traces. @550.0m is 50mm Qz-PY-MO VN, 50 tca. @550.57m is 23mm Qz-PY-MO VN 80 tca. @550.21m is 47mm Qz-PY-MO VN, 50 tca. Below 500.7m stockwork Qz-PY VNs +MO traces. @552.28 is 30mm Qz-PY-MO VN, 50 tca. @553.6 is 17mm Qz-PY-MO VN, 25 tca. @553.8m is 40mm Qz-PY-MO VN, 70 tca. @555.40m is 45mm Qz-PY -MO VN, 50 tca. @555.9m is 40mm Qz-PY-MO VN, 40 tca. @557.93m is 35mm QZ-PY VN, 80 tca. @557.83m is 36mm Qz-PY-MO VN, 50 tca. @558.47m is 11cm solid Qz-PY-MO VN, 50 tca. @560.64m is 20mm Qz-PY-MO VN, 45 tca. @560.0m is 32mm Qz-PY-MO VN, 70 tca. @561.0m is 17mm Qz-PY-MO VN, 30 tca. @563.3m is 20mm Qz-PY-MO VN, 30 tca. @564.34m is 16mm Qz-PY-MO VN, 30 tca. @564.64m is 18mm contorted Qz-AB-MO VN, 30 tca. @555.9m is 23mm Qz-PY-BO VN, 55 tca. @566.6m is 16mm Qz-PY-MO VN, 30 tca. @567.8m is 20mm Qz-PY MO VN, 50 tca. @568.18m is Qz-PY-BO-MO VN, 40 tca. @568.36-568.51m two 20 & 24mm Qz VNs, 45 & 70 tca. @568.76m is 24mm Qz-CA-PY-MO VN, 70 tca. @568.86m is 21mm Qz-PY-MO VN, 80 tca. @569.67m is 30mm Qz-PY-Chl VN, 80 tca. @570.03m is 22mm Qz-PY-MO VN, 75 tca. @571.36m is 33mm Qz-PY VN, 40 tca.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 548.40 **To:** 572.41 **Litho:** MZON

Granodiorite & monzonite zones, Qz-PY VN & PY BB weak MO strs & traces. @550.0m is 50mm Qz-PY-MO VN, 50 tca. @550.57m is 23mm Qz-PY-MO VN 80 tca. @550.21m is 47mm Qz-PY-MO VN, 50 tca. Below 500.7m stockwork Qz-PY VNs +MO traces. @552.28 is 30mm Qz-PY-MO VN, 50 tca. @553.6 is 17mm Qz-PY-MO VN, 25 tca. @553.8m is 40mm Qz-PY-MO VN, 70 tca. @555.40m is 45mm Qz-PY -MO VN, 50 tca. @555.9m is 40mm Qz-PY-MO VN, 40 tca. @557.93m is 35mm QZ-PY VN, 80 tca. @557.83m is 36mm Qz-PY-MO VN, 50 tca. @558.47m is 11cm solid Qz-PY-MO VN, 50 tca. @560.64m is 20mm Qz-PY-MO VN, 45 tca. @560.0m is 32mm Qz-PY-MO VN, 70 tca. @561.0m is 17mm Qz-PY-MO VN, 30 tca. @563.3m is 20mm Qz-PY-MO VN, 30 tca. @564.34m is 16mm Qz-PY-MO VN, 30 tca. @564.64m is 18mm contorted Qz-AB-MO VN, 30 tca. @555.9m is 23mm Qz-PY-BO VN, 55 tca. @566.6m is 16mm Qz-PY-MO VN, 30 tca. @567.8m is 20mm Qz-PY MO VN, 50 tca. @568.18m is Qz-PY-BO-MO VN, 40 tca. @568.36-568.51m two 20 & 24mm Qz VNs, 45 & 70 tca. @568.76m is 24mm Qz-CA-PY-MO VN, 70 tca. @568.86m is 21mm Qz-PY-MO VN, 80 tca. @569.67m is 30mm Qz-PY-Chl VN, 80 tca. @570.03m is 22mm Qz-PY-MO VN, 75 tca. @571.36m is 33mm Qz-PY VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
548.40	572.41	MASS		S

3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
548.40	572.41	-	-	VW	W	-	M	VW	VW	VW	M	M	M	

very weak CA & epidote

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
548.40	572.41	4	15	15	1	3	50

~2-4 Qz VN/m, MO strs present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
548.40	572.41	4	VLT	ST	4	MO	0.15

DI PY, PY strs & blebs present, MO strs & traces

From: 572.41 **To:** 584.61 **Litho:** MZON

Moderately greenish monzonite porphyry with up to 5-7% PY, weak epidote; also fracture controlled Qz VNs, MO 0.1-0.2%, granodiorite zones. @572.41m is 10mm CA-MO VN, 20 tca. @572.71 is 14mm distorted Qz-PY-MO VN, 40 tca. @573.56m is 17mm PY-Qz-MO VN, 70 tca. @575.5m is 20mm Qz-PY-MO VN, 30 tca. @576.08m to 576.2m is 5mm MO VN, 75 tca & 20mm Qz VN, 35 tca. @576.73m is 13mm Qz-MO VN, 70 tca. @578.12m is 32mm Qz-PY-MO VN, 60 tca. @579.27m is 44mm CA VN, 40 tca with epidote altn on edges. @579.57-580.0m Qz-AB-PY-MO zone. @580.44m is 34mm Qz-MO VN, 25 tca. @580.75-581.1m is stockwork Qz VNs with MO traces. @581.34m is 36mm Qz-PY-MO VN, 40 tca. @582.42m is 12mm Qz-PY VN 65 tca. @582.82m dispersed 30mm Qz-PY-MO VN, 30 tca. @583.24m is 13mm Qz-MO VN, 70 tca. @584.21m is 20mm Qz-PY-MO VN, 55 tca.

STRUCTURES

From	To	Struct	CA	Strain
572.41	584.61	MASS		S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
572.41	584.61	-	-	VW	W	-	M	-	VW	VW	M	M	M	

weak epidote CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
572.41	584.61	15	15	15	0.5	3	

Qz VN, MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
572.41	584.61	4	DISS	PY	4	PO	2

4-5%PY & 0.1-0.2% MO

From: 584.61 **To:** 593.13 **Litho:** HSLT

Hornfelsed siltstone & moderate greenish monzonite with PY & pyrrhotite, Qz VN, MO strs, CA VNs, breccia zones, weak MG. @585.14m is 9mm Qz-PY-BO VN, 75 tca. @586.17m is 14mm Qz-PY-MO VN, 30 tca. @586.47m is 22mm Qz-PY-MO VN, 55 tca. @586.66m is 15cm Qz-PY-PO-MO zone. @588.2m is 20mm Qz-PY MO VN, 90 tca. @588.96-540.0m stockwork Qz-PY-BO-MO VNs. @590.40-590.85m breccia with broken core. @590.85-591.4m breccia with two 30mm Qz-AB VN, 35 tca. @592.2m is 40mm CA VN 40 tca. @592.6m is 18mm CA VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
584.61	593.13	FLW		M

breccia 590.4-591.4

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
584.61	593.13	-	-	W	W	-	M	-	VW	VW	M	M	M	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
584.61	593.13	4	15	10	2	4	50

Qz-PY-MO VNs & CA VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
584.61	593.13	4	DISS	PY	3	PO	2

MO weak strs

From: 584.61 **To:** 593.13 **Litho:** HSLT

Hornfelsed siltstone & moderate greenish monzonite with PY & pyrrhotite, Qz VN, MO strs, CA VNs, breccia zones, weak MG. @585.14m is 9mm Qz-PY-BO VN, 75 tca. @586.17m is 14mm Qz-PY-MO VN, 30 tca. @586.47m is 22mm Qz-PY-MO VN, 55 tca. @586.66m is 15cm Qz-PY-PO-MO zone. @588.2m is 20mm Qz-PY MO VN, 90 tca. @588.96-540.0m stockwork Qz-PY-BO-MO VNs. @590.40-590.85m breccia with broken core. @590.85-591.4m breccia with two 30mm Qz-AB VN, 35 tca. @592.2m is 40mm CA VN 40 tca. @592.6m is 18mm CA VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 593.13 **To:** 609.60 **Litho:** HSLT

Hornfelsed siltstone mottled by Qz-PY VNs & PY strs, (up to 5 % PY), weak Chl & CA. @594.65m is 9mm Qz-PY-MO VN, 45 tca. @597.0-590.3m is 12mm CA VN along the core. @599.3-599.71m is 13mm Qz-PO VN with anastomosing veinlets. @600.44m is 44mm Qz-PY-Chl VN, 50 tca. @600.66m dispersed 52mm Qz-PO VN, 45 tca. @602.89m is14mm Qz-PY-BO VN, 45 tca. @603.35m is 40mm, 25 tca. @605.46 is Qz-PY-MO-Chl VN, 60 tca. @605.44m is 20mm Qz-PY VN, 65 tca. @606.58m is 21mm Qz-PY-MO VN, 60 tca. @606.77m is 30mm Qz-PY-MO VN, 30 tca. @607.88m contorted 14mm Qz-PY VN, 10 tca. @609.6m (2000 ft) E.O.H.

STRUCTURES

From	To	Struct	CA	Strain
593.13	609.60	FLW	50	S
	3-4% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
593.13	609.60	-	-	VW	W	-	M	-	VW	VW	W		M	
CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
593.13	609.60	6	10		1	2	50
	1-3 VN/m						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
593.13	609.60	4	VLT	PY	3	PO	1
0.1-0.15% MO							

From: 593.13 **To:** 609.60 **Litho:** HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION													
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

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Signature: ____________

CH0607

Initials: ______

From	To	Litho
0.00	6.10	OB

OVB

STRUCTURES

From	To	Struct	CA	Strain
0.00	6.10			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
6.10	40.13	AND

Andesite
Mottled looking, hematite red (maroon) in color with blotches of chloritic green alteration. Easily scratched with a knife. Cut by abundant quartz and quartz calcite veining. Pyrite is moderately abundant in veinlet form and less commonly disseminated. Moly is not common but becomes more abundant at 18.70m and 32.80-37.95m. Moly is generally present along the margins of larger veinlets or associated with AB veining. Minor magnetite.

STRUCTURES

From	To	Struct	CA	Strain
6.10	13.22	FOL	45	W

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
6.10	32.90	5	90	0	10	12	50

cm-mm scale quartz and q-cc veinlets with associated py. Moly is more abundant in creamy looking AB veining located at 18.70m; appears to be bleeding into the veining (possibly frm a fracture)

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
6.10	32.80	2	VLT	MO	0.01				

pyrite is present in veinlets and disseminated. Moly is rare with the occasional bit associated with veining. More moly is concentrated in veining around 18.70m

From	To	Litho
6.10	40.13	AND

Andesite
Mottled looking, hematite red (maroon) in color with blotches of chloritic green alteration. Easily scratched with a knife. Cut by abundant quartz and quartz calcite veining. Pyrite is moderately abundant in veinlet form and less commonly disseminated. Moly is not common but becomes more abundant at 18.70m and 32.80-37.95m. Moly is generally present along the margins of larger veinlets or associated with AB veining. Minor magnetite.

STRUCTURES

From	To	Struct	CA	Strain
13.22	13.38	FLT	20	S
two thin faults with abundant gouge at 20 and 25 dtca				
13.38	24.16	FOL	50	M
24.16	24.40	FLT	20	S
rubble and gouge				
24.40	26.26	FOL	35	M
with small ruble zones				
26.26	26.52	FLT		S
rubble with gouge coatings				
26.52	40.12	FOL	45	M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
6.10	40.13	-	-	M	-	-	-	-	VW	VW				
patchy chlorite with occasional clots of epidote. Vv patchy cc alt conc around cc veining														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
32.80	37.95	2	VLT	MO	0.1				
Mo is commonly present in and on the margins of quartz and q-cc veining									

From	To	Litho
6.10	40.13	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
40.12	40.13	CON	50	
lc				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
32.90	38.30	15	60	25	15	25	50
38.30	40.13	5	70	5	20	15	50
narrow veinlets with ocasional moly present along margins							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
37.95	40.13	1	VLT	MO	0.05				
Py veinlets and disseminated; Mo is associated with vein margins									

From	To	Litho
40.13	41.13	GDIO

Granodiorite
Medium grey in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase pheno's. Weakly foliated with chilled margins. Core is cut by narrow quartz and q-cc veinlets/filled fractures that contain chlorite; pyrite and small amounts of moly are concentrated in these. Minor magnetite.

STRUCTURES

From	To	Struct	CA	Strain
40.13	41.12	FOL	50	VW
vw-massive				
41.12	41.13	CON	60	
lc sharp				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
40.13	41.13	-	-	W	-	-	-	-	VW	-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
40.13	41.13	5	75	0	25	15	60
narrow veinlets and filled fractures							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
40.13	41.13	0.5	VLT	MO	0.01				

From	To	Litho
41.13	44.84	AND

Andesite
Dark greenish brown in color; mottled looking in appearance. Medium grained. Cut by abundant veinlets with pale green ab-sil alt halos. Veining sometimes contains py veinlets; minor magnetite and moly.

STRUCTURES

From	To	Struct	CA	Strain
41.13	44.83	FOL	55	W

50-60dtca; stronger and banded uphole becoming weaker and more eratic downhole

From	To	Struct	CA	Strain
44.83	44.84	CON	60	

lc; fairly sharp with a vein along part of the contact.

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
41.13	44.84	-	-	W	-	-	M	-	VW	VW				

Patchy chlorite alteration with occasional epidote clots. Halos of AB-sil surround veining. Cc is vein related.

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
41.13	44.84	20	80	10	10	20	45

narrow veining ranging from larger pink crystalline veins to irregular veinlets with associated mineralization and creamy pale green alteration halos (albite or silica)

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
41.13	44.84	1	VLT	MO	0.01				

pyrite in veinlets and disseminated. Minor moly is present in veining

From	To	Litho
44.84	45.77	GDIO

Granodiorite
Medium grey in color. Similar to previous granodiorite but there is less chlorite and more magnetite in fractures/veinlets. A large moly bearing vein is present from 45-45.24m.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
44.84	45.24	60	90	0	10	1	30

quartz vein with moly margins and selvages from 44.93-45.24m and also cc filled fractures

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
44.84	45.24	0.5	VLT	MO	0.1				

py is present in veinlets within the larger vein and moly is located in the margins and along the selvages of the large vein

From	To	Litho
44.84	45.77	GDIO

Granodiorite
Medium grey in color. Similar to previous granodiorite but there is less chlorite and more magnetite in fractures/veinlets. A large moly bearing vein is present from 45-45.24m.

STRUCTURES

From	To	Struct	CA	Strain
44.84	45.76	MASS		
45.76	45.77	CON	50	

lc; undulating

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
44.84	45.77	-	-	VW	-	-	-	-	VW	VW				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
45.24	45.77	5	90	0	10	4	50

discontinuous narrow quartz veining with minor q-cc veinlets

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
45.24	45.77	0.5	VLT	MO	0.01				

mineralization along fractures

From	To	Litho
45.77	46.40	AND

Andesite
Similar looking to previous andesites but mildly brecciated in appearance (caused by brittle micro faults causing offset). Minor Moly associated with pyrite.

STRUCTURES

From	To	Struct	CA	Strain
45.77	46.39	BX	65	S
46.39	46.40	CON	30	

45.77–46.39: *apparent bx caused by micro fractures at 65dtca with offset*

46.39–46.40: *lc; sharp*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
45.77	46.40	-	-	VW	-	-	W	-	VW	VW				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
45.77	46.40	5	80	0	20		

vein fragments

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
45.77	46.40	0.5	MG	MO	0.2				

pyrite is present in fragmented veinlets; moly commonly occurs near py.

From	To	Litho
45.77	46.40	AND

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
46.40	48.76	GDIO

Granodiorite
Similar looking to previous granodiorites.

STRUCTURES				
From	To	Struct	CA	Strain
46.40	48.75	MASS		
48.75	48.76	CON	60	
lc; sharp				

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
46.40	48.76	-	-	VW	-	-	-	-	W	-				

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
46.40	48.76	1	50	0	50	15	20
narrow q-cc filled fractures							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
46.40	48.76	0.01	FG						

From	To	Litho
48.76	56.10	AND

Andesite
Similar to 6.10-40.13m; maroon in color and chloritic green patches as well as epidote clots. Cut by narrow veining with alteration halos and pyrite mineralization.
Mo is rare but concentrated after 55.70m. Rare magnetite and PO.

STRUCTURES				
From	To	Struct	CA	Strain
48.76	54.70	FOL	40	W

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
48.76	56.10	-	-	W	-	-	W	-	W	W				
patchy alteration														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
48.76	56.10	15	60	20	20	10	60

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
48.76	55.70	3	VLT	MO	0.001				
py diss and veinlets									

From	To	Litho
48.76	56.10	AND

Andesite
Similar to 6.10-40.13m; maroon in color and chloritic green patches as well as epidote clots. Cut by narrow veining with alteration halos and pyrite mineralization.
Mo is rare but concentrated after 55.70m. Rare magnetite and PO.

STRUCTURES

From	To	Struct	CA	Strain
54.70	55.15	FR	60	S
rubble				
55.15	56.09	FOL	45	W
56.09	56.10	CON	40	
lc; sharp				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
55.70	56.10	5	VLT	MO	0.1	PO	0.01		
MO conc along the margin of a q-cc vein									

From	To	Litho
56.10	56.92	GDIO

Granodiorite
Similar looking to previous granodiorite intervals.

STRUCTURES

From	To	Struct	CA	Strain
56.10	56.91	MAS		S
56.91	56.92	CON	20	
lc; sharp				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
56.10	56.92	-	-	VW	-	-	-	-	W	VW				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
56.10	56.92	2	60	0	40	20	60
narrow veinlets/filled fractures							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
56.10	56.92	1	DISS	MO	0.05				
py diss and along fractures; minor MO diss along fractures									

Initials: ________

From	To	Litho
56.92	59.37	AND

Andesite
Similar to previous andesite but with increased mineralization.

STRUCTURES

From	To	Struct	CA	Strain
56.92	59.36	FOL	50	W
59.36	59.37	CON	40	

lc; sharp with semi-massive py along contact.

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
56.92	59.37	-	-	W	-	-	W	-	W	VW				

patchy

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
56.92	59.37	10	60	15	25	12	60

moly commonly at vein margins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
56.92	59.37	5	VLT	MO	0.1				

moly along vein margins; py veinlets and diss

From	To	Litho
59.37	78.50	GDIO

Granodiorite
Similar to previous granodiorites with 15% plagioclase pheno's; but with rare veining and mineralization no foliation and only patchy cc alteration. Weakly magnetic. Contacts have finer grained groundmass and upper contact is bleached in appearance with increased py.

STRUCTURES

From	To	Struct	CA	Strain
59.37	77.00	MASS		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
59.37	78.50	-	-	-	-	-	-	-	VW	-				

weak patchy cc alt

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
59.37	78.50	0.5	50	0	50	5	15

q-cc filled fractures; concentration increases towards lc

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
59.37	60.70	1	DISS						
60.70	78.50	0.01	DISS						

From	To	Litho
59.37	78.50	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
77.00	78.49	FR		
core is more fractured with zones of minor rubble				
78.49	78.50	CON	10	
lc; sharp; chilled margins				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
78.50	80.30	AND

Andesite
Similar to previous andesites but coarser grained in appearance. Quartz vein from 80.10-80.30m with moly mineralization in septa.

STRUCTURES

From	To	Struct	CA	Strain
78.50	80.29	FOL	30	W
w-no fol; cut by veining and healed fractures				
80.29	80.30	CON		
lc; irregular				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
78.50	80.30	-	-	-	-	-	VW	-	VW	VW				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
78.50	80.10	8	50	10	40	15	50
80.10	80.30	80	90	0	10	1	50
large q vein with moly in septa and margins							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
78.50	80.10	5	VLT	MO	0.01				
80.10	80.30	5	VLT	MO	0.1				
min associated with septa in vein									

From	To	Litho
80.30	85.30	GDIO

Granodiorite
Medium grey. Finer grained groundmass than previous intervals of granodiorite. 15% plagioclase pheno's are still present. Weakly magnetic with diss mt.

STRUCTURES

From	To	Struct	CA	Strain
80.30	85.29	FR	25	M
abundant open joints				
85.29	85.30	CON	40	
lc; irregular				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
80.30	85.30	-	-	VW	-	-	-	-	W	-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
80.30	85.30	1	50	0	50	15	40
narrow healed joints at 40 and 25dtca							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
80.30	85.30	0.1	DISS						

From	To	Litho
85.30	93.05	AND

Andesite
Same as previous andesite.

STRUCTURES

From	To	Struct	CA	Strain
85.30	93.04	FOL	55	VW
vw-no fol x-cut by abundant veining giving a slight brecciated appearance				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
85.30	93.05	-	-	W	-	W	-	-	W	W				
weak to moderate patchy alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
85.30	93.05	20	70	20	10	25	65
narrow veinlets with alteration halos; larger quartz vein with MO min at 90.28-90.46m							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
85.30	90.25	8	VLT	MO	0.01				
py veinlets and diss; minor moly in veinlets									

From	To	Litho
85.30	93.05	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
93.04	93.05	CON	20	

lc

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
90.25	90.53	8	CG	MO	0.1				
90.53	93.05	5	VLT	MO	0.01				

Mo present on margins and in septa of larger q vein (90.25–90.53)

From	To	Litho
93.05	100.01	QFP

Quartz Feldspar Porpyry/Granodiorite
Mixed unit of granodiorite with variable groundmasses and larger plagioclase phenos alternating with quartz feldspar porphyry's with a fine grained groundmass.
Units average 1-1.5 m in length and contacts are sharp.
93.05-95.58m Granodiorite or QFP with a dark grey; fine grained groundmass
95.58-96.23 Raft of andesite; low angle irregular contacts
96.23-96.83m Granodiorite; equigranular; medium grained and medium grey
96.83-97.51m Granodiorite with a dark grey; fine to medium grained groundmass and abundant plag phenos
97.51-99m Granodiorite or QFP with a dark grey fine groundmass
99-100.01m Granodiorite equigranular; medium grained and medium grey

STRUCTURES

From	To	Struct	CA	Strain
93.05	95.57	MASS		
95.57	95.58	CON	10	
95.58	96.22	FOL		

contact with andesite raft; undulating (95.57–95.58)

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
93.05	95.58	-	-	-	-	-	-	-	-	-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
93.05	95.58	0					

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
93.05	95.58	0.1	FG						

From	To	Litho
93.05	100.01	QFP

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
96.22	96.23	CON	70	
lc with andesite raft				
96.23	96.82	MASS		
96.82	96.83	CON	30	
96.83	97.50	MASS		
97.50	97.51	CON	40	
97.51	98.99	MASS		
98.99	99.00	CON	15	
99.00	100.00	MASS		
100.00	100.01	CON	45	

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
95.58	96.23	-	-	W	-	-	-	-	-	W				
andesite raft														
96.23	100.01	-	-	-	-	-	-	-	VW	-				
w cc alt picking up downhole														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
95.58	96.23	10	90	5	5	3	
96.23	100.01	2	20	0	80		
irregular cc filled fractures increasing downhole							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
95.58	96.23	3	MG	MO	0.5				
moly is disseminated in an epidote rich vein									
96.23	97.51	2	MG						
97.51	99.00	0.1	FG						
99.00	100.01	1	DISS						

From	To	Litho
100.01	**154.89**	**AND**

Andesite
Same as previous intervals.
Zones of increased alteration-mineralization and veining are located at:
111.86-115.47m; 132.22-140.46m; 143.80-154.89m

A small dark grey granodiorite dyke is located at 108.97-109.33m with contacts at 50dtca.

STRUCTURES

From	To	Struct	CA	Strain
100.01	111.86	FOL	40	M
111.86	114.75	BX	40	S
Healed breccia; minor rubble with gouge at 5dtca				
114.75	134.06	FOL	45	M
40-50dca				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
100.01	111.86	-	-	W	-	-	W	-	-	W				
111.86	115.47	-	-	W	-	-	S	-	W	W				
increased alt halos with associated increased veining														
115.47	132.22	-	-	W	-	-	W	-	VW	W				
patchy stronger areas														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
100.01	111.86	10	85	13	2	15	50
commonly narrow q veinlets with moly margins							
111.86	115.61	20	70	15	15	25	30
core is x-cut by variable veining							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
100.01	115.61	5	VLT	MO	0.1				
Mo 0.05-0.1%; generally occuring on vein margins									

From	To	Litho
100.01	154.89	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
134.06	141.57	BX	45	S
variably brecciated				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
132.22	140.46	-	-	W	-	-	S	-	M	W				
brecciated in appearance														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
115.61	134.00	10	80	10	5	12	40
variable veining; commonly sugary in appearance							
134.00	140.46	20	70	15	15	25	40
core is x-cut by variable veining; commonly sugary in appearance							
140.46	141.26	5	70	0	30	3	40

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
115.61	124.10	2	VLT	MO	0.05				
patchy and irregular									
124.10	132.22	5	VLT	MO	0.1				
Mo 0.05-0.1%; vein margins									
132.22	141.25	8	VLT	MO	0.1				
Mo 0.05-0.1%; disseminated and in vein margins									

From	To	Litho
100.01	154.89	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
141.57	142.08	FLT	50	VS
	milled looking with abundant gouge surrounding rounded fragments			
142.08	154.88	FOL	40	S
	strong fol around 40-45dtca with variable zones of apparent bx			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
140.46	143.80	-	-	VW	-	-	-	-	S	-				
	Gradational contacts; strong cc in center of interval													

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
141.26	141.36	80	10	0	90	1	60
	vuggy with prismatic crystals and py; po; mo mineralization as well as a grey botryoidal nonmagnetic metallic hard mineral.						
141.36	143.00	3	30	0	70	8	50

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
141.25	141.36	5	MG	MO	0.1	PO	5		
	py; po; mo mineralization as well as 8% grey botryoidal nonmagnetic metallic hard mineral; polishes to silver colored. Located in a vuggy prismatic cc vein.								
141.36	143.80	1	VLT	MO	0.05				

From	To	Litho
100.01	154.89	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
154.88	154.89	CON	55	
lc; sharp				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
143.80	154.89	-	-	W	-	-	M	-	W	W				
alternates between strong and moderate alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
143.00	152.23	10	70	10	20	12	30
x-cut by variable veining with variable moly min.							
152.23	154.89	20	70	20	10	15	
x-cut by variable veining now with larger pink quartz moly bearing veining							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
143.80	150.41	5	VLT	MO	0.1				
Mo 0.05-0.1 present along vein margins									
150.41	154.89	7	VLT	MO	0.1				
Mo 0.1-0.2 in vein margins									

From	To	Litho
154.89	158.26	GDIO

Granodiorite/Granite
Pale greyish pink. Anhedral plagioclase phenos are surrounded by a pale pink fg groundmass. Weaky to non-magnetic.Weak foliation and disseminated py.

STRUCTURES

From	To	Struct	CA	Strain
154.89	158.25	FOL	45	VW
40-50dtca				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
154.89	158.26	GDIO

Granodiorite/Granite
Pale greyish pink. Anhedral plagioclase phenos are surrounded by a pale pink fg groundmass. Weaky to non-magnetic.Weak foliation and disseminated py.

STRUCTURES

From	To	Struct	CA	Strain
158.25	158.26	CON	55	
		lc		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
154.89	158.26	-	-	VW	-	-	-	-	W	-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
154.89	158.26	1	20	0	80	3	20

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
154.89	158.26	0.5	DISS						

From	To	Litho
158.26	174.40	AND

Andesite
Same as previous.

STRUCTURES

From	To	Struct	CA	Strain
158.26	161.33	FOL	45	W
		weak fol and a slight bx texture		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
158.26	160.53	-	-	W	-	-	M	-	W	W				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
158.26	170.04	5	80	5	15	7	40
	also abundant py +- Mo filled veinlets						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
158.26	174.40	5	VLT	MO	0.1				
	pyrite from 5-7% in veinlets and disseminated; MO ranges from .05-.2% over short distances. Commonly along vein margins but also diss in veining								

 Initials: ________

From	To	Litho
158.26	174.40	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
161.33	161.86	FLT	10	S
partially healed faut; minor gouge				
161.86	174.39	FOL	40	M
w-m fol from 35-40dtca				
174.39	174.40	CON	50	
lc; sharp				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
160.53	172.64	-	-	VW	-	-	W	-	W	W				
patchy alteration; weak sil alt between 163-164m														
172.64	174.40	-	-	M	-	-	M	-	W	M				
pale green														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
170.04	174.40	8	80	5	10	5	50
includes 8cm wide quartz vein around 174m and there are also abundant py +- Mo filled veinlets							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
174.40	178.61	GDIO

Granodiorite
Medium grey in color. Medium grained groundmass with subheudral plag pheno's. Weakly magnetic and weakly foliated with faulting located from 176.07-178.61m.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
174.40	**178.61**	**GDIO**

Granodiorite
Medium grey in color. Medium grained groundmass with subheudral plag pheno's. Weakly magnetic and weakly foliated with faulting located from 176.07-178.61m.

STRUCTURES

From	To	Struct	CA	Strain
174.40	176.70	FOL	50	VW
176.70	178.60	FLT		S
		rubble zone; likely low angle.		
178.60	178.61	CON	60	
		lc		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
174.40	176.07	-	-	-	-	-	-	-	-	-				
176.07	178.61	-	-	VW	-	-	-	-	M	-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
174.40	178.61	0.5	20	0	80	3	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
174.40	178.61	0.1	FG						

From	To	Litho
178.61	**188.09**	**AND**

Andesite
Same as previous.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
178.61	181.40	-	-	M	-	-	VW	-	VW	W				
greenish														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
178.61	180.60	5	VLT	MO	0.05				

 Initials: ________

From	To	Litho
178.61	188.09	AND

Andesite
Same as previous.

STRUCTURES

From	To	Struct	CA	Strain
178.61	183.10	FOL	40	W
w-m fol				
183.10	185.40	FLT	10	S
narrow low angle flt with gouge; undulating // tca				
185.40	188.08	FOL	50	VW
188.08	188.09	CON	50	
lc; broken core at contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
181.40	188.09	-	-	W	-	-	VW	-	VW	W				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
178.61	183.10	10	60	0	40	10	40
small random cc veinlets common at the top of interval							
183.10	186.11	25	70	0	30		
dominantly fragmented veining caught up in faulted area							
186.11	188.09	10	80	10	10	14	60
white veining with chl and py +- mo min							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
180.60	181.40	7	VLT	MO	0.4				
Mo in vein margins and septa									
181.40	188.09	3	VLT	MO	0.1				

From	To	Litho
188.09	192.17	GDIO

Granodiorite
Similar to previous but with more abundant plag phenos.
Large coarse grained q-carb veins are present at 189.67-190.08m with contacts at 60dtca and veining at 191.68-191.82 with contacts at 40 and 50dtca.

STRUCTURES

From	To	Struct	CA	Strain
188.09	192.16	FOL	50	VW
192.16	192.17	CON	40	
		lc		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
188.09	192.17	-	-	-	-	-	-	-	VW	-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
188.09	189.67	0.5	20	0	60	3	10
189.67	190.80	98	30	0	70	1	60
	coarse grained q-carb						
190.80	191.68	0.5	20	0	80	3	20
191.68	191.82	100	30	0	70	1	45
	40 and 50dtca						
191.82	192.17	5	30	0	70	1	50

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
188.09	192.17	0.5	FG						

From	To	Litho
192.17	198.06	AND

Andesite
Similar to previous but becoming lighter in color and more silaceous looking. Abundant moly in small regular quartz veinlets
Small zone of unaltered-unmineralized grandiorite is located from 192.82-193.07m.

STRUCTURES

From	To	Struct	CA	Strain
192.17	192.81	FOL	50	VW

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
192.17	198.06	AND

Andesite
Similar to previous but becoming lighter in color and more silaceous looking. Abundant moly in small regular quartz veinlets
Small zone of unaltered-unmineralized grandiorite is located from 192.82-193.07m.

STRUCTURES

From	To	Struct	CA	Strain
192.81	192.82	CON	60	
uc with gdio				
192.82	193.06	MASS		
193.06	193.07	CON	60	
lc of gdio				
193.07	198.05	FOL	40	VW
35-40dta				
198.05	198.06	CON	80	
lc; with a vein containing moly				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
192.17	198.06	-	-	VW	W	-	-	-	VW	-				

Paler in color than before; gdio unaltered

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
192.17	198.06	10	95	0	5	12	40

narrow (<1cm wide) white q veinlets with abundant moly at margins; not located in gdio

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
192.17	198.06	5	DISS	MO	0.5				

py diss and veinlets; moly is located on the margins of most veinlets; not in gdio

From	To	Litho
198.06	201.31	GDIO

Granodiorite
Multiple pulses; some are similar to the previous granodiorite the other (198.94-199.73m) is more similar to the pale pink granodiorite/granite from 154.89-158.26m. A 15cm raft of andesite is locate until 199.88m. The main granodiorite has chilled margins.

STRUCTURES

From	To	Struct	CA	Strain
198.06	198.93	MASS		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
198.06	201.31	GDIO

Granodiorite
Multiple pulses; some are similar to the previous granodiorite the other (198.94-199.73m) is more similar to the pale pink granodiorite/granite from 154.89-158.26m. A 15cm raft of andesite is locate until 199.88m. The main granodiorite has chilled margins.

STRUCTURES

From	To	Struct	CA	Strain
198.93	198.94	CON	50	
chilled margins on upper more mafic intrusive				
198.94	199.73	MASS		
paler granodiorite/granite				
199.73	199.74	CON	10	
irregular				
199.74	199.87	FOL		
fol on andesite raft				
199.87	199.88	CON	70	
199.88	201.30	MASS		
201.30	201.31	CON	40	-
chilled margin				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
198.06	201.31	-	-	VW	-	-	-	-	W	-				
andesitic raft is more altered														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
198.06	199.60	1	20	0	80	5	30
199.60	200.10	20	80	0	20	4	50
vein in andesite contains moly							
200.10	201.31	1	50	0	50		

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
198.06	201.31	0.5	DISS	MO	0.01				
conc in andesite raft									

From	To	Litho
201.31	236.15	AND

Andesite
Similar to previous intervals. This unit alternates between the darker mottled red (maroon) and greenish andesite with a pale grey-pink more siliceous looking bleached andesite with spots of reddish-brown mica. Moly mineralization is abundant through the unit; commonly in narrow veinlets rimmed with moly; in the bleached areas with stronger foliation moly is sometimes disseminated and py is less abundant. The paler bleached intervals with stronger strain are located between 220.33-232.65m.

STRUCTURES

From	To	Struct	CA	Strain
201.31	202.00	FOL	35	VW
202.00	202.95	FLT		S
abundant rubble; possiby low angle				
202.95	216.77	FOL	50	W
40-60dtca foliation				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
201.31	206.10	-	-	VW	W	-	-	-	VW	-				
medium to pale in color														
206.10	209.20	-	-	M	-	-	-	-	W	-				
darker and softer; chl and cc gradually becoming less strong after 207.21m														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
201.31	205.90	8	90	0	10	12	40
narrow white-creamy quartz veining with moly							
205.90	209.20	10	50	0	50	12	50
white q-cc and q veining							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
201.31	208.40	7	DISS	MO	0.2				
5-10% py; py diss and in veinlets; moly in veinet margins; upto 0.5 moly near uc next to gdio.									

From	To	Litho
201.31	236.15	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
216.77	218.00	BX	20	S
Brecciated in appearance with small spaced zones of faulting with minor gouge and rubble. At 20-70dtca.				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
209.20	216.72	-	-	-	VW	-	-	-	-	-				W
possible lilac sericite whisps														
216.72	220.33	-	-	-	W	-	-	-	-	-				W
becoming paler														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
209.20	215.49	5	95	0	5	15	50
white and semi-translucent q and q-cc veining Most q veining contains mol at the margins							
215.49	226.87	10	95	0	5	15	50
white and semi-translucent q and q-cc veining Most q veining contains mol at the margins							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
208.40	209.97	10	DISS	MO	0.1				
abundant diss py; moly is less noticable									
209.97	220.33	15	DISS	MO	0.5				
10-20 diss py; also in veinlets; moly is located at vein margins									

From	To	Litho
201.31	236.15	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
218.00	236.14	FOL	50	M

weak to moderate foliation from 40-65dtca over short distances but most commonly at 50dtca; foliation is moderate in bleached strongly altered areas and weak to moderate in darker less altered areas

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
220.33	225.50	-	-	-	M	-	-	-	-	-	W			-
225.50	226.50	-	-	-	S	-	-	-	-	-	W			
226.50	230.52	-	-	-	M	-	-	-	-	-	W			

220.33–225.50: *medium to pale grey in color with reddish brown mica spots*

225.50–226.50: *strongy bleached to pale pink color spotted with reddish brown mica blebs; core is still lightly scratchable*

226.50–230.52: *medium grey in color*

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
226.87	236.15	12	90	0	10	15	50

10-15% veining; same as previous but now with occasional larger sugary white veining

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
220.33	232.65	4	DISS	MO	0.1				

1-5% py; 0.1-0.2 Mo is commonly disseminated through host rock as well as in veining; it may be more abundant than this and just not as obvious since it is diss.

From	To	Litho
201.31	236.15	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
236.14	236.15	CON	50	

lc; sharp

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
230.52	232.65	-	-	-	S	-	-	-	-	-	W			
232.65	236.15	-	-	-	W	-	-	-	-	-				

230.52–232.65: *strongly bleached to a pale pink color and spotted with reddish brown mica blebs*

232.65–236.15: *medium to dark grey in color; becoming darker downhole*

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
232.65	236.15	7	DISS	MO	0.2				

7-10% diss py; sometimes in veinlet form. Mo is concentrated in veining and along vein margins.

From	To	Litho
236.15	243.22	GDIO

Tombstone granodiorite with sharp upper and lower contacts. Both contacts exhibit a >30cm fine grained, dark grey, weakly foliated chill margin. The main body of the granodiorite is a grey coloured, fine grained groundmass rock with 1-15% plagioclase feldspar phenocrysts t/o and 5% mm sized biotite t/o. The core is weakly mineralized with pyrite and pyrrhotite. A large 52cm off-white qtz vein is observed between 239.80 - 240.3m. Veining t/o the granodiorite is rare overall. The granodiorite is unaltered fresh looking rock.

STRUCTURES

From	To	Struct	CA	Strain
236.15	236.16	CON	50	

sharp upper contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
236.15	243.22	-	-	-	-	-	-	-	-	-				

unaltered tombstone granodiorite

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
236.15	239.80	0.01	50	0	50	2	35

very rarely observed mm scale qtz carb veinlets

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
236.15	239.80	0.01	DISS	PO	0.1				

very weak disseminated FG pyrite with MG clots of disseminated pyrrhotite

From	To	Litho
236.15	243.22	GDIO

Tombstone granodiorite with sharp upper and lower contacts. Both contacts exhibit a >30cm fine grained, dark grey, weakly foliated chill margin. The main body of the granodiorite is a grey coloured, fine grained groundmass rock with 1-15% plagioclase feldspar phenocrysts t/o and 5% mm sized biotite t/o. The core is weakly mineralized with pyrite and pyrrhotite. A large 52cm off-white qtz vein is observed between 239.80 - 240.3m. Veining t/o the granodiorite is rare overall. The granodiorite is unaltered fresh looking rock.

STRUCTURES

From	To	Struct	CA	Strain
236.16	243.21	FOL	60	VW
very weak foliation strain observed within the GD				
243.21	243.22	CON	50	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
239.80	240.32	100	100	0	0	1	70
a large 52cm offwhite qtz vein							
240.32	243.22	0.01	50	0	50	2	35
very rarely observed mm scale qtz carb veinlets							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
239.80	240.32	0.1	DISS	MO	0.01				
very weak disseminated pyrite within vein; extremely rare moly observed as specks within the vein									
240.32	243.22	0.01	DISS	PO	0.1				
very weak disseminated FG pyrite with MG clots of disseminated pyrrhotite									

From	To	Litho
243.22	287.12	AND

This lengthy interval of andesite has been mildly confusing in that it is believed to be Andesite, however, there are characterisitcs that suggest sediment. The core visually looks like the andesite encountered at the top of the hole, with the mottled, maroon and green texture, but at the same time the core here exhibits a moderate strain foliation that seems to meld the core into a dark brown, fine grained hard and competent rock, suggestive of a sediment. Here it will be referred to as an adesite as the observation of what appears to porphyritic textures, outweighs the sediment theory.

The rock undergoes varying strengths of strain throughout from weak to weak - moderate to moderate and often these differences in strain collerate to differences in alteration of that particular zone. Two areas of moderate brecciation are observed btwn 255.02 - 255.37m and 256.17 - 256.65m. The lower contact is a gradational, yet sharp contact and is an arbitrary contact based upon texture of the underlain interval of core. As stated in the early part of the notes this interval is believed to be andesite, however, it may very well be a sediment.

The core overall is a dark brown colour, fine grained to medium grained in localized zones; the medium grained zones appear to exhibit more of a porphyritic texture (possible andesite poprhyry?) with noted mm blebs of aligned pinkish red phenocrysts. As much the core exhibits a dark brown colour, it also has a mottled green maroon patchy coloured texture to it (this patchy green maroon coloured texture is observed best in the weaker strained portions of the core). Alteration throughout the unit is on average biotite/chlorite/weak epidote/weak pyrite/ and varying strengths of silica. Veining is dominantly parallel qtz veining t/o with minor veinlets of qtz anastomosing over the core surface in varying orientations. The veining has three preferred vein set zones; one zone of larger cm scale veining alternating, another zone of the parallel foliation veining and the third is a zone of stockwork veining (associated with increase in chlorite alteration). The larger cm scale veining and the stockwork veining are often providing more of a brecciation to that core interval.

Mineralization is quite good in this interval. Moly is observed in nearly every vein throughout the entire interval length. Moly is observed in just about every micro fracture and in rare instances, moly is observed disseminated throughout the core; i.e. 243.22 - 247.35m and 250.24 - 250.66m. Pyrite is common throughout and dominantly disseminated FG pyrite with pyrrhotite very common and associated with magnetite (disseminated and crystals within veining). Chalcopyrite, though observed within the qtz veining, is very rare.

STRUCTURES

From	To	Struct	CA	Strain
243.22	243.23	CON	50	

sharp upper contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
243.22	243.62	-	-	-	W	-	M	-	-	-	M			

weakly siliceous, and most likely propylitic alteration as the reddish hue is hematitic, there is very weak chlorite alteration along fracturing and qtz carb veining is observed

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
243.22	247.35	1.5	DISS	PO	0.1	MO	0.4		

this more siliceous and pinkish coloured altered zone exhibits aligned disseminated pyrite flecks t/o; 1-2% with minor disseminated PO; Moly observed here is within micro fractures, mm scale veining and disseminated within siliceous core

From	To	Litho
243.22	287.12	AND

This lengthy interval of andesite has been mildly confusing in that it is believed to be Andesite, however, there are characterisitcs that suggest sediment. The core visually looks like the andesite encountered at the top of the hole, with the mottled, maroon and green texture, but at the same time the core here exhibits a moderate strain foliation that seems to meld the core into a dark brown, fine grained hard and competent rock, suggestive of a sediment. Here it will be referred to as an adesite as the observation of what appears to porphyritic textures, outweighs the sediment theory.

The rock undergoes varying strengths of strain throughout from weak to weak - moderate to moderate and often these differences in strain collerate to differences in alteration of that particular zone. Two areas of moderate brecciation are observed btwn 255.02 - 255.37m and 256.17 - 256.65m. The lower contact is a gradational, yet sharp contact and is an arbitrary contact based upon texture of the underlain interval of core. As stated in the early part of the notes this interval is believed to be andesite, however, it may very well be a sediment.

The core overall is a dark brown colour, fine grained to medium grained in localized zones; the medium grained zones appear to exhibit more of a porphyritic texture (possible andesite poprhyry?) with noted mm blebs of aligned pinkish red phenocrysts. As much the core exhibits a dark brown colour, it also has a mottled green maroon patchy coloured texture to it (this patchy green maroon coloured texture is observed best in the weaker strained portions of the core). Alteration throughout the unit is on average biotite/chlorite/weak epidote/weak pyrite/ and varying strengths of silica. Veining is dominantly parallel qtz veining t/o with minor veinlets of qtz anastomosing over the core surface in varying orientations. The veining has three preferred vein set zones; one zone of larger cm scale veining alternating, another zone of the parallel foliation veining and the third is a zone of stockwork veining (associated with increase in chlorite alteration). The larger cm scale veining and the stockwork veining are often providing more of a brecciation to that core interval.

Mineralization is quite good in this interval. Moly is observed in nearly every vein throughout the entire interval length. Moly is observed in just about every micro fracture and in rare instances, moly is observed disseminated throughout the core; i.e. 243.22 - 247.35m and 250.24 - 250.66m. Pyrite is common throughout and dominantly disseminated FG pyrite with pyrrhotite very common and associated with magnetite (disseminated and crystals within veining). Chalcopyrite, though observed within the qtz veining, is very rare.

STRUCTURES

From	To	Struct	CA	Strain
243.23	247.26	FOL	50	W

weak strain foliation t/o

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
243.62	247.26	-	-	-	M	-	W	-	-	-				

moderate to strong silica alteration t/o with weak propylitic alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
243.22	255.02	2	98	0	2	6	50

parallel foliation qtz veining is dominant here; mostly mm scale veins with rare larger cm scale qtz veins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
243.22	287.12	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
247.26	255.02	FOL	50	M

weak to moderate strain foliation t/o

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
247.26	255.02	-	-	-	W	-	M	-	-	-	M			

weakly siliceous and moderate propylitic alteration with biotite and very weak chlorite

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
247.35	250.24	2	DISS	PO	1	MO	0.2		
250.24	250.66	1.5	DISS	PO	0.1	MO	0.4		
250.66	255.02	2	DISS	PO	1	MO	0.2		

247.35–250.24: *2% disseminated pyrite aligned along foliation with up to 1% disseminated pyrrhotite t/o' Moly here is not within the body of the rock, instead the moly observed is within microfractures, mm scale veinlets and along selvages of larger veins; chalcopyrite is trace*

250.24–250.66: *this more siliceous and pinkish coloured altered zone exhibits aligned disseminated pyrite flecks t/o; 1-2% with minor disseminated PO; Moly observed here is within micro fractures, mm scale veining and disseminated within siliceous core*

250.66–255.02: *2% disseminated pyrite aligned along foliation with up to 1% disseminated pyrrhotite t/o' Moly here is not within the body of the rock, instead the moly observed is within microfractures, mm scale veinlets and along selvages of larger veins; chalcopyrite is trace*

From	To	Litho
243.22	287.12	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
255.02	255.37	BX		M
a mod to strongly brecciated, veined, mineralized and altered interval				
255.37	256.17	FOL	45	VW
very weak strain foliation t/o				
256.17	256.65	BX		M
mo to strongly brecciated, veined, mineralized and altered interval				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
255.02	255.37	-	-	M	M	-	-	-	-	W			M	
moderately chlorite altered with minor epidote; silica altered t/o as well with pyrite														
255.37	256.17	-	-	-	W	-	M	-	-	-	M			
weakly siliceous and moderate propylitic alteration with biotite and very weak chlorite														
256.17	256.65	-	-	M	M	-	-	-	-	W			M	
moderately chlorite altered with minor epidote; silica altered t/o as well with pyrite														
256.65	258.60	-	-	-	W	-	M	-	-	-	M			
weakly siliceous and moderate propylitic alteration with biotite and very weak chlorite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
255.02	255.37	5	100	0	0	4	60
cm scale veining is dominant here w/ anastomosing mm scale veins stockwork t/o brecciating the core							
255.37	256.17	0.5	100	0	0	2	30
rare cm scale qtz veins 30 t.c.a. with minor mm scale hairline veinlets t/o							
256.17	256.65	5	100	0	0	4	65
cm scale veining is dominant here w/ anastomosing mm scale veins stockwork t/o brecciating the core							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
255.02	255.37	4	MS	PO	1	MO	0.01		
3-4% massive blebs of FG pyrite t/o brecciated core zone; pyrite within veins and within rock; Pyrrhotite is stronger here and observed more regularly within the veining only (also associated with minor magnetite); chalcopyrite is trace within the veining; moly here is very weakly observed within and along veining									
255.37	256.17	3	MS	PO	1	MO	0.2		
2-3% massive blebs of FG pyrite with minor disseminated pyrite; pyrrhotite remains strong with magnetite and moly increases within microfractures and mm scale veining									
256.17	256.65	4	MS	PO	1	MO	0.01		
3-4% massive blebs of FG pyrite t/o brecciated core zone; pyrite within veins and within rock; Pyrrhotite is stronger here and observed more regularly within the veining only (also associated with minor magnetite); chalcopyrite is trace within the veining; moly here is very weakly observed within and along veining									

From	To	Litho
243.22	287.12	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
256.65	273.00	FOL	40	M

weak to moderate strain foliation

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
258.60	262.90	-	-	W	W	-	M	-	-	W	W		W	
262.90	276.45	-	-	W	M	-	M	-	-	VW	M			

258.60–262.90: *mottled looking andesite with chlorite/biotite/silica alteration*

262.90–276.45: *moderately siliceous mottled andesite sequence with dark brown colour (BIO), weak chlorite/epidote*

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
256.65	276.45	5	98	0	2	4	70

dominant vein set here are the larger cm scale qtz vein with minor carbonate (dolomite?); smaller mm scale veinlets are observed t/o

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
256.65	270.06	2.5	DISS	PO	1.2	MO	0.1		

2-3% disseminated FG pyrite with massive blebs of pyrite common t/o the core and the veining; pyrrhotite has increased in this area to 1.5-2% t/o and remains associated with magnetite; magnetite assumed in body of core and observed as massive blebs in veining. Moly here is weaker than previous intervals and observed within veining, fractures and along selvages; chalcopyrite observed in veinin gthough trace t/o

From	To	Litho
243.22	287.12	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
273.00	285.25	FOL	50	M
moderate strain foliation t/o with minor brecciation				
285.25	287.11	FOL	30	M
moderate strain foliation with some mild brecciation near lower contact				
287.11	287.12	CON	30	
gradational lower contact (see notes)				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
276.45	287.12	-	-	M	M	-	W	-	-	W	M			
the lower end sequence is moderately to strongly siliceous (possible albite) with a strained foliation masking the mottled green/maroon andesite into a laminated pattern of lighter colours; biotite/chlorite/epidote and silica alteration t/o														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
276.45	287.12	2	100	0	0	4	50
dominant vein set here is a 7mm scale parallel foliation qtz vein; minor hairline veinlets in this sequence							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
270.06	287.12	2.5	DISS	PO	1.5	MO	0.3		
2-3% disseminated pyrite with semi massive pyrite in blebs t/o; PO remains moderate t/o disseminated; moly picks up again to about 0.3% -0.4% throughout veining; CP is trace in veining									

From	To	Litho
287.12	309.49	HSLT

This interval of hornfelsed metasiltstone is visually different than the uphole described andesite. Difficulty in naming the previous interval of andesite was overcome when logging this sequence, as this interval is most definitely metaseds. The core is fine grained, dark brown, moderately foliated with sharp lower contact and relatively distinct upper contact. The core no longer has the mottled appearance, instead has a laminated look with alternating dark brown and pink brown foliation fabric alteration lamina of sediment. The alteration throughout the interval is hornfelsed biotite and silica with rare chlorite. Veining in this sequence of core is weak with mm scale qtz/carb veins parallel foliation, rare cm scale qtz veins orthogonal t.c.a.; common ptygmatic qtz veining and rare anastomosing hairline qtz veinlets with varying orientations across core. Mineralization is PY+PO+MO throughout with pyrrhotite the dominant sulphide. Pyrite and pyrrhotite are both present as veinlets t/o. Moly observed is mostly within the foliation fractures and the mm scale veining.

STRUCTURES

From	To	Struct	CA	Strain
287.12	287.13	CON	30	
sharp but gradational upper contact				
287.13	299.18	FOL	40	M
moderate strain foliation t/o metaseds				
299.18	299.44	MASS		
massive 26cm granodiorite dyke				
299.44	306.49	FOL	45	M
moderate strain foliation t/o metaseds				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
287.12	309.49	-	-	VW	M	-	-	-	W	-	M			
hornfelsed biotite and silica and carbonate altered metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
287.12	309.49	2	98	0	2	9	40
dominantly vein here are the foliation parallel qtz vein and qtz/carb vein; t/o the interval we observe many ptygmatic folded veins with an axis parallel to regional foliation or at least this foliation giving fabric to the rock; minor veinlets with varying orientations are less common as well as larger cm scale veining.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
287.12	309.49	1	VLT	PO	1.5	MO	0.2		
pyrite is observed throughout and commonly as veinlets along foliation and to a lesser degree, as flecks within veining; pyrrhotite is more abundant than pyrite and commonly as veinlets along foliation as well as semi massive blebs within veining; moly in the sediments is present as selvages to veins (but not all) and more commonly as infill to fractures									

From	To	Litho
287.12	309.49	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
306.49	307.11	FLT		
strongly corridor of messed metaseds; looks faulted and is very gougey and soft				
307.11	309.48	FOL	40	M
moderately strained metaseds				
309.48	309.49	CON	30	
sharp lower contact				

From	To	Litho
309.49	316.84	QFP

A lengthy, massive, weakly to moderately foliated QFP dyke. The core is chlorite and carbonate altered, fine grained, yellow green coloured dyke with sharp upper and lower contacts. No veining observed. Mineralization is weak disseminated Pyrite.

STRUCTURES

From	To	Struct	CA	Strain
309.49	309.50	CON	30	
sharp upper contact				
309.50	316.83	FOL	45	
massive fine grained light yellow greenish QFP dyke				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
309.49	316.84	-	-	M	-	-	-	-	W	-				

weak pervasive calcite alteration; and suspected chlorite and sericite from the colouring and the fact that the core is weakly rotten

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
309.49	316.84	0	0	0	0	0	0

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
309.49	316.84	0.1	DISS						

weakly disseminated pyrite t/o

From	To	Litho
309.49	316.84	QFP

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
316.83	316.84	CON	30	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
316.84	364.64	HSLT

Hornfelsed siltstone
Brownish grey in color with a hint of red. Laminated/banded in appearance. Core is cut by abundant mm scale boudined veinlets that run parallel to foliation; ptygmatic veinlets are present throughout the core. Small creamy looking halos of silica/ab are sometimes present around veining. Abundant py; po and mo are present at the beginning of the interval becoming less common down interval.

STRUCTURES

From	To	Struct	CA	Strain
316.84	323.20	FOL	45	W

40-50dtca; becoming stronger downhole

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
316.84	364.64	-	-	VW	W	-	-	-	VW	-	W			

medium brown-grey in color with hints of red and creamy looking sil-ab alteration halos around some veining.

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
316.84	364.64	8	90	0	10		30

veining ranges from the most abundant mm scale foliation parallel quartz and q-cc veinlets which are commonly boudined; larger coarser grained irregular looking quartz cc veins that are upto 15cm wide and mm-cm scale pale grey ptygmatic veinlets. All of these veins sometimes have an association with moly.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
316.84	319.75	1	VLT	PO	1	MO	0.5		
319.75	323.97	0.5	VLT	PO	0.5	MO	0.1		

moly on vein margins (316.84–319.75)

From	To	Litho
316.84	364.64	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
323.20	323.34	FLT	20	S
healed fault				
323.34	324.85	FOL	50	M
40-50dtca; moderate to strong				
324.85	329.60	FOL	40	W
329.60	330.04	FLT	50	S
healed flt until 330m followed by rubble				
330.04	351.90	FOL	45	W
40-50dtca; fol w-m				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
323.97	331.00	3	VLT	PO	1.5	MO	0.5		
py+po massed together in veinlets; mo in veining									
331.00	336.50	1	VLT	PO	0.5	MO	0.2		
same as above but less									
336.50	364.64	1	VLT	PO	0.1	MO	0.1		
short intervals of more concentrated mineralization; Mo is commonly diss in sugary looking veins which make it harder to see									

From	To	Litho
316.84	364.64	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
351.90	353.22	FOL	30	M
25-35dtca; m-w.				
353.22	364.63	FOL	45	W
40-50dtca; w-vw				
364.63	364.64	CON	40	
lc; sharp				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
364.64	382.33	GDIO

Granodiorite
Equigranular with a speckled color of white and black with minor pink. Massive and unaltered. Small zones of more mafic rich material (rafts?) are located at 371.77-371.87m and 380.21-380.25m. Variable fg pink/grey/white crystalline veins are concentrated in the later part of the interval and contain moly.

STRUCTURES

From	To	Struct	CA	Strain
364.64	382.32	MASS		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
364.64	382.33	-	-	-	-	-	-	-	VW	-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
364.64	377.63	0.5	98	0	2	1	20

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
364.64	377.63	0.1	FG						

From	To	Litho
364.64	382.33	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
382.32	382.33	CON	30	

lc; irreguar

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
377.63	382.33	5	80	18	2	4	50

fg pale white/pink/grey veining with associated moly min. Commonly irregular in shape; larger vein from 378.40-378.64m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
377.63	382.33	0.5	FG	MO	0.1				

moly associated with veining

From	To	Litho
382.33	392.10	AND

Andesite
Mottled maroon and green in appearance with patchy pale creamy white/pink ab-sil altered regions. Areas of granodiorite/granular pink/grey/white veining that was present in the above unit are also present from 286.85-287.25m and 388.35-388.67m. Splotches of py and po are concentrated at the upper portion of the region but present through out and moly is located in veining through the interval.

STRUCTURES

From	To	Struct	CA	Strain
382.33	386.85	FOL	50	M
	40-60dtca			
386.85	386.86	CON	30	
	uc with gdio/veining			
386.86	387.25	MASS		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
382.33	392.10	-	-	W	M	-	-	-	VW	-	W			

motted looking alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
382.33	392.10	20	85	12	2	10	

irregular grey and creamy looking veining

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
382.33	392.10	3	MG	PO	1.5	MO	0.2		

scattered through interval; po concentrated uphole. Mo generally conc at vein margins.

From	To	Litho
382.33	392.10	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
387.25	387.26	CON	20	
lc with gdio/veining				
387.26	388.35	FOL	40	W
foliation fairly washed out by alt				
388.35	388.36	CON	60	
uc with gdio/veining				
388.36	388.65	MASS		
388.65	388.66	CON	70	
lc with gdio veining				
388.66	392.09	FOL	20	W
vw-m fol from 40-10dtca				
392.09	392.10	CON	35	
lc				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
392.10	431.90	GDIO

Granodiorite
Equigranular with a speckled color of white and black with minor pink. Massive and unaltered. Occasional ep-chl filled fracture.
EOH @ 431.10m

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
392.10	392.28	3	MG						
in vein									

From	To	Litho
392.10	**431.90**	**GDIO**

Granodiorite
Equigranular with a speckled color of white and black with minor pink. Massive and unaltered. Occasional ep-chl filled fracture.
EOH @ 431.10m

STRUCTURES

From	To	Struct	CA	Strain
392.10	396.78	MASS		
396.78	396.86	FLT		S
	rubble			
396.86	431.90	MASS		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
392.10	431.90	-	-	VW	-	-	-	-	W	W				
	ep alt in some fractures													

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
392.10	396.50	0.5	90	8	2	1	30
	one vein at contact						
396.50	398.70	5	80	12	2	3	
	irregular granular pink/grey/white veining similar to previous gdio interval						
398.70	431.90	0.1	50	0	50		
	filled fractures						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
392.28	431.90	0.01	FG						
	py in fratures								

From	To	Litho
392.10	431.90	GDIO

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0606

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45091	5.8	8.23	HSLT	CORE	0.045	0.041
45092	8.23	10	HSLT	CORE	0.065	0.027
45093	10	10.5	GDIO	CORE	0.031	0.021
45094	10.5	14.33	HSLT	CORE	0.021	0.027
45095	14.33	14.33	HSLT	BLANK	0.001	0
45096	14.33	17.37	HSLT	CORE	0.022	0.041
45097	17.37	20.42	HSLT	CORE	0.017	0.036
45098	20.42	23.47	HSLT	CORE	0.026	0.035
45099	23.47	26.52	HSLT	CORE	0.024	**0.075**
45100	23.47	26.52	HSLT	DUPLICATE	0.03	0.026
45101	26.52	28.62	HSLT	CORE	0.032	**0.125**
45102	28.62	29.57	HSLT	CORE	0.062	**0.216**
45103	29.57	32.61	HSLT	CORE	0.051	**0.086**
45104	32.61	35.66	HSLT	CORE	0.093	**0.055**
45105	35.66	38.71	HSLT	CORE	0.023	**0.098**
45106	38.71	41.76	HSLT	CORE	0.03	**0.075**
45107	41.76	44.81	HSLT	CORE	0.033	**0.065**
45108	44.81	46	HSLT	CORE	0.052	**0.063**
45109	46	47.85	HSLT	CORE	0.04	**0.057**
45110	47.85	47.85	HSLT	**MoS-1**	0.012	**0.065**
45111	47.85	50.9	HSLT	CORE	0.033	0.034
45112	50.9	53.95	HSLT	CORE	0.022	0.025
45113	53.95	57	HSLT	CORE	0.022	0.023
45114	57	60.05	HSLT	CORE	0.037	0.039
45115	60.05	60.05	HSLT	BLANK	0.002	0
45116	60.05	63.09	HSLT	CORE	0.024	0.026
45117	63.09	66.14	HSLT	CORE	0.043	0.035
45118	66.14	69.19	HSLT	CORE	0.047	**0.083**
45119	69.19	72.24	HSLT	CORE	0.035	**0.053**
45120	69.19	72.24	HSLT	DUPLICATE	0.06	**0.092**
45121	72.24	75.29	HSLT	CORE	0.024	**0.072**
45122	75.29	78.33	HSLT	CORE	0.024	**0.054**
45123	78.33	79.66	GDIO	CORE	0.043	**0.105**
45124	79.66	82.13	GDIO	CORE	0.042	**0.118**
45125	82.13	84.64	GDIO	CORE	0.028	**0.059**
45126	84.64	87.48	HSLT	CORE	0.038	**0.106**
45127	87.48	89.44	HSLT	CORE	0.025	0.042
45128	89.44	90.53	GDIO	CORE	0.034	**0.084**
45129	90.53	93.57	GDIO	CORE	0.072	**0.177**
45130	93.57	93.57	GDIO	**MoS-1**	n/s	n/s
45131	93.57	95	GDIO	CORE	0.041	**0.119**
45132	95	96.62	GDIO	CORE	0.028	**0.976**
45133	96.62	99.67	GDIO	CORE	0.05	**0.212**
45134	99.67	102.47	GDIO	CORE	0.049	**0.101**
45135	102.47	102.47	HSLT	BLANK	0.001	0
45136	102.47	105.77	HSLT	CORE	0.039	**0.074**
45137	105.77	108.81	HSLT	CORE	0.045	**0.082**
45138	108.81	111.86	HSLT	CORE	0.025	**0.105**
45139	111.86	114.91	HSLT	CORE	0.048	**0.065**
45140	111.86	114.91	HSLT	DUPLICATE	0.07	**0.084**

SAMPLE REPORT

HOLE ID: CH0606

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45141	114.91	117.96	HSLT	CORE	0.036	**0.149**
45142	117.96	121.01	HSLT	CORE	0.046	**0.163**
45143	121.01	124.05	HSLT	CORE	0.031	**0.065**
45144	124.05	127.1	HSLT	CORE	0.061	**0.076**
45145	127.1	130.15	HSLT	CORE	0.018	**0.061**
45146	130.15	133.2	HSLT	CORE	0.045	**0.219**
45147	133.2	136.25	HSLT	CORE	0.034	**0.056**
45148	136.25	139.29	HSLT	CORE	0.022	**0.065**
45149	139.29	142.34	HSLT	CORE	0.021	**0.096**
45150	142.34	142.34	HSLT	**MoS-1**	0.013	**0.065**
45151	142.34	145.39	HSLT	CORE	0.029	**0.115**
45152	145.39	148.44	HSLT	CORE	0.018	**0.089**
45153	148.44	151.49	HSLT	CORE	0.022	**0.067**
45154	151.49	154.53	HSLT	CORE	0.026	**0.085**
45155	154.53	156.9	HSLT	CORE	0.051	**0.385**
45156	156.9	156.9	HSLT	BLANK	0.001	0
45157	156.9	160	GDIO	CORE	0.056	**0.209**
45158	160	162.59	GDIO	CORE	0.172	**0.562**
45159	162.59	164.87	GDIO	CORE	0.114	**0.361**
45160	164.87	166.73	HSLT	CORE	0.086	**0.342**
45161	164.87	166.73	HSLT	DUPLICATE	0.12	**0.291**
45162	166.73	169.77	HSLT	CORE	0.062	**0.222**
45163	169.77	172.82	HSLT	CORE	0.048	**0.191**
45164	172.82	173.86	HSLT	CORE	0.051	**0.226**
45165	173.86	175.87	HSLT	CORE	0.028	**0.128**
45166	175.87	177.15	HSLT	CORE	0.025	**0.053**
45167	177.15	178	GDIO	CORE	0.023	0.031
45168	178	179.19	HSLT	CORE	0.039	**0.274**
45169	179.19	181.97	HSLT	CORE	0.039	**0.15**
45170	181.97	181.97	HSLT	**MoS-1**	0.013	**0.067**
45171	181.97	183.73	HSLT	CORE	0.026	**0.161**
45172	183.73	186.8	HSLT	CORE	0.047	**0.118**
45173	186.8	187.23	GDIO	CORE	0.051	0.036
45174	187.23	188.06	HSLT	CORE	0.065	**0.06**
45175	188.06	191.11	HSLT	CORE	0.04	**0.051**
45176	191.11	191.11	HSLT	BLANK	0	0
45177	191.11	194.16	HSLT	CORE	0.049	**0.132**
45178	194.16	197.21	HSLT	CORE	0.031	**0.106**
45179	197.21	200.25	HSLT	CORE	0.047	**0.144**
45180	197.21	200.25	HSLT	DUPLICATE	0.07	**0.094**
45181	200.25	203.3	HSLT	CORE	0.046	**0.109**
45182	203.3	204.47	HSLT	CORE	0.079	**0.106**
45183	204.47	206.35	GDIO	CORE	0.065	**0.102**
45184	206.35	209.4	GDIO	CORE	0.048	**0.129**
45185	209.4	212.45	GDIO	CORE	0.042	0.043
45186	212.45	215.49	GDIO	CORE	0.059	**0.085**
45187	215.49	218.54	GDIO	CORE	0.077	0.017
45188	218.54	221.59	GDIO	CORE	0.073	**0.154**
45189	221.59	222.72	GDIO	CORE	0.092	**0.105**
45190	222.72	222.72	HSLT	**MoS-1**	0.012	**0.065**
45191	222.72	224.64	HSLT	CORE	0.049	**0.152**
45192	224.64	227.69	HSLT	CORE	0.05	**0.15**

SAMPLE REPORT

HOLE ID: CH0606

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45193	227.69	229.92	HSLT	CORE	0.041	**0.24**
45194	229.92	231.54	HSLT	CORE	0.051	**0.408**
45195	231.54	231.96	HSLT	CORE	0.049	**0.065**
45196	231.96	231.96	HSLT	BLANK	0.001	0.001
45197	231.96	232.36	GDIO	CORE	0.111	0.017
45198	232.36	233.78	HSLT	CORE	0.051	**0.075**
45199	233.78	236.83	HSLT	CORE	0.049	**0.06**
45200	233.78	236.83	HSLT	DUPLICATE	0.03	0.043
45201	236.83	238.24	HSLT	CORE	0.04	**0.086**
45202	238.24	240.26	GDIO	CORE	0.036	0.015
45203	240.26	242.93	HSLT	CORE	0.038	**0.08**
45204	242.93	245.97	HSLT	CORE	0.042	**0.056**
45205	245.97	247.76	HSLT	CORE	0.033	**0.084**
45206	247.76	249.88	GDIO/HSLT	CORE	0.03	0.04
45207	249.88	250.79	GDIO	CORE	0.028	0.014
45208	250.79	252.07	HSLT	CORE	0.034	**0.069**
45209	252.07	254.14	HSLT	CORE	0.037	**0.095**
45210	254.14	254.14	HSLT	**MoS-1**	0.012	**0.063**
45211	254.14	254.56	GDIO	CORE	0.067	**0.071**
45212	254.56	255.12	HSLT	CORE	0.041	**0.065**
45213	255.12	258.17	HSLT	CORE	0.043	**0.097**
45214	258.17	261.21	HSLT	CORE	0.047	0.046
45215	261.21	264.26	HSLT	CORE	0.037	**0.079**
45216	264.26	264.26	HSLT	BLANK	0.001	0
45217	264.26	265.55	HSLT	CORE	0.065	**0.069**
45218	265.55	266.77	GDIO	CORE	0.064	0.035
45219	266.77	268.55	HSLT	CORE	0.038	**0.258**
45220	266.77	268.55	HSLT	DUPLICATE	0.06	**0.158**
45221	268.55	271.11	HSLT	CORE	0.043	**0.079**
45222	271.11	271.74	HSLT	CORE	0.06	**0.138**
45223	271.74	273	HSLT	CORE	0.074	**0.264**
45224	273	274.32	HSLT	CORE	0.056	**0.082**
45225	274.32	275.95	HSLT	CORE	0.068	**0.153**
45226	275.95	277.29	HSLT	CORE	0.109	**0.166**
45227	277.29	279.5	GDIO	CORE	0.074	0.027
45228	279.5	280.7	GDIO	CORE	0.047	0.02
45229	280.7	282.55	GDIO	CORE	0.066	**0.056**
45230	282.55	282.55	GDIO	**MoS-1**	0.013	**0.063**
45231	282.55	285.6	GDIO	CORE	0.052	**0.053**
45232	285.6	288.65	GDIO	CORE	0.066	**0.061**
45233	288.65	291.69	GDIO	CORE	0.112	0.034
45234	291.69	293.05	GDIO	CORE	0.062	0.038
45235	293.05	294.74	GDIO	CORE	0.031	0.017
45236	294.74	294.74	GDIO	BLANK	0.001	0
45237	294.74	297.79	GDIO	CORE	0.03	0.029
45238	297.79	300.84	GDIO	CORE	0.048	0.017
45239	300.84	303.89	GDIO	CORE	0.068	**0.056**
45240	300.84	303.89	GDIO	DUPLICATE	0.06	0.038
45241	303.89	307.27	GDIO	CORE	0.025	0.034
45242	307.27	309.98	HSLT/GDIO	CORE	0.059	**0.129**
45243	309.98	311.22	HSLT	CORE	0.044	**0.155**
45244	311.22	313.03	GDIO	CORE	0.017	0.048

SAMPLE REPORT

HOLE ID: CH0606

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45245	313.03	316.08	GDIO	CORE	0.033	0.01
45246	316.08	318	HSLT	CORE	0.05	**0.125**
45247	318	319.13	HSLT	CORE	0.083	**0.149**
45248	319.13	320.9	HSLT	CORE	0.073	**0.076**
45249	320.9	322.17	GDIO	CORE	0.033	0.004
45250	322.17	322.17	GDIO	**MoS-1**	0.013	**0.064**
45251	322.17	325.22	GDIO	CORE	0.03	0.001
45252	325.22	328.27	GDIO	CORE	0.034	0.001
45253	328.27	331.32	GDIO	CORE	0.031	0.002
45254	331.32	334.37	GDIO	CORE	0.025	0.001
45255	334.37	335.83	GDIO	CORE	0.03	0.005
45256	335.83	335.83	GDIO	BLANK	0.002	0
45257	335.83	337.41	HSLT	CORE	0.047	**0.235**
45258	337.41	339.25	HSLT	CORE	0.038	**0.06**
45259	339.25	340.6	GDIO	CORE	0.028	0.006
45260	339.25	340.6	GDIO	DUPLICATE	0.04	0.011
45261	340.6	341.49	HSLT	CORE	0.042	**0.112**
45262	341.49	342.87	HSLT	CORE	0.046	**0.06**
45263	342.87	345.28	HSLT	CORE	0.029	**0.062**
45264	345.28	346.56	GDIO	CORE	0.025	0.011
45265	346.56	348.73	HSLT	CORE	0.036	**0.08**
45266	348.73	351.24	GDIO	CORE	0.022	0.006
45267	351.24	353.76	GDIO	CORE	0.02	0.001
45268	353.76	354.64	GDIO	CORE	0.029	**0.097**
45269	354.64	357.62	HSLT	CORE	0.04	0.046
45270	357.62	357.62	HSLT	**MoS-1**	0.011	**0.063**
45271	357.62	358.75	GDIO	CORE	0.013	0.011
45272	358.75	361.8	GDIO	CORE	0.01	0.006
45273	361.8	364.85	HSLT	CORE	0.03	**0.109**
45274	364.85	367.89	HSLT	CORE	0.041	**0.105**
45275	367.89	370.94	HSLT	CORE	0.048	**0.114**
45276	370.94	370.94	HSLT	BLANK	0.001	0
45277	370.94	373.99	HSLT	CORE	0.042	**0.097**
45278	373.99	375.28	HSLT	CORE	0.038	**0.064**
45279	375.28	377.04	QFP	CORE	0.03	0.013
45280	375.28	377.04	QFP	DUPLICATE	0.07	**0.055**
45281	377.04	380.09	QFP	CORE	0.071	0.018
45282	380.09	381.69	QFP	CORE	0.025	0.004
45283	381.69	383.13	GDIO	CORE	0.031	0.01
45284	383.13	386.18	GDIO	CORE	0.037	0.005
45285	386.18	387.25	GDIO	CORE	0.022	0.001
45286	387.25	389.23	HSLT	CORE	0.035	**0.094**
45287	389.23	392.28	GDIO	CORE	0.044	0.035
45288	392.28	395.33	GDIO	CORE	0.061	0.031
45289	395.33	398.38	GDIO	CORE	0.058	0.03
45290	398.38	398.38	GDIO	**MoS-1**	0.012	**0.064**
45291	398.38	399.55	GDIO	CORE	0.075	0.014
45292	399.55	400.39	HSLT	CORE	0.022	0.05
45293	400.39	402.96	GDIO	CORE	0.062	0.013
45294	402.96	404.47	GDIO	CORE	0.034	0.008
45295	404.47	407.52	GDIO	CORE	0.057	0.035
45296	407.52	407.52	GDIO	BLANK	0	0

SAMPLE REPORT

HOLE ID: CH0606

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45297	407.52	409.44	GDIO	CORE	0.059	**0.055**
45298	409.44	412.4	HSLT	CORE	0.044	**0.056**
45299	412.4	413.07	HSLT	CORE	0.036	0.01
45300	412.4	413.07	HSLT/GDIO	DUPLICATE	0.04	0.015
45301	413.07	414.32	HSLT	CORE	0.069	**0.085**
45302	414.32	416.28	GDIO	CORE	0.044	**0.068**
45303	416.28	419.71	QFP	CORE	0.004	0.002
45304	419.71	422.76	QFP	CORE	0.002	0.001
45305	422.76	425.81	QFP	CORE	0.001	0
45306	425.81	428.85	QFP	CORE	0.001	0
45307	428.85	431.9	QFP	CORE	0.001	0
45308	431.9	434.95	QFP	CORE	0.001	0.001
45309	434.95	438	QFP	CORE	0.001	0
45310	438	438	QFP	**MoS-1**	0.011	**0.063**
45311	438	441.05	QFP	CORE	0.001	0
45312	441.05	444.09	QFP	CORE	0.001	0.001
45313	444.09	447.14	QFP	CORE	0.001	0.001
45314	447.14	450.19	QFP	CORE	0.002	0
45315	450.19	450.93	QFP	CORE	0.001	0.001
45316	450.93	450.93	QFP	BLANK	0.001	0
45317	450.93	453.24	GDIO	CORE	0.023	0.049
45318	453.24	456.29	GDIO	CORE	0.014	0.004
45319	456.29	457.8	GDIO	CORE	0.021	0.015
45320	456.29	457.8	GDIO	DUPLICATE	0.01	0
45321	457.8	459.67	GDIO	CORE	0.031	0.028
45322	459.67	460.59	HSLT	CORE	0.113	0.05
45323	460.59	461.5	GDIO	CORE	0.012	0.004
45324	461.5	462.38	HSLT	CORE	0.061	**0.08**
45325	462.38	465.43	HSLT/GDIO	CORE	0.031	0.036
45326	465.43	468.48	GDIO	CORE	0.026	0.006
45327	468.48	471.53	GDIO	CORE	0.038	0.003
45328	471.53	474.57	GDIO	CORE	0.039	0.007
45329	474.57	477.62	GDIO	CORE	0.032	0.009
45330	477.62	477.62	GDIO	**MoS-1**	0.012	**0.064**
45331	477.62	480.67	GDIO	CORE	0.032	0.008
45332	480.67	483.72	GDIO	CORE	0.021	0.001
45333	483.72	486.77	GDIO	CORE	0.014	0.001
45334	486.77	489.81	GDIO	CORE	0.025	0.009
45335	489.81	492.86	GDIO	CORE	0.03	0.037
45336	492.86	492.86	GDIO	BLANK	0.001	0
45337	492.86	495.91	GDIO	CORE	0.04	0.023
45338	495.91	497.56	GDIO	CORE	0.035	0.032
45339	497.56	500.45	HSLT	CORE	0.051	**0.127**
45340	497.56	500.45	GDIO	DUPLICATE	0.04	0.007
45341	500.45	502.01	GDIO	CORE	0.037	0.033
45342	502.01	505.05	HSLT	CORE	0.033	**0.057**
45343	505.05	508.1	HSLT	CORE	0.056	**0.114**
45344	508.1	511.15	HSLT	CORE	0.054	**0.12**
45345	511.15	514.6	HSLT	CORE	0.073	**0.106**
45346	514.6	516.22	GDIO	CORE	0.071	0.026
45347	516.22	517.25	HSLT	CORE	0.049	**0.117**
45348	517.25	520.29	HSLT	CORE	0.048	**0.073**

SAMPLE REPORT

HOLE ID: CH0606

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45349	520.29	521.93	HSLT	CORE	0.05	**0.064**
45350	521.93	521.93	HSLT	**MoS-1**	0.011	**0.061**
45351	521.93	524.76	HSLT	CORE	0.073	**0.149**
45352	524.76	526.39	GDIO	CORE	0.113	0.022
45353	526.39	529.44	GDIO	CORE	0.093	0.028
45354	529.44	530.51	GDIO	CORE	0.097	**0.099**
45355	530.51	533.04	HSLT	CORE	0.063	**0.107**
45356	533.04	533.04	GDIO	BLANK	0.001	0
45357	533.04	535.1	GDIO	CORE	0.061	0.013
45358	535.1	537.1	HSLT	CORE	0.052	**0.107**
45359	537.1	538.58	GDIO	CORE	0.054	**0.069**
45360	537.1	538.58	GDIO	DUPLICATE	0.06	**0.105**
45361	538.58	541.63	GDIO	CORE	0.075	**0.057**
45362	541.63	543.1	GDIO	CORE	0.043	0.022
45363	543.1	544.68	GDIO	CORE	0.067	0.045
45364	544.68	547.73	GDIO	CORE	0.086	**0.126**
45365	547.73	550.77	GDIO	CORE	0.067	**0.068**
45366	550.77	553.82	GDIO	CORE	0.062	0.025
45367	553.82	556.87	GDIO	CORE	0.087	0.034
45368	556.87	559.92	GDIO	CORE	0.094	**0.088**
45369	559.92	562.97	GDIO	CORE	0.106	0.027
45370	562.97	562.97	GDIO	**MoS-1**	0.011	**0.065**
45371	562.97	565.4	GDIO	CORE	0.099	0.023
45372	565.4	568.07	QFP	CORE	0.004	0
45373	568.07	569.06	GDIO	CORE	0.058	0.018
45374	569.06	572.11	GDIO	CORE	0.108	0.019
45375	572.11	575.16	GDIO	CORE	0.087	0.04
45376	575.16	575.16	GDIO	BLANK	0.001	0
45377	575.16	578.21	GDIO	CORE	0.089	**0.065**
45378	578.21	581.25	GDIO	CORE	0.071	0.015
45379	581.25	584.3	GDIO	CORE	0.066	0.028
45380	581.25	584.3	GDIO	DUPLICATE	0.08	**0.095**

CH0606

From	To	Litho
0.00	5.80	OB

length of casing is 20 feet; casing burned into bedrock 30cm.

STRUCTURES				
From	To	Struct	CA	Strain
0.00	5.80			

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
5.80	10.00	HSLT

A dark brown, fine grained, weakly to moderately foliated hornfelsed metasiltstone. The core exhibits a weak to moderate fracturing with broken core throughout interval length. The core also exhibits alteration along fracture surfaces; yellowish to orange ochre coloured weathering. There appears to be at least 3 types of vein sets throughout; with no relationship to genesis of vein sets, the veins observed are; vein1 is a foliation parallel, often boudined white qtz vein with weak % of sulphides; vein2 is a mm scale sulphide rich crosscutting foliation and parallel foliation darker coloured qtz veinlet and vein3 is a white to grey white bull qtz vein commonly orthogonal t.c.a., containing weak to moderate sulphides and often with moly observed as selvages to the vein. On whole, the core is weakly magnetic with rare, but observed magnetite, in bull veining and possibly mm scale veining.

As a quick observation in this first interval of core in CHU-06-06, it appears that the veining is as follows:

Bull veins cut foliation parallel veins
Bull veins cut mm scale veins that are observed both parallel and orthogonal to foliation
Parallel foliation veining cuts the boudined veining.

STRUCTURES				
From	To	Struct	CA	Strain
5.80	9.99	FOL	30	

foliation ranges from 20 - 40 t.c.a.

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
5.80	10.00	W	-	-	W	-	-	-	-	-	-			

hornfelsed meta siltstone with assumed biotite alteration

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
5.80	10.00	5	100	0	0	3	

bull veins with mo selvages orthogonal t.c.a.; parallel foliation (30 t.c.a.) veins with wk mo and mm scale veining with lots of mo parallel and orthogonal to foliation

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
5.80	10.00	1	MS	MO	0.5	CP	0.01		

pyrite appears along all fracture surfaces as smears or ascicular masses and is also observed as euhedral masses within bull veining; as massive pyrite in foliation parallel veining and mm scale veining; Moly appears as selvages to bull veins and rarely as specks within bull veins and Moly also constitutes most of the fill within the mm scale veining (these veins are the

From	To	Litho
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A dark brown, fine grained, weakly to moderately foliated hornfelsed metasiltstone. The core exhibits a weak to moderate fracturing with broken core throughout interval length. The core also exhibits alteration along fracture surfaces; yellowish to orange ochre coloured weathering. There appears to be at least 3 types of vein sets throughout; with no relationship to genesis of vein sets, the veins observed are; vein1 is a foliation parallel, often boudined white qtz vein with weak % of sulphides; vein2 is a mm scale sulphide rich crosscutting foliation and parallel foliation darker coloured qtz veinlet and vein3 is a white to grey white bull qtz vein commonly orthogonal t.c.a., containing weak to moderate sulphides and often with moly observed as selvages to the vein. On whole, the core is weakly magnetic with rare, but observed magnetite, in bull veining and possibly mm scale veining.

As a quick observation in this first interval of core in CHU-06-06, it appears that the veining is as follows:

Bull veins cut foliation parallel veins
Bull veins cut mm scale veins that are observed both parallel and orthogonal to foliation
Parallel foliation veining cuts the boudined veining.

STRUCTURES

From	To	Struct	CA	Strain
9.99	10.00	CON	25	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

richest of the 3 vein sets); Chalcopyrite is only observed in the bull veins and in trace amounts only

From	To	Litho
10.00	10.50	GDIO

A short interval of granodiorite with sharp upper and lower contacts. The diorite is moderately siliceous throughout and inundated with very fine micro fractures; it is difficult to see, but perhaps moly along these fractures as they're dark in colour. The diorite is biotite rich, but also contains phlogopite. The phlogopite is brownish in colour, pearly like and has perfect hexagonal crystals. Trapped within this granodiorite dyke is a subrounded cm scale xenolith of metasiltstone. This metasiltstone has a mm scale well defined chill margin and moly around its entire outer rim. So, here we observe the granodiorite stopping the metasiltstone and moly along the siltstones selvage, whereby we have observed moly only along quartz vein selvages. If the moly is on the outside of the stopped xenolith, does this mean that the Moly is derived from the diorite?

STRUCTURES

From	To	Struct	CA	Strain
10.00	10.01	CON	25	

sharp upper contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
10.00	10.50	-	-	-	M	-	-	-	-	-			W	

Homogenous, biotite rich granodiorite, moderately siliceous

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
10.00	10.50	0	0	0	0		

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
10.00	10.50	1	DISS	MO	0.01				

disseminated pyrite t/o with trace only as a selvage to siltstone xenolith

From	To	Litho
10.00	10.50	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
10.01	10.49	MASS		
10.49	10.50	CON	45	

10.01–10.49: *massive granodiorite dyke*

10.49–10.50: *sharp lower contact*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
10.50	78.73	HSLT

Same as upper interval from 5.80 - 10.00m. This interval, though much longer is identical to the top of the hole; dark brown, weakly to moderately foliated, FG, hornfelsed metasiltstone with moderate silica alteration, assumed biotite alteration, episodic lighter brown zones and greenish brown zones (alteration or contact margins from pulses of veining?), and a stronger presence of veining.

Though similar, this interval exhibits an observed sporadic brecciation throughout. The siltstone in these breccia zones contains subrounded to rounded clasts set in a fine grained dark brown to dark green fine grained matrix (weakly magnetic) with mm scale chill or alteration rims along clasts. Pyrite in these ranges from 1% to occasionally 3% massive clots. The zone of brecciation is best recognized between 28.70 - 46.00m; coincident with this zone of brecciation is an increase in veining throughout (all three and possibly 4 vein sets are observed here). Foliation throughout the described interval ranges from 15 - 35 degrees t.c.a. The lower contact is sharp with the underlain granodiorite.

Alteration throughout appears to be that of a hornfelsed contact metamorphic alteration with an assumed biotite alteration lending support to the darker brown colour. Silica is apparent throughout (weak to moderate). Though episodic, a greener, possibly chlorite alteration is observed within the core.

Mineralization throughout this interval is pyrite, rare chalcopyrite, magnetite with very rare pyrrhotite and molybdenite. The pyrite is observed in lesser amounts as FG disseminated, however, much of the observed pyrite is along fracture surfaces as massive ascicular blebs and as massive to ocasionally euhedral clots within the noted veining. The mentioned boudined veining is where it is observed that the pyrite appears to be replacing the boudined quartz, sometimes partially and sometimes completely. Chaclopyrite is rare and observed only within the cm scale qtz veins that cut core orthogonal t.c.a. Moly is observed along the selvages of the cm scale veins, constitutes much of the volume of the mm scale veinlets and is present along selvages and as specks within the boudined vein set. Moly is guestimated upwards of 0.5% on average over length of interval with rare zones whereby the moly may be greater than 0.5%, possibly 0.75 - 1%.

Veining is plentiful throughout the interval, on average 3-5% of the total core with localized zones of upwards to 15%; i.e. 28.70m - 46.00m. Of the vein sets observed, the cm scale orthogonal t.c.a veins and the mm scale veins appear to contain most of the moly percentages, yet at the same time the boudined veins host moly as well, but more sporadically then the aforementioned vein sets, some veins will have moly and some will not.

STRUCTURES

From	To	Struct	CA	Strain
10.50	28.70	FOL	20	

foliation ranges between 15-35 t.c.a; this interval is also blocky throughout

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
10.50	28.70	3	100	0	0	24	20

mostly mm scale veining parallel foliation; also less frequent, cm scale orthogonal veins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
10.50	28.70	0.5	MS	MO	0.2	CP	0.01		

mostly massive blebs of pyrite with rare disseminated; moly is observed but in lesser degrees than its downhole counterpart of this interval and

From	To	Litho
10.50	78.73	HSLT

Same as upper interval from 5.80 - 10.00m. This interval, though much longer is identical to the top of the hole; dark brown, weakly to moderately foliated, FG, hornfelsed metasiltstone with moderate silica alteration, assumed biotite alteration, episodic lighter brown zones and greenish brown zones (alteration or contact margins from pulses of veining?), and a stronger presence of veining.

Though similar, this interval exhibits an observed sporadic brecciation throughout. The siltstone in these breccia zones contains subrounded to rounded clasts set in a fine grained dark brown to dark green fine grained matrix (weakly magnetic) with mm scale chill or alteration rims along clasts. Pyrite in these ranges from 1% to occasionally 3% massive clots. The zone of brecciation is best recognized between 28.70 - 46.00m; coincident with this zone of brecciation is an increase in veining throughout (all three and possibly 4 vein sets are observed here). Foliation throughout the described interval ranges from 15 - 35 degrees t.c.a. The lower contact is sharp with the underlain granodiorite.

Alteration throughout appears to be that of a hornfelsed contact metamorphic alteration with an assumed biotite alteration lending support to the darker brown colour. Silica is apparent throughout (weak to moderate). Though episodic, a greener, possibly chlorite alteration is observed within the core.

Mineralization throughout this interval is pyrite, rare chalcopyrite, magnetite with very rare pyrrhotite and molybdenite. The pyrite is observed in lesser amounts as FG disseminated, however, much of the observed pyrite is along fracture surfaces as massive ascicular blebs and as massive to ocasionally euhedral clots within the noted veining. The mentioned boudined veining is where it is observed that the pyrite appears to be replacing the boudined quartz, sometimes partially and sometimes completely. Chaclopyrite is rare and observed only within the cm scale qtz veins that cut core orthogonal t.c.a. Moly is observed along the selvages of the cm scale veins, constitutes much of the volume of the mm scale veinlets and is present along selvages and as specks within the boudined vein set. Moly is guestimated upwards of 0.5% on average over length of interval with rare zones whereby the moly may be greater than 0.5%, possibly 0.75 - 1%.

Veining is plentiful throughout the interval, on average 3-5% of the total core with localized zones of upwards to 15%; i.e. 28.70m - 46.00m. Of the vein sets observed, the cm scale orthogonal t.c.a veins and the mm scale veins appear to contain most of the moly percentages, yet at the same time the boudined veins host moly as well, but more sporadically then the aforementioned vein sets, some veins will have moly and some will not.

STRUCTURES

From	To	Struct	CA	Strain
28.70	46.00	BX	20	W

this interval hosts numerous small (10-20cm) breccias throughout that

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
10.50	78.73	-	-	VW	W	-	-	-	-	-	M		VW	

weak to moderate silica; assumed biotite and vw to wk chlorite and pyrite alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
28.70	46.00	15	100	0	0	9	65

mostly cm scale veins ranging from subparallel to 65 t.c.a

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
28.70	46.00	1.5	MS	MO	0.5	CP	0.01		

chalcopyrite is rare and observed within cm scale qtz veins

1-2% massive and euhedral pyrite throughout with moly increasing due to increase in veining; chalcopyrite

From	To	Litho
10.50	78.73	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
46.00	78.72	FOL	20	

core length

46.00–78.72: *foliation ranges between 15-35 t.c.a; this interval is also blocky throughout*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
46.00	59.00	3	100	0	0	20	20
59.00	72.00	8	100	0	0	9	65

46.00–59.00: *mostly mm scale veining parallel foliation; also less frequent, cm scale orthogonal veins*

59.00–72.00: *mostly cm scale veins ranging from subparallel to 65 t.c.a*

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
46.00	78.73	0.5	MS	MO	0.3	CP	0.01		

remains rare and only observed within cm scale qtz veins

46.00–78.73: *pyrite tapers off again to about 0.5% massive with moly present but lesser than the previous interval due to vein density; chalcopyrite continues to be observed in the veins in rare amounts*

From	To	Litho
10.50	78.73	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
78.72	78.73	CON	5	

very shallow and sharp t.c.a. lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
72.00	78.73	3	100	0	0	10	20

mostly mm scale veining parallel foliation; also less frequent, cm scale orthogonal veins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
78.73	84.63	GDIO

This short interval of Granodiorite is a competent, hard rock with mm scale plagioclase lathes and the occasional, but rare, cm scale lathes. Biotite, phlogopite and muscovite are all observed t/o. Structurally the unit is massive t/o with minor microfaulting and rare offsetting of veins. Alteration is predominantly silica with rare chlorite and disseminated pyrite. Veining observed in this portion of diorite is weak, however, the dominant vein set is that of a pinkish to grey pinkish, cm scale, cross cutting core, quartz vein. This vein is only observed within this diorite, and not within the surrounding intercepts of metasiltstones; perhaps its characterisitics are different in the metaseds, but here it is unique. Accompanying this vein set is a mm scale anastomosing vein set that, though in lesser amounts, weaves over and though the core. Both of these described vein sets contain moly; the former has moly as selvages with occasional moly specks internal to the vein, while the latter is basically a moly filled mm scale crack that alo contains quartz. Microfaulting is observed throughout and is similar in appearance to the mm scale vein set, however, the faulting contains no moly mineralization.

One observed cm scale vein, containing moly, at 84.30m is offset (sinistrally) by a mm scale microfault. The offset vein and the length of line offsetting this vein both contain moly, yet the fault does not, instead contains pyrite. So, is the moly vein first, the fault second and the pyrite third?

Mineralization with this interval is predominately moly, though weakly represented t/o - 0.2% moly in whole core length? Pyrite is present along fractures and as disseminated flecks within the core and within the veining, while pyrrhotite and magnetite are both rarely observed.

STRUCTURES

From	To	Struct	CA	Strain
78.73	78.74	CON	5	

sharp upper contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
78.73	84.63	GDIO

This short interval of Granodiorite is a competent, hard rock with mm scale plagioclase lathes and the occasional, but rare, cm scale lathes. Biotite, phlogopite and muscovite are all observed t/o. Structurally the unit is massive t/o with minor microfaulting and rare offsetting of veins. Alteration is predominantly silica with rare chlorite and disseminated pyrite. Veining observed in this portion of diorite is weak, however, the dominant vein set is that of a pinkish to grey pinkish, cm scale, cross cutting core, quartz vein. This vein is only observed within this diorite, and not within the surrounding intercepts of metasiltstones; perhaps its characterisitics are different in the metaseds, but here it is unique. Accompanying this vein set is a mm scale anastomosing vein set that, though in lesser amounts, weaves over and though the core. Both of these described vein sets contain moly; the former has moly as selvages with occasional moly specks internal to the vein, while the latter is basically a moly filled mm scale crack that alo contains quartz. Microfaulting is observed throughout and is similar in appearance to the mm scale vein set, however, the faulting contains no moly mineralization.

One observed cm scale vein, containing moly, at 84.30m is offset (sinistrally) by a mm scale microfault. The offset vein and the length of line offsetting this vein both contain moly, yet the fault does not, instead contains pyrite. So, is the moly vein first, the fault second and the pyrite third?

Mineralization with this interval is predominately moly, though weakly represented t/o - 0.2% moly in whole core length? Pyrite is present along fractures and as disseminated flecks within the core and within the veining, while pyrrhotite and magnetite are both rarely observed.

STRUCTURES

From	To	Struct	CA	Strain
78.74	84.62	MASS		
massive hard competent granodiorite				
84.62	84.63	CON	20	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
78.73	84.63	-	-	VW	M	-	-	W	-	-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
78.73	84.63	0.5	100	0	0	2	75
orthogonal t.c.a. cm scale greyish pinkish white quartz veins containing moly; a smaller, less frequent, mm scale qtz vein is also observed t/o							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
78.73	84.63	0.1	DISS	MO	0.2	PO	0.01		
moly is the most prevalent, but still weak in percentage t/o; trace PO and CP and 0.1%-0.2% pyrite disseminated									

From	To	Litho
84.63	89.44	HSLT

This interval is not too unlike the previous intervals of hornfelsed metasiltstone. The core is dark brown in colour, FG throughout with a weak to moderate foliation fabric. The core is competent, shatters much like glass when hit with a hammer and has a 'ting" sound when hit with a hammer. The contacts, both upper and lower, have larger cm scale greyish pink to pinkish qtz veins within 5cm of the actual contacts. It is this vein that is commonly observed within the granodiorite, that is bounding the contacts. The entire interval has a weak crackle texture t/o. Alteration is biotite, silica hornfelsed metasiltstone. Mineralization observed is pyrite, moly, pyrrhotite and chalcopyrite. Moly is observed within the veining only; along selvages of cm scale veins and as fill within the mm scale veining. Pyrite is disseminated and as larger massie blebs within the vein sets. Pyrhotite and chalcopyrite are both observed within the veining, however, very rare occurrences.

STRUCTURES

From	To	Struct	CA	Strain
84.63	84.64	CON	20	
sharp upper contact				
84.64	89.43	FOL	20	M
weak to mod strained foliation fabric ranging from 20 -30 t.c.a.				
89.43	89.44	CON	35	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
84.63	89.44	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite and silica altered metasiltstone														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
84.63	89.44	5	100	0	0	24	20
the dominant vein set are the mm scale veins parallel foliation with larger cm scale qtz veins (~9 per meter) parallel and orthogonal t.c.a.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
84.63	89.44	0.5	MS	MO	0.2	PO	0.01		
pryite observed is alongfracture surfaces as fine grained massive blebs and sometimes smears, however, the most dominant pyrite is within the vein sets where it is observed as FG blebs and euhedral cubes; PO is extremely rare, while CP is rare - both observed within mm scale veining.									

From	To	Litho
89.44	102.48	GDIO

This interval is quite a spectacular interval in comparison to other granodiorite intercepts. This intrusive is different on many levels. The core is very hard, very competent, with a greyish green hue to its colouring (chlorite alteration) The texture of the granodiorite, though similar to the previous intervals, is slightly more coarser grained, with more recognizable plagioclase lathes. The GD is altered with chlorite and silica throughout its length and has sharp upper and lower contacts with the surrounding metaseds. A 10cm xenolith of metasiltstone is observed between 90.26m - 90.36m.
Large cm scale (3-4cm) pinkish qtz veins run throughout the interval length at shallow angles, 10-15 degrees and are moderately rich with moly along their selvages and as mm flecks throughout their core. Veinlets of moly rich qtz veins anastomose over the core and these veinlets are also rich with moly, often smearing beyond their veinlets and into the GD 1-2 cm (this could be a function of the cut of the vein too).
Mineralization is py+mo+po+cp. Pyrite is disseminated t/o core and commonly present as massive FG blebs t/o veins. PO is observed only within larger cm scale plagioclase lathes as a replacement mineral. CP is trace and present within veining only. Moly is the dominant mineralization within this interval as it is observed in greater amounts t/o all veining, both cm and mm scale and as flecks of moly within body of diorite. Moly percentage here is likely 1-1.5% total.

STRUCTURES

From	To	Struct	CA	Strain
89.44	89.45	CON	35	

sharp upper contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
89.44	102.48	-	-	M	M	-	-	-	VW	-				

silica/chlorite altered granodiorite with calcite veinets t/o

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
89.44	95.00	3	98	0	2		10

cm scale pinkish qtz veins with moly selvages and mm scale qtz veins with calcite selvages or rims with moly as well

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
89.44	102.48	1	MS	MO	1.5	PO	0.1		

Pyrite here is within the veining as massive blebs and smears, it is present along fractures as smears and it is also present as dissminated flecks throughout core; moly is in abundance within this short interval of GD; it is present along all mm scale veins, bleding out in to cm scale smears into the GD and along selvages of the larger cm scale qtz veins; where there's moly in the mm scale veinlets, there is also calcite; first time observed. PO is present in large cm lathes of plagioclase and appears to be a replacement mineral; Chalcopyrite is rare within the cm scale veining shallow t.c.a

From	To	Litho
89.44	102.48	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
89.45	102.47	MASS		
massive hard competent silica/chlorite altered granodiorite				
102.47	102.48	CON	35	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
95.00	102.48	10	98	0	2	10	
an increase in veining here with larger cm scale qtz veins and more of the mm scale moly veinlets t/o; calcite along selvages of qtz veining within microfaults and one large orthogonal t.c.a. 6mm calcite vein at 99.83m							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
102.48	156.90	HSLT

A lengthy interval of dark brown, FG hornfelsed biotite and silica altered metasiltstone. The interval has sharp upper and lower contacts with the surrounding granodiorites with large cm scale pinkish qtz veins defining their contacts. A small 25cm bleached white breccia is observed at 115.00 - 115.25m and a subparallel vein filled and gouge filled fault is observed at 150.50 - 151.25m.
Alteration, much like previous intervals, is an assumed biotite alteration giving rise to the dark brown colouring with a weak to moderate presence of silica t/o. Magnetite is weak and disseminated within the body of the rock.
Veining here is dominantly the larger cm scale white to grey white bull veins that commonly x-cut core axis at angles of 55-85 t.c.a, but with occasional veining running subparallel. Parallel foliation veining and boudined veining are both observed throughout this interval, but in much fewer occurrences than previous intervals. Mm scale calcite veinlets are rare but observed x-cutting core axis.
Mineralization within this interval is pyrite+moly+trace pyrrhotite and rare chalcopyrite.

STRUCTURES

From	To	Struct	CA	Strain
102.48	115.00	FOL	15	W
weakly foliated metaseds ranging from 10-20 t.c.a.				
115.00	115.25	BX	55	S
a bleached eggshell white, siliceous breccia with a strong 55 t.c.a foliation; clasts of breccia are angular				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
102.48	156.90	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite altered and silica altered metasiltstone														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
102.48	154.53	5	99	0	1	6	65
the dominant vein set here are the larger cm scale white bull veins that commonly cross cut the core and foliation. These veins, though dominant, are not as abundant as previous intervals; Boudined veining and folation parallel qtz veins are observed as well but in lesser amounts t/o; a mm scale calcite veining orthogonal t.c.a. is observed as well							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
102.48	154.53	1	MS	MO	0.1	PO	0.01		
py+mo in veining; pyrite as massive FG blebs and smears and moly as selvages along cm scale veins and as smears along fracturing and infill within mm scale veining; PO is rare t/o									

Initials: ________

From	To	Litho
102.48	156.90	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
115.25	150.50	FOL	10	VW
very weakfoliation from subparallel to 10 t.c.a.				
150.50	151.25	FLT	10	S
a gouge filled, veined and bleached greenish white fault subparallel t.c.a.				
151.25	156.89	FOL	10	VW
very weak strain foliation t/o				
156.89	156.90	CON	10	
sharp lower contact with underlain GD				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
154.53	156.90	10	100	0	0	15	
qtz veining here increases nearing the lower contact and these larger cm scale qtz veins are shallow t.c.a compared to the upper portion of the nterval							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
154.53	156.90	1	MS	MO	0.5	PO	0.01		
py+mo in veining; pyrite same as above interval with a noticeable increase in moly percentage within the veining; closer to the faulted contact the more the moly increases									

From	To	Litho
156.90	160.00	GDIO

This short interval of granodiorite lies above a fault and has been separated from the underlain faulted granodiorite for descriptive purposes only. The granodiorite is a hard competent, medim grained rock with noticeable plagioclase lathes and a greenish colouration. The upper and lower contact are sharp, the lower contact being the beginning of the underlain faulted granodiorite. Alteration appears to be that of silica and chlorite. Veining is oderate t/o with the larger cm scale veining being the dominant vein set. This vein set here runs subparallel t.c.a. and hosts moly along its selvages and as flecks within its core as well as smears along fracturing. A mm scale vein set, though fewer in occurrence x-cuts the larger vein set orthogonal t.c.a. These smaller veinlets and and offsetting microfractures also host moly. Mineralization observed is that of pyrite and moly. Pyrite appears within the veining as smears of massive fine grained suphide and weakly disseminated t/o core surface. Moly is observed as selvages to veining, flecks within veining and fill in fracturing.

STRUCTURES

From	To	Struct	CA	Strain
156.90	156.91	CON	10	
sharp upper contact				
156.91	159.99	MASS		
massive competent hard granodiorite with moderate alteration				
159.99	160.00	CON	90	
sharp lower contact with underlain faulted granodiorite; perpendicular t.c.a.				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
156.90	160.00	-	-	W	M	-	-	-	VW	-				
weak chlorite and calcite alteration with weak to moderate silica														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
156.90	160.00	5	99	0	1	2	5
large cm scale qtz veins are the dominant vein in the diorite; these veins are running subparallel t.c.a. with a cut width of 2-3cm; these veins are host to moly mineralization along their selvages and they are also cut by orthogonal mm scale veining and microfractures, both of which host moly as well. A small mm scale calcite veinlet is observed t/o in rare occurrences							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
156.90	160.00	0.5	MS	MO	0.1				
pyrite and moly are both weakly represented in this short interval, however, moly continues to be observed along vein selvages and as smears in fractures									

From	To	Litho
160.00	164.63	GDIO

A strongly faulted sequence of granodiorite. The core is dark in colour, beginning as a dark green grey between 160.00 - 162.50m and then becoming a white green more competent massive unit. The upper portion of the fault btwn 160.00 - 162.50m is extremely fissile and core recovery of this interval was outstanding. The core resembles 2 inch thick poker chips t/o the described zone. Between 162.50 - 165.63m the core is more competent, moderately altered compared to it's uphole counterpart, yet you can still push your finger into the core with little effort. The fault continues beyond 164.63m and into the underlain extremely altered and buggered up sediment (hornfelsed metasiltstone). Alteration in this faulted granodiorite appears to chlorite/altered clay minerals (muscovite and biotite has been altered as has the plagioclase feldspar) and illite with pervasive carbonate alteration t/o.
Veining in the fault is weak, with the dominant vein set being mm scale veinlets. Orientation of these veinlets varies t/o.
Mineralization t/o is just pyrite and moly; pyrite is weakly represented, but as euhedral crystals within the veining and very rarely disseminated, while the moly is in all veinlets and fractures.

STRUCTURES

From	To	Struct	CA	Strain
160.00	164.63	FLT		S

the upper portion of the fault has contact 90 degrees t.c.a while the lower portion has a contact of 15 degrees t.c.a

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
160.00	162.85	-	-	M	-	-	-	-	M	-				
162.85	164.63	-	-	W	-	-	-	-	W	-				

160.00 - 162.85: *though the core here is mush, there is a moderate green colour t/o and when acid is applied, the entire core fizzes*

162.85 - 164.63: *weaker chlorite and calcite alteration in this portion of the fault; the core here is competent, but remains fissile*

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
160.00	164.63	1	100	0	0		75

though not an abundance of veins per se, mm scale veinlets and fractures host the moly; the dominant vein would be a mm scale veinlet 50 - 75 t.c.a.; another mm scale vein set is observed and this one varies considerably in its orientation as it weaves t/o the core surface

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
160.00	164.63	0.5	EUH	MO	0.2				

pyrite is weak t/o, but again is assoicated with veining, however, within this fault interval there are a lot of euhedral pyrite crystals vs the common massive pyrite observed in other intervals; moly stands out quite remarkably (no handlens needed) and it occurs within the vein sets, along fractures and as flecks within the body of the granodiorite (have not seen this in other intervals)

From	To	Litho
164.63	173.95	HSLT

The fault continues from the above interval of granodiorite and through into this interval of metasiltstone for a total length of fault at 13.95m (160.00 - 173.95m). The upper contact of the faulted granodiorite and the faulted metaseds exhibits small scale folding with an apparent right lateral drag at the actual contact. Surprisingly, the contact in this fault is intact and because of the varying competency between the two lithologies, the metasiltstone took has taken the brunt of the faulting. The core here is a whitish, green, clay rich, mushy and strongly brecciated with recognizable clasts subrounded. The clasts here are supported by a matrix of anastomosing veinlets and mm scale veins inundating the core surface. The alteration here is clay, weak chlorite and pervasive carbonate. Veining is abundant in the zone btwn 165.63 - 173.00m and orientation vary drastically as this fault appears to be blown apart by fluid, thus resulting in the veining percentage and the brecciated texture. Mineraliation is of strong disseminated pyrite and abundant moly throughout the veins and the body of the fault.

STRUCTURES

From	To	Struct	CA	Strain
164.63	173.95	FLT		S

faulted meta siltstone; strongly altered, buggered up and fissile

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
164.63	173.00	-	-	-	VW	-	-	-	M	-	W			
173.00	173.95	-	-	-	-	-	-	-	VW	-	M			

164.63 - 173.00: *the core here is very altered and pretty much claylike with a moderate carbonate alteration; biotite alteration and hornfels are observed in localized zones where the core has not been blasted by the faulting*

173.00 - 173.95: *moderate biotite alteration, very weak carbonate alteration in this more recognizable portion of metasiltstone*

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
164.63	173.00	15	80	0	20		
173.00	173.95	1	95	0	5		

164.63 - 173.00: *mostly qtz veining with 2 recognizable sets; boudined veining with varying orientations and mm scale orthogonal t.c.a. veining; carbonate veins and qtz/carb veins make up approx 20% of the vn% and appear to dominantly subparallel t.c.a.*

173.00 - 173.95: *mm scale veinlets are the dominant here with rare cm scale veining; carbonate veining stil observed*

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
164.63	173.00	2	DISS	MO	0.5				
173.00	173.95	0.1	DISS	MO	0.1				

164.63 - 173.00: *pyrite is abundant in this faulted portion and dominantly disseminated t/o, but present within veining and along fracturing, 1.5-2%; moly is also abundant within this fault and is infilling most mm scale veinlets, fractures and because of the messed up nature of the fault itself, moly appears throughout the core in varying forms and locations*

173.00 - 173.95: *pyrite and moly both decrease significantly in this end portion of more competent metasiltstone. Pyrite is now only observed within the veining as is the moly*

From	To	Litho
173.95	177.14	HSLT

Ashort interval of hornfelsed metasiltstone that is part of the previous interval that was faulted. This MS is fine grained, dark brown in colour, weakly veined with mm scale veining, altered with silica and biotite and host to massive pyrite in the qtz veining and moly along the veining selvages and fractures. Upper and lower contacts are sharp.

STRUCTURES

From	To	Struct	CA	Strain
173.95	173.96	CON	45	
this described contact is a contact btwn the faulted metasiltston and the non-faulted metasiltstone				
173.96	177.13	FOL	35	W
weakly to very weakly foliated rock ranging from 25-40 t.c.a.				
177.13	177.14	CON	35	
sharp lower contact with underlain GD				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
173.95	177.14	-	-	-	M	-	-	-	-	-	M			
biotite and silica altered hornfelsed sediments														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
173.95	177.14	3	95	0	5		
there are 3 qtz vein sets and 1 carbonate vein set; the dominant vein set appears to be the cm scale white qtz vein the x-cuts the core in varyin orientations, while a second dominant qtz vein set cross cuts the core orthogonal t.c.a. and is mm in scale; the 3rd set of qtz veining is a mm scale parallel foliation vein; the carbonate veining is a consistent 65 t.c.a. x-cutting mm scale vein							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
173.95	177.14	0.2	MS	MO	0.1				
pyrite is massive FG blebs within veining; moly is observed along selvages of veining and along fractures									

From	To	Litho
177.14	**178.00**	**GDIO**

A short interval of medium grained, competent, hard, homogenous granodiorite with weak to no alteration, sharp upper and lower contacts, and weak mineralization t/o.

STRUCTURES

From	To	Struct	CA	Strain
177.14	177.15	CON	35	
sharp upper contact				
177.99	178.00	CON	40	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
177.14	178.00	-	-	VW	M	-	-	-	-	-				
massive very weakly altered granodiorite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
177.14	178.00	0.5	100	0	0	2	65
very weak representation of veining in this short interval of GD; typical vein here is 6-9 mm in size							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
177.14	178.00	0.1	MS	MO	0.1				
oth pyrite and moly are observed only with the veining and along the selvages, but in rare amounts									

From	To	Litho
178.00	**186.79**	**HSLT**

A dark brown, fg, metasiltstone with a zone of moderate brecciation and alteration btwn 179.19 - 183.72m. Upper and lower contacts are sharp. The metasiltstone is identical to previous intervals of MS, however, the zone of brecciation appears to be the result of intense veining and perhaps its proximity to the overlying fault. The breccia is competent, but carbonate altered and weakly chlorite altered; its stiffness due to hornfelsed biotite alteration is lost in this zone. The clasts supporting this crackle breccia textured zone have subrounded edges and chill margins to them (cherty like almost, but without the strong silica) developed as a result of them flooding of veins. The veining here is intense, 15-20% of the core surface and dominantly qtz veining with two episodes of carbonate veining, subparallel and x-cutting. Moly is more abundant in this zone as one would expect with the numerous veins inundating the core. Pyrite throughout the interval is weak to moderate and commonly observed within and along the veining.

STRUCTURES

From	To	Struct	CA	Strain
178.00	178.01	CON	40	
sharp upper contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
178.00	179.19	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite and silica altered metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
178.00	179.19	5	100	0	0	8	45
a mix of two vein sets, both qtz, one 45 t.c.a. mm scale and the other a cm scale 25 t.c.a.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
178.00	179.19	0.1	MS	MO	0.1				
trace amounts of pyrite and moly in this upper zone									

From	To	Litho
178.00	186.79	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
178.01	179.19	FOL	20	W
weakly foliated MS				
179.19	183.72	BX		M
a zone moderate brecciation,intense veining and alteration				
183.72	186.12	FOL	35	VW
very weak 35 t.c.a foliation				
186.12	186.78	FOL	25	M
moderate to strongly foliated metaseds				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
179.19	183.72	-	-	W	W	-	-	-	M	-	VW			
a zone of strongly carbonate altered brecciated metaseds with weak chlorite and silica alteration t/o														
183.72	186.79	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite and silica altered metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
179.19	183.72	15	95	0	5	5	65
a mass of different veining t/o this described interval; qtz veining 65 t.c.a. cutting the boudined qtz veining that is subparallel t.c.a. and numerous mm scale veinlets anastomosing over the core surface, some cuting everything and some being cut by the cm scale veining; vein genesis here is difficult to ascertain; carbonate veining is moderate t/o and has two preferred orientations, subparallel core axis and 75 t.c.a.							
183.72	186.79	10	99	0	1		
mostly mm scale veining anastomosing over the core in varying orientations with occasional cm scale veining x-cutting and/or following foliation; carbonate veining is minimal, but observed							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
179.19	183.72	1.5	MS	MO	0.5				
pyrite and moly increase significantly here in the brecciated zone, pyrite present in and along veining as massive blebs, while moly is present in almost every vein and along fractures									
183.72	186.79	0.1	MS	MO	0.1				
trace amounts of pyrite and moly in this lower zone									

From	To	Litho
178.00	186.79	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
186.78	186.79	CON	40	

sharp lower contact

From	To	Litho
186.79	187.23	GDIO

Same as interval 177.14 - 178.00m

STRUCTURES

From	To	Struct	CA	Strain
186.79	186.80	CON	40	
187.22	187.23	CON	60	

186.79 – 186.80: *sharp upper contact*

187.22 – 187.23: *sharp lower contact*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
186.79	187.23	-	-	W	M	-	-	-	VW	-				

silica altered granodiorite with weak chlorite alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
186.79	187.23	0.1	100	0	0	7	65

mm scale qtz veinlets steep t.c.a.
very rare carbonate veins as wel

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
186.79	187.23	0.5	DISS	MO	0.1				

pyrite is disseminated t/o core with very weak moly in only a few of the mm scale veinlets

From	To	Litho
187.23	204.46	HSLT

Another interval of dark brown, very fine grained, siliceous, biotite altered hornfelsed metasiltstone. The siltstone has sharp upper and lower contacts with the surrounding granodiorites. The core is inundated with mm scale veinlets and fractures of qtz fill and moly fill, leaving a net texture or crackle texture to the core surface. Veining is 5-10% t/o the interval with the dominant veining being that of mm scale qtz veinlets, 2nd would be the boudined veining parallel and x-cutting foliation with a 3rd vein set being cm scale x-cutting foliation as well as observed subparallel core axis. Mineralization in the interval is py+mo+po. Pyrite is observed within veining and along selvages of veining; moly is observed t/o all mm scale veinlets and within microfractures t/o core as well as along selvages of boudined and cm scale veins. Pyrrhotite is observed for the first time in greater abundance and was observed as mm MG massive blebs within the boudined veining only.

STRUCTURES

From	To	Struct	CA	Strain
187.23	187.24	CON	60	

sharp upper contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
187.23	204.46	HSLT

Another interval of dark brown, very fine grained, siliceous, biotite altered hornfelsed metasiltstone. The siltstone has sharp upper and lower contacts with the surrounding granodiorites. The core is inundated with mm scale veinlets and fractures of qtz fill and moly fill, leaving a net texture or crackle texture to the core surface. Veining is 5-10% t/o the interval with the dominant veining being that of mm scale qtz veinlets, 2nd would be the boudined veining parallel and x-cutting foliation with a 3rd vein set being cm scale x-cutting foliation as well as observed subparallel core axis. Mineralization in the interval is py+mo+po. Pyrite is observed within veining and along selvages of veining; moly is observed t/o all mm scale veinlets and within microfractures t/o core as well as along selvages of boudined and cm scale veins. Pyrrhotite is observed for the first time in greater abundance and was observed as mm MG massive blebs within the boudined veining only.

STRUCTURES

From	To	Struct	CA	Strain
187.24	204.45	FOL	20	VW
very weak foliation ranging btwn 15-25 t.c.a.				
204.45	204.46	CON	20	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
187.23	204.46	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite, silica metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
187.23	204.46	7	100	0	0	15	20
the dominant vein set would be the foliation parallel qtz vein (4-5mm) with observed fewer larger cm scale qtz veins and boudined veins both parallel and x-cutting folation							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
187.23	204.46	0.5	MS	MO	0.2	PO	0.2		
pyrite, though weak t/o is cinfined to the veining as blebs of FG massive pyrite within veining and along selvages; moly is observed within all mm scale foliation veinlets and along selvages of both boudined and large cm scale veining; pyrrhotite is observed in greater amounts in this interval and is observed within the boudined veining									

From	To	Litho
204.46	222.72	GDIO

This diorite is a whitish grey coloured, medium grained, plagioclase and biotite rich, competent hard intrusive with sharp upper and lower contacts. The core is predominantly altered with silica and qtz flooding with minor chlorite alteration observed within the fine grained ground mass. Veining is of two dominantly sets, a mc scale qtz vein and a mm scale fracture filled veinlet, both carrying moly. Mineralization is of disseminated pyrite throughout the interval length, sphalerite observed only btwn 204.46 - 209.00m, and moly mostly observed within microfractures and the mm scale veinlets and to a lesser degree as selvages along the cm scale veins and as flecks disseminated throughout the diorite.

STRUCTURES

From	To	Struct	CA	Strain
204.46	204.47	CON	20	
sharp upper contact				
204.47	222.71	MASS		
massive siliceous granodiorite				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
204.46	222.72	-	-	VW	M	-	-	-	-	-				
moderately to silica altered granodiorite with very weak chlorite alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
204.46	209.00	3	100	0	0		60
qtz veining orthogonal t.c.a. btwn 50-75 t.c.a. the veining here ranges from 8mm - 15mm; sphalerite is observed within the veining in this interval as well as moly in microfractures and mm scale veinlets							
209.00	222.72	3	99	0	1		45
dominant vein here is the cm scale qtz vein; moly often along selvages and within vein; mm scale veinlets are also present t/o, but in fewer frequency; carbonate veins are rare but observed cutting core 70 t.c.a.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
204.46	209.00	0.1	DISS	MO	0.1	SP	0.2		
pyrite is weak and disseminated t/o as well as within veining; moly is in microfractures and veinlets t/o but in small occurrences and sphalerite is observed in cm scale masses clumping in larger cm scale veins									
209.00	222.72	0.1	DISS	MO	0.3				
sphalerite disapears here in this interval and pyrite remains disseminated t/o and within veining, however, moly appears to increase in occurrence havinf a stronger presence within the veining as well as disseminated throughout the core itself									

From	To	Litho
204.46	222.72	GDIO

(Continued from previous page)

STRUCTURES					ALTERATION														VEINS								MINERALIZATION									
From	To	Struct	CA	Strain	From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER	From	To	Vn%	QZ%	Feld%	CC%	V/m	CA	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

222.71 222.72 CON 75

sharp lower contact

From	To	Litho
222.72	231.96	HSLT

Another interval of dark brown, FG, hornfelsed metasiltstone with sharp upper and lower contacts. This interval has a moderate to high density of cm scale veining cutting core in varying orientations. 99% of these veins are hosting moly along their selvages and as flecks within the qtz septa. A set of mm scale veining is also observed at 45 t.c.a; these veins, too, are hosting moly t/o. One observed portion of the interval exhibits moly as 2-3mm rounded flecks disseminated 1 cm either side of a microfracture/mm scale qtz vein. This is the first time this has been observed, but the moly is in the metasiltstone and not with the vein. This was observed between 227.69-227.81m. Moly is the dominant mineralization throughout the interval with pyrite in 0.2-0.5% t/o and mostly along and within veining. Moly is observed in almost all cm scale veins along selvages and as flecks within septa and moly is also observed within the mm scale veinlets as well.

STRUCTURES

From	To	Struct	CA	Strain
222.72	222.73	CON	75	
222.73	231.95	FOL	20	W

222.72 222.73 CON 75: *sharp upper contact*

222.73 231.95 FOL 20 W: *weak foliation fabric t/o ranging 20-30 t.c.a.*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
222.72	231.96	-	-	-	M	-	-	-	-	-	M			

hornfelsed biotite silica metaseds

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
222.72	231.96	15	100	0	0	6	35

large cm scale veins dominate the interval with a seconday veining of mm scale veining x-cutting the foliation fabric in varying orientations

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
222.72	231.96	0.5	MS	MO	0.5				

pyrite is 0.5% with localized zones of greater percent and mostly observed within the veining; very little disseminated; Moly increases in this interval to that of almost 0.5% and commonly observed as 2-3mm selvages to larger vein set; microfractures and mm scale veins have moly infil as well

From	To	Litho
222.72	231.96	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
231.95	231.96	CON	40	

sharp lower contact

From	To	Litho
231.96	232.35	GDIO

A very short interval of granodiorite. Weakly chlorite altered, devoid of moly mineralization, weak qtz veining with mm scale pyrite veinlets and sharp upper and lower contacts.

STRUCTURES

From	To	Struct	CA	Strain
231.96	231.97	CON	40	
232.34	232.35	CON	30	

231.96–231.97: *sharp upper contact*

232.34–232.35: *sharp lower contact*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
231.96	232.35	-	-	W	M	-	-	-	-	-				

weakly chlorite altered granodiorite with moderate silica

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
231.96	232.35	2	100	0	0	3	45

7-8mm size qtz veins 45 t.c.a. t/o short interval

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
231.96	232.35	0.5	VLT						

From	To	Litho
232.35	238.26	HSLT

Same as interval 222.72 - 231.96m. This interval though contains pyrrhotite within the veining.

STRUCTURES

From	To	Struct	CA	Strain
232.35	232.36	CON	30	

sharp upper contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

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Initials: ______

From	To	Litho
232.35	238.26	HSLT

Same as interval 222.72 - 231.96m. This interval though contains pyrrhotite within the veining.

STRUCTURES

From	To	Struct	CA	Strain
232.36	238.25	FOL	10	W
subparallel to 15- degrees t.c.a. weak foliation				
238.25	238.26	CON	30	
sharp lower conact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
232.35	238.26	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite and silica metasiltstone														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
232.35	238.26	7	100	0	0	6	
core axis orientation varies, but the dominant veining here is cm scale veining with minor mm scale veins also observed							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
232.35	238.26	0.2	VLT	MO	0.3	PO	0.2		
veinlets of pyrite and blebs of FG massive pyrite within veins; moly is moderate t/o veining and preferentially within the cm scale veins and along selvages; mivrfractures have moly infill as well; pyrhotite is observed in this interval within the larger veining as massive blebs (3-5mm)									

From	To	Litho
238.26	240.25	GDIO

Same as interval 231.6 - 232.35m. This granodiorite, however, is mineralized with moly. The moly is present within mm scale hairline fractures. These fractures are offset and cut by the 45 t.c.a. cm scale qtz veins. The cm scale veins do not contain moly, so does this reflect what we see in the metaseds and are the cm scale veins in the seds and the diorite the same vein set? If so then the moly is 1st and the cm scale vein is later. Sharp upper and lower contacts.

STRUCTURES

From	To	Struct	CA	Strain
238.26	238.27	CON	30	
sharp upper contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
238.26	240.25	-	-	W	M	-	-	-	-	-				
weakly chlorite altered granodiorite with moderate silica														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
238.26	240.25	2	100	0	0	5	45
pinkish white 45 t.c.a. qtz veins							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
238.26	240.25	0.1	DISS	MO	0.1				
disseminated pyrite with moly observed as infill within microfractures									

From	To	Litho
238.26	240.25	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
240.24	240.25	CON	10	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
240.25	247.80	HSLT

The hornfelsed metasiltstone exhibits a decrease in veining t/o which also decreases the moly percentage observed. The rock is identical to the previous intervals in all aspects. The core is weakly mineralized, moly is along and within veining. Pyrrhotite remains present within veining but in trace amounts and pyrite is as veinlets t/o.

STRUCTURES

From	To	Struct	CA	Strain
240.25	240.26	CON	10	
sharp upper contact				
240.26	247.79	FOL	20	W
weakly foliated rock ranging from 15 - 35 t.c.a.				
247.79	247.80	CON	10	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
240.25	247.80	-	-	-	M	-	-	-	-	-	M			

hornfelsed metasiltstone with biotite and silica alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
240.25	247.80	1	100	0	0	3	60

cm scale and mm scale veining share the dominance with the mm scale parallel foliation and the cm scale 60 t..c.a.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
240.25	247.80	0.1	VLT	MO	0.1	PO	0.01		

trace PO in veining with veinlets of pyrite and blebs of FG massive pyrite and a decrease in moly in this interval which coincides with the density of veining

From	To	Litho
247.80	248.46	GDIO

Same as interval 238.26 - 240.25m.

STRUCTURES

From	To	Struct	CA	Strain
247.80	247.81	CON	10	
sharp upper contact				
248.45	248.46	CON	30	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
247.80	248.46	-	-	W	M	-	-	-	-	-				
weak chlorite alteration of groundmass and moderate to strong silica alteration pervasive t/o														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
247.80	248.46	1	99	0	1		45
45 t.c.a. mm scale qtz veining with mm fracture infill (carbonate) veinlets t/o							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
247.80	248.46	1	MG	MO	0.01				
1% disseminated MG pyrite t/o with very rare flecks of moly disseminated t/o									

From	To	Litho
248.46	249.87	HSLT

A short interval of hornfelsed metasiltstone with sharp upper and lower contacts and two shorter intersects of diorite intrusive btwn 248.60 - 248.70m and 249.30 - 249.38m. The unit is weakly veined t/o with the dominant vein being the mm scale foliation parallel set. A few observed cm scale veins x-cut core axis. Calcite veinlets cut core orthogonal t.c.a. and are the latest set of veining. Alteration remains as biotite and silica. Mineralization is very weak t/o with pyrite as veinlets and along fracture surfaces as smears of ascicluar massive clots and moly is weakly observed and only within the mm scale veinlets.

STRUCTURES

From	To	Struct	CA	Strain
248.46	248.47	CON	30	
sharp upper contact				
248.47	248.60	FOL	20	VW
very weak foliation fabric of 20 t.c.a.				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
248.46	249.87	-	-	VW	M	-	-	-	-	-	M			
hornfelsed metasiltstone with biotite and silica alteration and very weak chlorite alteration around veining														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
248.46	249.87	0.5	99	0	1	6	20
dominant veining is mm scale qtz veinlets parallel foliation with rare calcite veinlets observed cutting core orthogonal t.c.a.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
248.46	249.87	0.1	VLT	MO	0.1				
pyrite and moly are both very weak t/o; pyrite as veinlets and as smears along fractures and moly in mm scale qtz veinlets only									

From	To	Litho
248.46	249.87	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
248.60	248.70	MASS		
granodiorite dykelet				
248.70	249.30	FOL	20	VW
very weak foliation fabric of 20 t.c.a.				
249.30	249.38	MASS		
granodiorite dykelet				
249.38	249.86	FOL	20	VW
very weak foliation fabric of 20 t.c.a.				
249.86	249.87	CON	45	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
249.87	250.78	GDIO

Another short interval of Granodiorite. Here the dyke is another portion of a bigger group of dyking that appears to be present between 231.96 - 267.00m approximately. This particular intersection of dyke is much more coarser grained than previous intercepts. The GD has well defined, 4-5mm, plagioclase crystals and abundant biotite set in a fine grained greenish grey groundmass. Included within this groundamass are cm scale subrounded clasts of metasiltstone. The core exhibits sharp upper and lower contacts as well. Veining is minimal t/o with very rare pinkish white cm scale qtz veins 45 t.c.a. Mineralization observed t/o is dominantly pyrite, though pyrite is weak t/o and disseminated. Moly is not observed.

STRUCTURES

From	To	Struct	CA	Strain
249.87	249.88	CON	45	
sharp upper contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
249.87	250.78	-	-	VW	M	-	-	-	-	-				
very weak chlorite alteration and moderate silica alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
249.87	250.78	0.01	100	0	0	1	45
very rare veining t/o; pinkish white cm scale qtz veins							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
249.87	250.78	0.1	DISS						
disseminated pyrite									

From	To	Litho
249.87	250.78	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
250.77	250.78	CON	45	

sharp lower contact

From	To	Litho
250.78	254.14	HSLT

Hornfelsed, FG, dark brown, biotite and silica altered metasiltstone, with weak veining and weak mineralization. Contacts are sharp. This particular interval exhibits an interesting vein/moly relationship not yet seen in this drillhole. The moly here, while weakly present runs along the selvages of the veining, but closer examination indicates that the moly here is actually within the metaseds with a separation of 2-3mm away from the edge of the vein, so it is my opinion that this indicates the moly was in place before the veining and possibly as a microfracture infill, in which the vein utilized this fracture later on.

STRUCTURES

From	To	Struct	CA	Strain
250.78	250.79	CON	45	
254.13	254.14	CON	30	

250.78–250.79: *sharp upper contact*

254.13–254.14: *sharp lower contact*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
250.78	254.14	-	-	-	M	-	-	-	-	-	M			

hornfelsed biotite and silica altered metaseds

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
250.78	254.14	1	100	0	0	4	

varying orientations throughout of cm scale and mm scale veining

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
250.78	254.14	0.5	VLT	MO	0.2				

thin veinlets of fg pyrite and moly along selvages of veining

From	To	Litho
254.14	254.56	GDIO

Same as interval 247.80 - 248.46m.

STRUCTURES

From	To	Struct	CA	Strain
254.14	254.15	CON	30	

sharp upper contact

From	To	Litho
254.14	**254.56**	**GDIO**

Same as interval 247.80 - 248.46m.

STRUCTURES

From	To	Struct	CA	Strain
254.55	254.56	CON	20	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
254.14	254.56	-	-	W	M	-	-	-	-	-				

chlorite and silica alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
254.14	254.56	5	100	0	0	4	45

cm scale moly mineralized qtz veining

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
254.14	254.56	2	DISS	MO	0.1				

2-3% MG to FG disseminated pyrite with pyrite veinlets as well; moly is weak but present in micro veining and along selvages of cm scale veins

From	To	Litho
254.56	**265.53**	**HSLT**

Dark brown hornfelsed metasiltstone; fine grained, siliceous, biotite altered with a network of anastomosing mm scale veinlets and micro fractures. Boudined veining is common throughout as well and tends to run subparallel to 20 to core axis. Moly mineralization is apparent within the boudined and the parallel foliation veining. A small 17cm fault is observed btwn 260.42 - 260.59m. Not all of the veining present carries moly, just some of the mm scale parallel foliation and the boudined veins. Pyrrhotite is observed within the boudined veining throughout.

STRUCTURES

From	To	Struct	CA	Strain
254.56	260.42	FOL	20	W

very weak to weak foliation strain t/o

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
254.56	260.42	-	-	-	M	-	-	-	-	-	M			

hornfelsed biotite and silica altered metaseds

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
254.56	265.53	5	98	0	2		25

the dominant vein set is the anastomosing mm scale stringer veinlets throughout he core surface, however, the foliation parallel boudined veining appears to favourably host the moly mineralization; carbonate veining is minor t/o and is observed cutting the core 60 t.c.a.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
254.56	265.53	1	VLT	MO	0.3	PO	0.2		

pyrite is bserved dominantly as veinlets within qtz veining; pyrrhotite is also observed frequently ad often within the boudined veining; moly observed is within the boudined veining and within the microfractures t/o

From	To	Litho
254.56	265.53	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
260.42	260.59	FLT	55	

this a small 17cm faulted and strongly altered chunk of metaseds with carbonate veining bounding its contacts; this piece is assumed to have been faulted into place as it has a completely different alteration, the contacts are very sharp and somewhat gougey and the internal fabric of this piece exhibits strong micro brecciation

From	To	Struct	CA	Strain
260.59	265.52	FOL	20	

very weak to weak foliation strain t/o

From	To	Struct	CA	Strain
265.52	265.53	CON	30	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
260.42	260.59	-	-	M	M	-	-	-	-	-				

chlorite and silica altered faulted wedge of metaseds

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
260.59	265.53	-	-	-	M	-	-	-	-	-	M			

hornfelsed biotite and silica altered metaseds

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
265.53	266.82	GDIO

This granodiorite has a moderate chlorite alteration as well as silica alteration. Pyrite mineralization t/o as disseminated flecks and moly observed within the plagioclase feldspar rich portions of the interval. It appears that there may be feldspar veining and it is within this veining that we observe mm size flecks of moly embedded within.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
265.53	266.82	GDIO

This granodiorite has a moderate chlorite alteration as well as silica alteration. Pyrite mineralization t/o as disseminated flecks and moly observed within the plagioclase feldspar rich portions of the interval. It appears that there may be feldspar veining and it is within this veining that we observe mm size flecks of moly embedded within.

STRUCTURES

From	To	Struct	CA	Strain
265.53	265.54	CON	30	
sharp upper contact				
266.81	266.82	CON	10	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
265.53	266.82	-	-	M	M	-	-	-	-	-				
chlorite and silica altered granodiorite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
265.53	266.82	1	90	10	0		
it appears as though there is feldspar veining within this interval; this has been observed before but here it appears more real (if I can describe it this way). See notes. Weak qtz veining throughout but still the dominant veining							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
265.53	266.82	3	DISS	MO	0.2				
disseminated pyrite t/o with moly as flecks within the granodiorite and within micro fractures									

From	To	Litho
266.82	277.16	HSLT

A strongly veined and strongly mineralized sequence of hornfelsed metasediment. The upper and lower contacts are sharp and shallow t.c.a. There is another faulted wedge of strongly chlorite altered and strongly micro fractured metasediment observed btwn 271.11 - 271.74m with bounding carbonate veined contacts. The core is very well mineralized t/o and much of this mineralization is coincident with vein density and abundant fracturing. Moly is observed along most selvages of the qtz veins, within the fractures and as infill to mm scale veins. Pyrrhotite becomes rich within the core near the bottom of the interval and overall veining constitutes about 10-15% of the core.

STRUCTURES

From	To	Struct	CA	Strain
266.82	266.83	CON	10	
sharp upper contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
266.82	271.11	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite and silica altered metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
266.82	271.11	10	100	0	0	4	25
dominant vein set here are the cm scale large qtz veins; minor mm scale veining anastomosing t/o core as well							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
266.82	271.11	0.5	VLT	MO	0.4				
minor amounts of pyrite present as veinlets t/o veining and smears along fracture surfaces; moly is observed									

From	To	Litho
266.82	**277.16**	**HSLT**

A strongly veined and strongly mineralized sequence of hornfelsed metasediment. The upper and lower contacts are sharp and shallow t.c.a. There is another faulted wedge of strongly chlorite altered and strongly micro fractured metasediment observed btwn 271.11 - 271.74m with bounding carbonate veined contacts. The core is very well mineralized t/o and much of this mineralization is coincident with vein density and abundant fracturing. Moly is observed along most selvages of the qtz veins, within the fractures and as infill to mm scale veins. Pyrrhotite becomes rich within the core near the bottom of the interval and overall veining constitutes about 10-15% of the core.

STRUCTURES

From	To	Struct	CA	Strain
266.83	271.11	FOL	10	VW
very weak foliation strain				
271.11	271.74	FLT	50	
a 63cm falted wedge of strongly altered and fractured metaseds with contacts of gouge material				
271.74	277.15	FOL	5	W
weak subparallel foliation fabric				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
271.11	271.74	-	-	M	M	-	-	-	VW	-				
chlorite altered wedge of faulted metaseds														
271.74	277.16	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite and silica altered metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
271.11	271.74	10	95	0	5		
broken up by fracturing white qtz veining t/o; numerous mm scale hairline qtz veinlets all cut by mm scale hairline calcite veinlets							
271.74	275.95	15	100	0	0	6	25
dominant vein set here are the cm scale large qtz veins; minor mm scale veining anastomosing t/o core as well							

MINERALIZATION

within fracturing and as selvages to cm scale veins

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
271.11	271.74	2	DISS	MO	0.1				
2-3% disseminated pyrite with minor moly both disseminated within core and within large qtz veining									
271.74	275.95	1.5	SM	MO	0.4	PO	0.01		
pyrite observed as disseminated and as semi-massive t/o veining with fewer veinlets of FG pyrite; moly is moderately abundant within fractures, along selvages of cm scale veins and infilling mm scale qtz veins; pyrrhotite is observed but rare									

From	To	Litho
266.82	277.16	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
277.15	277.16	CON	5	

very shallow and sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
275.95	277.16	30	100	0	0	2	25

large 2-4cm qtz veins running shallow to core axis with an internal busted up fabric due to abundant micro fractures t/o

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
275.95	277.16	7	MS	MO	0.5	PO	3		

a strongly mineralized section of the interval nearing the lower contact; veining here is abundant, pyrite is abundant as massive blebs t/o and disseminated, moly increases significantly and observed within and along veining and pyrrhotite is quickly abundant and as massive blebs mixed with the pyrite within the veining; pyrhotite is also disseminated

From	To	Litho
277.16	307.27	GDIO

Finally an interval longer then a core box. This granodiorite is quite different then the others intersected in this hole in that it has a coarser grained texture, has a chlorite altered groundmass, exhibits 'pulses" of even coarser grained sequences, it is denser than most of the granodiorites, it is moderately to strongerly mineralized with pyrite, sphalerite, pyrrhotite, molybdenite, trace chalcopyrite and possible magnetite. The core is moderately veined with cm scale qtz veins, and many of the veins have a drusy texture and are vuggy. The core also appears to have zonations to it wherby areas are more mineralized with moly and pyrite, others are stronger in sphalerite and pyrite and only portions of the core are magnetic due to strength in pyrrhotite presence. The core remains, hard, competent, stiff rock with sharp contacts, but overall has a different appearance. A short interval of hornfelsed metasiltstone is observed btwn 295.90 - 296.15m; also, beyond this point we observe rare cm sized clasts of metaseds within the granodiorite.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
277.16	280.75	1	DISS	MO	0.1	SP	0.1		

1% disseminated pyrite with veinlets observed as well; moly is weakly observed t/o; minor rare sphalerite and pyrrhotite is fine grained within the groundmass of the core

From	To	Litho
277.16	307.27	GDIO

Finally an interval longer then a core box. This granodiorite is quite different then the others intersected in this hole in that it has a coarser grained texture, has a chlorite altered groundmass, exhibits 'pulses" of even coarser grained sequences, it is denser than most of the granodiorites, it is moderately to strongerly mineralized with pyrite, sphalerite, pyrrhotite, molybdenite, trace chalcopyrite and possible magnetite. The core is moderately veined with cm scale qtz veins, and many of the veins have a drusy texture and are vuggy. The core also appears to have zonations to it wherby areas are more mineralized with moly and pyrite, others are stronger in sphalerite and pyrite and only portions of the core are magnetic due to strength in pyrrhotite presence. The core remains, hard, competent, stiff rock with sharp contacts, but overall has a different appearance. A short interval of hornfelsed metasiltstone is observed btwn 295.90 - 296.15m; also, beyond this point we observe rare cm sized clasts of metaseds within the granodiorite.

STRUCTURES

From	To	Struct	CA	Strain
277.16	295.90	MASS		

massive granodiorite

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
277.16	307.27	-	-	M	M	-	-	-	-	-				

moderate to moderate strong chlorite alteration of granodiorite groundmass; silica alteration is also present as moderate

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
277.16	293.00	7	100	0	0		

dominantly cm scale larger qtz veins cutting core orthogonal t.c.a.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
280.75	293.00	3	DISS	MO	0.6	SP	0.3		

pyrite and pyrrhotite are both disseminated throughout core as well as observed within mm scale veinlets associated with moly; sphalerite is observed and more so than above interval

From	To	Litho
277.16	307.27	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
295.90	296.15	MASS		
massive clast of weakly foliated hornfelsed metaseds				
296.15	307.26	MASS		
massive granodiorite				
307.26	307.27	CON	5	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
293.00	307.27	2	99	0	1		
dominantly cm scale larger qtz veins, but fewer than previous described interval; veins here are vuggy; calcite veining present 65 t.c.a. (3-4mm)							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
293.00	307.27	1.5	DISS	MO	0.1	SP	1.5		
spahlerite occurrence increases here to larger clots of the mineral within the qtz veining; pyrite remains disseminated with a slight decrease in presence while pyrrhotite appears to be zonal and on average weakly to moderately present t/o core									

From	To	Litho
307.27	308.67	HSLT

A short interval of strongly magnetic (pyrrhotite) hornfelsed biotite and silica altered, dark brown, fine grained, metasiltstone. The interval has sharp upper and lower contacts. Veining is moderate throughout with the cm scale veins being the dominant, though it is the mm scale veinlets and fractures that host the most of the moly observed. Pyrite and pyrrhoitite are observed t/o the core in 1-2% abundance and occur together within the cm scale veining as smears and disseminated t/o to a lesser degree.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
307.27	308.67	HSLT

A short interval of strongly magnetic (pyrrhotite) hornfelsed biotite and silica altered, dark brown, fine grained, metasiltstone. The interval has sharp upper and lower contacts. Veining is moderate throughout with the cm scale veins being the dominant, though it is the mm scale veinlets and fractures that host the most of the moly observed. Pyrite and pyrrhoitite are observed t/o the core in 1-2% abundance and occur together within the cm scale veining as smears and disseminated t/o to a lesser degree.

STRUCTURES

From	To	Struct	CA	Strain
307.27	307.28	CON	5	
sharp upper contact				
307.28	308.66	FOL	10	VW
very weak foliation strain t/o				
308.66	308.67	CON	10	
sharp irregularly shaped lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
307.27	308.67	-	-	-	M	-	-	-	-	-	M			
hornfelsed metasiltstone w/ biotite and silica alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
307.27	308.67	2	100	0	0		
dominant cm scale qtz veins running shallow t.c.a. with occasional vein orthogonal t.c.a.; minor folation parallel stringer veinlets							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
307.27	308.67	1	MS	PO	1	MO	0.3		
pyrite and pyrrhotite are observed mixed together as massive smears t/o cm scale veins and weakly disseminated t/o core; moly is observed within many of the mm scale veinlets and fractures that weave throughout the core surface as well as along the selvages of the cm scale veins									

From	To	Litho
308.67	309.48	GDIO

This short interval of granodiorite is a deep forest green colour (chlorite alteration?), strongly siliceous, and weakly mineralized t/o. Pyrrhotite, pyrite and moly are observed. Moly is very weak t/o.

STRUCTURES

From	To	Struct	CA	Strain
308.67	308.68	CON	10	
sharp upper contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
308.67	**309.48**	**GDIO**

This short interval of granodiorite is a deep forest green colour (chlorite alteration?), strongly siliceous, and weakly mineralized t/o. Pyrrhotite, pyrite and moly are observed. Moly is very weak t/o.

STRUCTURES

From	To	Struct	CA	Strain
309.47	309.48	CON	5	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
308.67	309.48	-	-	M	S	-	-	-	-	-				

strong silica alteration t/o with moderate to strong chlorite alteration of feldspar groundmass

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
308.67	309.48	6	100	0	0		55

larger cm scale sugary textured qtz veining with minor mm scale veinlets orthogonal t.c.a.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
308.67	309.48	1	DISS	PO	1	MO	0.05		

disseeminated pyrite t/o with pyrrhotite in veining as massive blebs; moly is negligible t/o, with rare moly observed along selvages of veining

From	To	Litho
309.48	**311.22**	**HSLT**

Hornfelsed metaseds with moderate alteration, weaker veining than previous intervals, disseminated pyrite and pyrrhotite t/o and weak moly observed.

STRUCTURES

From	To	Struct	CA	Strain
309.48	309.49	CON	5	

sharp upper contact

From	To	Struct	CA	Strain
309.49	311.21	FOL	5	

very weak shallow t.c.a.

From	To	Struct	CA	Strain
311.21	311.22	CON	5	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
309.48	311.22	-	-	-	M	-	-	-	-	-	M			

hornfelsed biotite and silica altered metaseds

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
309.48	311.22	1	100	0	0		

varying orientations of veinlets t/o

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
309.48	311.22	1	DISS	PO	1	MO	0.1		

disseminated pyrite and pyrrhotite t/o with minor moly in microfractures and mm scale veinlets

From	To	Litho
311.22	316.60	GDIO

This interval of granodiorite is a whitish grey green, strongly siliceous rock, competent and hard with very weak veining, and very weak mineralization t/o. Pyrite is disseminated, but weakly so, pyrrhotite is observed but very weak t/o as well. Moly is observed , but very rarely as specks in the core. Sharp upper and lower contacts shallow t.c.a. two short intervals of metasiltstone are observed btwn 314.61 - 314.77m and 315.55 - 315.88m.

STRUCTURES

From	To	Struct	CA	Strain
311.22	311.23	CON	5	
sharp upper contact				
311.23	314.61	MAS		S
massive granodiorite				
314.61	314.77	MAS		S
foliated metasiltstone clast				
314.77	315.55	MAS		S
massive granodiorite				
315.55	315.88	MAS		S
foliated metasiltstone clast				
315.88	316.59	MAS		S
massive granodiorite				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
311.22	314.61	-	-	W	S	-	-	-	-	-				
strongly siliceous and weakly chlorite altered granodiorite														
314.61	314.77	-	-	-	M	-	-	-	-	-	M			
hornfelsed metaseds with biotite and silica alteration														
314.77	315.55	-	-	W	S	-	-	-	-	-				
strongly siliceous and weakly chlorite altered granodiorite														
315.55	315.88	-	-	-	M	-	-	-	-	-	M			
hornfelsed metaseds with biotite and silica alteration														
315.88	316.60	-	-	W	S	-	-	-	-	-				
strongly siliceous and weakly chlorite altered granodiorite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
311.22	316.60	1	100	0	0		
very weak veining throughout							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
311.22	316.60	0.5	DISS	PO	0.5	MO	0.01		
disseminated pyrite and pyrrhotite with very rarely observed moly flecks									

Initials: ________

From	To	Litho
311.22	316.60	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
316.59	316.60	CON	40	

sharp irregularly shaped lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
316.60	320.94	HSLT

Hornfelsed metaseds with moderate biotite and silica alteration. Sharp upper and lower, shallow t.c.a. contacts. Moly mineralization is very weak from 316.60-318.00m before picking up considerably between 318.00 - 320.94m as observed within mm scale veinlets.

STRUCTURES

From	To	Struct	CA	Strain
316.60	316.61	CON	40	
316.61	320.93	FOL	15	

316.60–316.61: *sharp upper contact*

316.61–320.93: *weak foliation strain*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
316.60	320.94	-	-	-	M	-	-	-	-	-	M			

hornfelsed biotite and silica altered metaseds

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
316.60	320.94	8	100	0	0		10

most of the dominant cm scale qtz veins are shallow t.c.a. with network of mm scale veining t/o

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
316.60	318.00	2	VLT	PO	0.5	MO	0.1		
318.00	320.94	2	VLT	PO	1	MO	0.5		

316.60–318.00: *veinlets of fg pyrite and smears along fracture surfaces with minor disseminated pyrrhotite; moly here is rarely observed*

318.00–320.94: *veinlets of fg pyrite, increased disseminated pyrrhotite and moly is strong within the mm scale veining weaving over the core*

From	To	Litho
316.60	320.94	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain
320.93	320.94	CON	10	

sharp lower contact shallow t.c.a.

ALTERATION													
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
320.94	335.87	GDIO

This granodiorite is a whitish grey to greyish green coarse grained, competent, hard, siliceous, very weakly mineralized intrusive. Sharp contacts. The core appears to have cumulative zones of coarser grained portions intercalated with medium grained portions. Moly is not observed within this dioritic intrusive.

STRUCTURES				
From	To	Struct	CA	Strain
320.94	320.95	CON	10	
		sharp upper contact		
320.95	335.86	MASS		
		massive siliceous granodiorite		
335.86	335.87	CON	40	
		sharp lower contact		

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
320.94	335.87	-	-	VW	S	-	-	-	-	-				

very weak chlorite alteration and a moderate to strong silicification

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
320.94	335.87	1	100	0	0	2	55

weak veining t/o interval; veins are cm scale qtz veins with minor qtz veinlets

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
320.94	335.87	1	DISS	CP	0.1				

0.5-1% FG disseminated pyrite t/o with minor chalcopyrite disseminated t/o

From	To	Litho
335.87	339.35	HSLT

Hornfelsed metasiltstone with biotite and silica alteration, network of stockwork veinlets throughout and minor cm scale qtz veins subparallel core axis. Mineralization weak to weaky moderate t/o.

STRUCTURES

From	To	Struct	CA	Strain
335.87	335.88	CON	40	
sharp upper contact				
335.88	339.34	FOL	15	
weak foliation fabric				
339.34	339.35	CON	5	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
335.87	339.35	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite and silica altered metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
335.87	339.35	2	100	0	0		
mm scale veins are the dominant vein set here with varying orientations; larger cm scale veins are present with subparallel core axis angles							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
335.87	337.41	1	VLT	MO	0.5				
veinlets of pyrite within qtz veining and within fractures; moly here is moderate within mm scale veins									
337.41	339.35	1	VLT	MO	0.1				
veinlets of pyrite within qtz veining and within fractures; moly here has decreased in presence to rarely observed within fractures and mm scale veins									

From	To	Litho
339.35	**340.61**	**GDIO**

Another intercept of siliceous granodiorite with no moly mineralization.

STRUCTURES

From	To	Struct	CA	Strain
339.35	339.36	CON	5	
sharp upper contact				
340.60	340.61	CON	45	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
339.35	340.61	-	-	W	S	-	-	-	-	-				
weak chlorite and moderate silica alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
339.35	340.61	1	100	0	0	3	55
cm scale veining orthogonal t.c.a.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
339.35	340.61	2	DISS	PO	1				
disseminated pyrite and pyrrhotite									

From	To	Litho
340.61	**345.28**	**HSLT**

Hornfelsed metasiltstone with two larger clasts of granodiorite btween 341.54 - 341.78m and 342.60 - 342.90m. Moly mineralization here is weak.

STRUCTURES

From	To	Struct	CA	Strain
340.61	340.62	CON	45	
sharp upper contact				
340.62	345.27	FOL	15	
weak foliation strain				
345.27	345.28	CON	45	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
340.61	345.28	-	-	-	S	-	-	-	-	-	M			
strong silica alateration and moderate biotite honrfels														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
340.61	345.28	3	100	0	0	12	45
numerous x-cutting 45 t.c.a. varying directions qtz veins creating a stockworking t/o the core							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
340.61	345.28	1	VLT	MO	0.1				
veilets of pyrite and smears along fractures with moly being observed as weak in mm scale veins									

From	To	Litho
345.28	**346.36**	**GDIO**

Short interval of silica altered whitish grey competent, medum grained, granodiorite with no moly mineralization.

STRUCTURES

From	To	Struct	CA	Strain
345.28	345.29	CON	45	
sharp upper contact				
346.35	346.36	CON	50	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
345.28	346.36	-	-	VW	M	-	-	-	-	-				
weakly altered granodiorite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
345.28	346.36	1	100	0	0		
weak qtz veining; barren							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
345.28	346.36	1	DISS						
no moly; disseminated pyrite									

From	To	Litho
346.36	**348.72**	**HSLT**

Dark brown hornfelsed metasiltstone with localized zones of greenish brown colour where the metaseds appear milled about and the pyrite content here jumps in percentage. Moly is recognized within the mm scale veins and fractures and in lesser fashion along the selvages of the cm scale veining.

STRUCTURES

From	To	Struct	CA	Strain
346.36	346.37	CON	50	
sharp upper contact				
346.37	348.71	FOL	20	
weak foliation				
348.71	348.72	CON	40	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
346.36	348.72	-	-	-	M	-	-	-	-	-	M			
hornfelsed metaseds; bio and sil alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
346.36	348.72	10	100	0	0		
cm scale larger veins are dominant here, but they have a varying orientation across the core							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
346.36	348.72	3	DISS	MO	0.3	PO	0.1		
2-3% disseminated pyrite and pyrite along fractures and within veining; pyrrhotite is weak throughout while moly appears to be contained in the mm scale veinlets with some moly observed along selvages of larger veins									

From	To	Litho
346.36	348.72	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
348.72	354.63	GDIO

A longer interval of whitish grey competent homogenous granodiorite with little alteration; minor silica. Pyrite is disseminated throughout, moly is weakly observed. Veining is very weak and 4-5mm at best for size, except for a larger bull vein btwn 355.15 - 355.30m.

STRUCTURES

From	To	Struct	CA	Strain
348.72	348.73	CON	40	
sharp upper contact				
348.73	351.33	MASS		
granodiorite				
351.33	351.59	MASS		
weakly foliated metased xenolith				
351.59	354.62	MASS		
granodiorite				
354.62	354.63	CON	50	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
348.72	354.63	-	-	-	W	-	-	-	-	-				
weakly silica altered granodiorite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
348.72	354.63	1	100	0	0		
weak veining throughout; 4-5mm at best on average; see notes							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
348.72	354.63	1	DISS	MO	0.01				
diss py with very weak moly in veins only									

From	To	Litho
354.63	357.10	HSLT

A short interval of hornfelsed metasediments. The core is hard, siliceous, weakly veined and weakly mineralized throughout.

STRUCTURES

From	To	Struct	CA	Strain
354.63	354.64	CON	50	
sharp upper contact				
354.64	357.09	FOL	20	W
weak foliation strain				
357.09	357.10	CON	45	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
354.63	357.10	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite, silica altered metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
354.63	357.10	2	100	0	0		
weak veining t/o with m mscale veins							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
354.63	357.10	0.5	VLT	MO	0.1				
weak pyrite in veinlets in qtz veining and moly is weak and observed within fractures and mm scale veins									

From	To	Litho
357.10	361.86	GDIO

This granodiorite is quite different from any other in the drillhole in that this intrusive is exhibits argillic alteration? The core is very white, lots of plagioclase feldspar that appear to be weathered and the fracturing appears rotted and gougey. No significant mineralization in this diorite. But this diorite appears altered differently than any of the others intersected, suggesting that we have numerous episodes of intrusive diorites in this area.

STRUCTURES

From	To	Struct	CA	Strain
357.10	357.11	CON	45	
sharp upper contact				
361.85	361.86	CON	30	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
357.10	361.86	-	W	-	W	-	-	-	-	-				
weak argillic alteration; clayey infill and gouge along all fractures														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
357.10	361.86	1	100	0	0		
varying orientations of mm scale qtz veins t/o							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
357.10	361.86	1	DISS						
disseminated pyrite only observed here									

From	To	Litho
357.10	361.86	GDIO

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
361.86	375.35	HSLT

Hornfelsed biotite and silica altered, moderately stockwork veined metasiltstone. Mineralization is weak t/o, but moly is observed, just in weak amounts.

STRUCTURES

From	To	Struct	CA	Strain
361.86	361.87	CON	30	
sharp upper contact				
361.87	375.34	FOL	20	VW
very weak strain foliation t/o				
375.34	375.35	CON	15	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
361.86	375.35	-	-	-	M	-	-	-	-	-	M			
hornfelsed biotite and silica altered metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
361.86	375.35	3	100	0	0		
a stockworking of mm scale veins are the dominant vein set here with minor cm scale microfractured qtz veins observed throughout							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
361.86	375.35	1	VLT	MO	0.1				
pyrite is observed mainly as veilets t/o the core and also as smears along fractures and within qtz veining; moly is weak t/o the core and present within fractures and mm scale veins									

From	To	Litho
375.35	**381.67**	**QFP**

This interval is a dark green, strongly siliceous, fine grained porphyritic quartz feldspar porphyry dyke with sharp upper and lower contacts. The core has a "milled" appearance, whereby the rock is medium grained and sugary looking with mm scale qtz eyes and feldspars all mixed up in a strongly chloritic altered groundmass. Perhaps the abundance of disseminated pyrite enhances the "different" textured look of the core. Unfortunately I believe I have seen this in the drillhole already, but mistakenly called it a granodiorite; though the interval earlier was small in comparison. Mineralization t/o is dominantly pyrite disseminations with pyrrhotite, possible chalcopyrite and NO moly observed. Epidote is observed in clotty localized zones generally associated with increased veining. Pervasive carbonate alteration throughout the core interval.

STRUCTURES

From	To	Struct	CA	Strain
375.35	375.36	CON	15	
375.36	381.66	MASS		
massive, siliceous, hard, milled looking, dark green QFP dyke				
381.66	381.67	CON	30	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
375.35	381.67	-	-	S	S	-	M	-	M	VW				
propylitic alteration with strong silica, chlorite and weak epidote alteration.														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
375.35	381.67	5	95	0	5		
anastomosing stockwork qtz veining throughout, milled and broken veining t/o; with a 5% carbonate presence with calcite veinlets cutting core 55 t.c.a.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
375.35	381.67	5	DISS	PO	1				
4-5% MG and FG disseminated pyrite wit hpyrite veinlets as well' pyrrhotite is mixed in the pyrite within the veining; moly not observed									

From	To	Litho
381.67	**387.25**	**GDIO**

The upper and lower contacts are sharp. The upper contact with the overlain QFP is very sharp and exhibits the definte change in lithologies. The core is massive, light green white grey coloured, medium grained and weakly veined and mineralized.

STRUCTURES

From	To	Struct	CA	Strain
381.67	381.68	CON	30	
sharp upper contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
381.67	387.25	GDIO

The upper and lower contacts are sharp. The upper contact with the overlain QFP is very sharp and exhibits the definte change in lithologies. The core is massive, light green white grey coloured, medium grained and weakly veined and mineralized.

STRUCTURES

From	To	Struct	CA	Strain
387.24	387.25	CON	40	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
381.67	387.25	-	-	W	S	-	-	-	-	-				

weakly altered granodiorite

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
381.67	387.25	1	100	0	0	4	55

55 t.c.a. 5-7mm pinkish white qtz veins dominant this interval

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
381.67	387.25	1	DISS	MO	0.01				

disseminated MG pyrite with trace moly along selvages of few mm scale qtz veins

From	To	Litho
387.25	389.15	HSLT

Dark brown, FG, weakly foliated, biotite and silica altered metasiltstone with weak pyrite mineralization and weak moly mineralization. Moly observed along vein selvages and within mm scale fractures and veining as well as disseminated within metaseds along the selvage edges.

STRUCTURES

From	To	Struct	CA	Strain
387.25	387.26	CON	40	

sharp upper contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
387.25	389.15	-	-	-	M	-	-	-	-	-	M			

hornfelsed biotite and silica altered metasiltstone

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
387.25	389.15	10	100	0	0	4	15

cm scale larger qtz veins dominate this interval with veining at the upper contact

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
387.25	389.15	1	VLT	MO	0.2				

veinlets of FG pyrite fill the microfractures t/o and smears along fractures with rare disseminated pyrite; moly is observed infewer frequency than previous intervals, but it is along selvages of cm scale veining and infilling microveining; also noted is that the mly is disseminated within the metaseds along the selvages edges (not abutted the vein, but instead within the metaseds)

From	To	Litho
387.25	389.15	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
387.26	389.14	FOL	5	VW
very weak strain foliation				
389.14	389.15	CON	5	
shallow t.c.a. sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
389.15	399.55	GDIO

This granodiorite is a greenish coloured to white green coloured strongly siliceous rock with very little veining and weak moly mineralization overall. Pyrite is present as disseminated MG flecks while, pyrrhotite is observed rarely within few veins. Moly is observed within fractures and along selvages of cm scale qtz veins. The rock goes in and out of fine grained and medium grained cumulative phases throughout the entire interval length, while the pyrite appears stronger within the fine grained portions and the moly appears stronger within the medium grained (classic diorite) portions.

STRUCTURES

From	To	Struct	CA	Strain
389.15	389.16	CON	5	
sharp upper contact				
399.54	399.55	CON	45	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
389.15	399.55	-	-	W	S	-	-	-	-	-				
weak chlorite alteration and moderately strong silica t/o														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
389.15	399.55	2	99	0	1	7	50
on average 1cm size scale veining of qtz 50-55 t.c.a; mm scale veinlets of calcite also obsered t/o, but uncomon							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
389.15	399.55	2	DISS	MO	0.1	PO	0.01		
1-% disseminated pyrite t/o with trace, but present, pyrrhotite and weak moly mineralization within few mm scale fractures and occasionally along selvages of larger qtz veins.									

From	To	Litho
399.55	400.36	HSLT

A very short interval of crackled hornfelsed metasiltstone with a lot of stockwork veining throughout. The unit appears very "cracked" possibly due to the underlain fault. Pyrite is weak t/o and moly was not observed in the any of the veining.

STRUCTURES

From	To	Struct	CA	Strain
399.55	399.56	CON	45	
sharp upper contact				
399.56	400.35	FOL		
foliation here varies as this hornfelsed unit is somewhat brecciated and exhibits a moderate strain along the contacts. See notes.				
400.35	400.36	CON	25	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
399.55	400.36	-	-	-	S	-	-	-	-	-	M			
moderate biotite and silica altered hornfelsed metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
399.55	400.36	15	98	0	2		
an abundance of stockwork veining t/o lower contact is a fault and may have affected this unit							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
399.55	400.36	1	VLT						
weak pyrite as veinlets and no moly observed									

From	To	Litho
400.36	403.02	GDIO

Fault:

This interval is entirely a fault and made up of busted reworked granodiorite. The contacts are sharp and appear healed. The whole fault is a rehealed and quite competent with a brecciated texture of angular to subangular clasts set in a fine grained dark matrix of qtz and feldspar and biotite and mafic minerals (non magnetic). The core exhibits a strong reworked fabric whereby the interval appears to be re-opened at least 3 times. The core is strongly mineralized with pyrite and rare pyrrhotite, but moly is observed in only 2 instances within the fault and minor at that.

STRUCTURES

From	To	Struct	CA	Strain
400.36	400.37	CON	25	
sharp upper contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
400.36	403.02	GDIO

Fault:

This interval is entirely a fault and made up of busted reworked granodiorite. The contacts are sharp and appear healed. The whole fault is a rehealed and quite competent with a brecciated texture of angular to subangular clasts set in a fine grained dark matrix of qtz and feldspar and biotite and mafic minerals (non magnetic). The core exhibits a strong reworked fabric whereby the interval appears to be re-opened at least 3 times. The core is strongly mineralized with pyrite and rare pyrrhotite, but moly is observed in only 2 instances within the fault and minor at that.

STRUCTURES

From	To	Struct	CA	Strain
400.37	403.01	FLT		
reworked healed fault				
403.01	403.02	CON	35	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
400.36	403.02	-	W	-	W	-	-	-	W	-			M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
400.36	403.02	25	98	0	2		
busted up and broken and re-orientated qtz vein pieces t/o interval of fault with calcite veining after the fact cutting core orthogonal t.c.a.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
400.36	403.02	7	DISS	MO	0.01	PO	0.1		
5-10% disseminated pyrite t/o with very weak moly in flecks within core									

From	To	Litho
403.02	409.42	GDIO

Silica altered and weakly chlorite altered granodiorite with sharp upper and lower contacts, weak moly mineralization, abundant disseminated pyrite and moderate veining t/o.

STRUCTURES

From	To	Struct	CA	Strain
403.02	403.03	CON	35	
sharp upper contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
403.02	409.42	-	-	W	M	-	-	-	-	-				
mod to strong silica t/o with weak to moderate chorite alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
403.02	409.42	5	100	0	0		5
most of the veining is cm scale veins running subparallel t.c.a							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
403.02	409.42	5	DISS	MO	0.1				
abundant disseminated pyrite with moly along selvages of cm scale veining									

From	To	Litho
403.02	409.42	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
403.03	409.41	MAS		S
		massive granodiorite		
409.41	409.42	CON	45	
		sharp lower contact		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
409.42	412.41	HSLT

A hornfelsed biotite and silica altered metasiltstone with sharp contacts, strong stockworking of qtz veining and 3-4% pyrite; no moly observed.

STRUCTURES

From	To	Struct	CA	Strain
409.42	409.43	CON	45	
		sharp upper contact		
409.43	410.15	BX		S
		zone of moderate alteration and brecciation		
410.15	412.40	FOL	25	VW
		weak foliation strain		
412.40	412.41	CON	50	
		sharp lower contact		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
409.42	412.41	-	-	-	M	-	-	-	-	-	M			

hornfelsed biotite and silica altered metaseds

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
409.42	412.41	10	100	0	0		

a strong network of stockwork veining t/o with mostly mm scale veins and fewer cm scale veins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
409.42	412.41	3	VLT						

3-4% veinlets t/o with FG dissemiated pyrite locally; no moly observed.

From	To	Litho
412.41	413.06	GDIO

Short interval of greenish grey chlorite and silica altered granodiorite.

STRUCTURES

From	To	Struct	CA	Strain
412.41	412.42	CON	50	
sharp upper contact				
413.05	413.06	CON	30	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
412.41	413.06	-	-	M	M	-	-	-	-	-				
moderate chlorite and silica alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
412.41	413.06	0.5	60	0	40		
even distribution of mm scale hairline qtz and calcite veining t/o							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
412.41	413.06	0.5	DISS						
weak mineralization t/o with 0.5% disseminated pyrite									

From	To	Litho
413.06	414.23	HSLT

The upper portion of this interval btwn 413.06 - 413.61m is another faulted zone of brecciated and milled hornfels metaseds inundated with busted up veining and disseminated pyrite. Moly is observed in the lower portion of the hornfels unit away from the fault.

STRUCTURES

From	To	Struct	CA	Strain
413.06	413.07	CON	30	
sharp upper contact				
413.07	413.61	FLT		
moderate messed up brecciated and milled looking fault at the upper				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
413.06	413.61	-	-	M	-	-	-	-	M	-				
faulted zone exhibits chlorite and carbonate pervasive throughout														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
413.06	414.23	1	98	0	2		
mostly mm scale stockwork qtz veining with calcite veining minor t/o. A larger 10 cm qtz vein is observed at the lower contact							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
413.06	413.61	3	DISS						
3-4% disseminated pyrite									

From	To	Litho
413.06	414.23	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
portion of the granodiorite and metaseds contact				
413.61	414.22	FOL	15	VW
very weak strain foliation				
414.22	414.23	CON	30	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
413.61	414.23	-	-	-	M	-	-	-	VW	-	M			
hornfelsed biotite and silica altered metaseds with minor pervasive calcite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
413.61	414.23	3	VLT	MO	0.1				
3-4% veinlets of pyrite and disseminated pyrite; moly is weakly observed but within the veining									

From	To	Litho
414.23	416.28	GDIO

A short interval of greenish white silica altered granodiorite with decent veining t/o and moly mineralization within.

STRUCTURES

From	To	Struct	CA	Strain
414.23	414.24	CON	30	
sharp upper contact				
416.27	416.28	CON	90	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
414.23	416.28	-	-	W	M	-	-	-	VW	-				
silica and chlorite altered GD														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
414.23	416.28	5	100	0	0	6	65
large cm scale qtz veins are dominant with minor mm scale veinlets							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
414.23	416.28	2	DISS	MO	0.3				
FG disseminated pyrite and weak to moderate moly within the qtz veining									

From	To	Litho
416.28	451.00	QFP

A large greenish yellow, fine to medium grained, quartz feldspar porphyry dyke with sharp upper and lower contacts. The rock begins fine grained and grades into medium grade and then back into fine grained again, but this time with 1% mm sized biotite crystals and then coarse grained and finally ends as a fine grained weakly foliated dyke at the lower contact. Mineralization is weak disseminations of pyrite and veining is very weak and dominantly mm hairline calcite veinlets. The core appears to be chlorite and calcite altered.

STRUCTURES

From	To	Struct	CA	Strain
416.28	416.29	CON	90	
sharp upper contact				
416.29	450.99	MASS		
massive QFP dyke				
450.99	451.00	CON	15	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
416.28	451.00	-	-	M	W	-	-	-	M	-				
moderate chlorite alteration t/o with pervasive calcite alteration and weak silica														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
416.28	451.00	0.1	0	0	100	4	50
very rare hairline mm scale calcite veins							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
416.28	451.00	1	DISS						
disseminated FG to MG pyrite									

From	To	Litho
451.00	**459.67**	**GDIO**

Another interval of moderately strong chlorite and silica altered granodiorite with weak pyrite mineralization and weaker moly mineralization. Between 47.80 - 459.67m the core appears to be faulted.

STRUCTURES

From	To	Struct	CA	Strain
451.00	451.01	CON	15	
sharp upper contact				
451.01	457.80	MAS S		
massive granodiorite				
457.80	459.66	FLT		
faulted granodiorite				
459.66	459.67	CON	30	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
451.00	457.80	-	-	M	S	-	-	-	W	-				
moderate chlorite alteration leaves the core the green colour; while it remains strongly silicified with a weak pervasive calcite alteration t/o														
457.80	459.33	-	M	W	W	-	-	-	M	-				
fault is gougey with clayey materials, and competent bits still have silica and weak chlorite alteration; moderate carbnate alteration t/o fault														
459.33	459.67	-	-	M	S	-	-	-	-	-				
siliceous and chloritic end contact of fault														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
451.00	457.80	2	98	0	2		
dominantly mm scale qtz veins with later calcite veining							
457.80	459.33	1	98	0	2		
weak veining of qtz and calcite							
459.33	459.67	10	100	0	0		
abundant qtz veining at end contact zone							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
451.00	457.80	1	DISS	MO	0.01				
weak disseminated pyrite and even weaker presence of moly									
457.80	459.67	3	FG						
FG massive blebs of pyrite. No moly observed.									

From	To	Litho
459.67	**460.55**	**HSLT**

Strongly siliceous hornfelsed metasiltstone with a strong stockwork veining t/o. Contacts are sharp. Mineralization is primarily pyrite with minor weak moly in cm scale veins.

STRUCTURES

From	To	Struct	CA	Strain
459.67	459.68	CON	30	
sharp upper contact				
459.68	460.54	MASS		
massive metaseds				
460.54	460.55	CON	25	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
459.67	460.55	-	-	-	S	-	-	-	-	-	M			

strong silica alteration and moderate biotite alteration t/o the hornfelsed metaseds

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
459.67	460.55	20	100	0	0		

s strong stockworking of qtz veining t/o; cm and mm scale veining

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
459.67	460.55	5	DISS	MO	0.2	PO	1		

5-7% FG disseminated pyrite thoughout (brought in with silica?); diss pyrrhotite is observed as core is magnetic; moly is observed within the cm scale veining only

---

From	To	Litho
460.55	**461.47**	**GDIO**

A short strongly siliceous interval of chlorite altered and silica altered granodiorite. Weak disseminated pyrite with no moly observed.

STRUCTURES

From	To	Struct	CA	Strain
460.55	460.56	CON	25	
sharp upper contact				
461.46	461.47	CON	15	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
460.55	461.47	-	-	M	S	-	-	-	-	-				

strong silica alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
460.55	461.47	2	100	0	0		

a moderate network of stockwork mm scale qtz veining

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
460.55	461.47	1	DISS						

diss py t/o

From	To	Litho
460.55	461.47	GDIO

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION													
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
461.47	464.13	HSLT

A short interval of messed up looking metasiltstone. A lot of veining as a stockwork t/o, giving a crackle texture. A moderately chlorite altered fault breccia between 463.15 - 464.13m. Mineralization is weak thoughout.

STRUCTURES

From	To	Struct	CA	Strain
461.47	461.48	CON	15	
sharp upper contact				
461.48	463.15	MASS		
massive metaseds with slight breccia texture				
463.15	464.12	BX	20	
breccia and/or fault here; altered, veined, broken up and moderately foliated				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
461.47	463.15	-	-	-	S	-	-	-	-	-	M			
hornfelsed biotite and silica altered metaseds														
463.15	464.13	-	-	M	W	-	-	-	-	-				
chlorite altered fault breccia														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
461.47	464.13	15	100	0	0		
a stockworking of cm scale and mm scale qtz veining in varying orientations							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
461.47	464.13	1	VLT	MO	0.01				
weak pyrite disseminated and as veinlets t/o with very weak moly observed in veining									

From	To	Litho
461.47	464.13	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
464.12	464.13	CON	20	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
464.13	497.56	GDIO

A large intersection of weakly chlorite and moderately silica altered, competent, medium to coarse grained granodiorite with sharp upper and lower contacts. The diorite exhibits rare metasiltstone inclusions or xenoliths (1-2cm size) and is weakly veined throughout its length; qtz veining dominantly. Mineralization is weak with disseminated pyrite and rarely observed moly along selvages of cm scale veins.

STRUCTURES

From	To	Struct	CA	Strain
464.13	464.14	CON	20	
	sharp upper contact			
464.14	497.55	MAS S		
	massive granodiorite			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
464.13	497.56	-	-	-	M	-	-	-	-	-				

moderately siliceous fresh granodiorite

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
464.13	497.56	2	100	0	0	6	

an even distribution of mm scale qtz veins and larger cm scale qtz veins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
464.13	497.56	1	DISS	MO	0.01	CP	0.01		

mineralization is weak t/o with 1-1.5% disseminated pyrite and occasional local zones of veilets of pyrite; moly is observed very rarely and within some of the larger cm scale qtz veins

From	To	Litho
464.13	497.56	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
497.55	497.56	CON	45	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
497.56	500.40	HSLT

A very siliceous dark brown hornfelsed metasiltstone with a strong stockwork veining t/o. The contacts are sharp, the core is biotite and silica altered, veining is dominantly mm scale anastomosing qtz veinlets with fewer 45 t.c.a. cm scale qtz veins. All styles of qtz veining observed contains moly and pyrite. Pyrites present within the veins and within fractures as veinlets. Moly mineralization here is moderate.

STRUCTURES

From	To	Struct	CA	Strain
497.56	497.57	CON	45	
497.57	500.39	MASS		
500.39	500.40	CON	5	

497.56–497.57: *sharp upper contact*

497.57–500.39: *massive metaseds with no discernable foliation*

500.39–500.40: *sharp lwoer contact shallow t.c.a.*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
497.56	500.40	-	-	-	S	-	-	-	-	-	M			

biotite and silica altered metaseds

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
497.56	500.40	10	100	0	0		

anastomosing stockwork qtz veining with x-cutting core axis cm scale qtz veins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
497.56	500.40	1	VLT	MO	0.5				

pyrite in veinlets and moly as selvages to cm scale veins and as infill to mm scale veins

From	To	Litho
500.40	501.90	GDIO

A short interval of greenish grey fine grained siliceous, chlorite altered granodiorite. The core is competent, hard, weakly mineralized and weakly veined t/o. Veining does exhibit minor moly along selvages with moly also observed disseminated within core around fractures.

STRUCTURES

From	To	Struct	CA	Strain
500.40	500.41	CON	5	
sharp upper contact				
501.89	501.90	CON	25	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
500.40	501.90	-	-	M	S	-	-	-	-	-				
chlorite and silica altered diorite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
500.40	501.90	0.5	100	0	0		45
minimal veining (4-7mm) t/o 45 t.c.a.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
500.40	501.90	1	DISS	MO	0.05	CP	0.5		
weak moly along vein selvages and within fractures; disseminated pyrite; disseminated CP									

From	To	Litho
501.90	514.57	HSLT

A lengthy interval of strongly siliceous, dark brown, fine grained metasiltstone with an abundance of stockwork qtz veining. Both mm scale and cm scale qtz veins present throughout the core. Moly here is moderate as dictated by the number of veins present. This zone is likely the mineralized body at vertical depth beneath historical drillhole 81-6. Moly in fractures, along selvages and as infill within mm scale qtz veins. Pyrite present as veinlets and to a lesser extent, disseminated.

STRUCTURES

From	To	Struct	CA	Strain
501.90	501.91	CON	25	
sharp upper contact				
501.91	514.56	MASS		
no discernable foliation				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
501.90	514.57	-	-	-	S	-	-	-	-	-	M			
biotite and silica altered hornfelsed metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
501.90	514.57	15	100	0	0		
anastomosing mm scale veins and cm scale veins 45 t.c.a. t/o core length							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
501.90	514.57	2	VLT	MO	0.7				
veinlets, massive, fine grained and disseminated pyrite t/o; moly is abundant here compared to other intervals as it is commonly observed within and along veins.									

From	To	Litho
501.90	514.57	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
514.56	514.57	CON	10	

sharp lower contact

From	To	Litho
514.57	516.22	GDIO

same as interval 500.40 - 501.90m

STRUCTURES

From	To	Struct	CA	Strain
514.57	514.58	CON	10	
516.21	516.22	CON	90	

514.57–514.58: *sharp upper contact*

516.21–516.22: *sharp lower contact*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
514.57	516.22	-	-	M	S	-	-	-	-	-				

chlorite and silica altered granodiorite

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
514.57	516.22	1	100	0	0		

weakly veined t/o with cm scale qtz veins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
514.57	516.22	1	DISS	MO	0.1	CP	0.5		

1-2% MG disseminated pyrite with weak moly along veining; disseminated CP

From	To	Litho
516.22	524.76	HSLT

Hornfelsed metasiltstone with strong silica alteration and moderate veining. Larger (1-3cm) qtz veins are observed about 6 per metre and at a consistent 45 t.c.a. with minor showings of mm scale qtz veining anastomosing over core. Mineralization observed is pyrite, sphalerite and moly. Pyrite is observed as disseminated, veinlets and semi-massive t/o core with sphalerite observed only within the cm scale veins. Moly observed is along the selvages of the veins and within the microfractures and mm scale veins. Granodiorite enoliths observed within at 519.14 - 520.14m and 521.45 - 521.86m.

STRUCTURES

From	To	Struct	CA	Strain
516.22	516.23	CON	90	

sharp upper contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
516.22	524.76	HSLT

Hornfelsed metasiltstone with strong silica alteration and moderate veining. Larger (1-3cm) qtz veins are observed about 6 per metre and at a consistent 45 t.c.a. with minor showings of mm scale qtz veining anastomosing over core. Mineralization observed is pyrite, sphalerite and moly. Pyrite is observed as disseminated, veinlets and semi-massive t/o core with sphalerite observed only within the cm scale veins. Moly observed is along the selvages of the veins and within the microfractures and mm scale veins. Granodiorite enoliths observed within at 519.14 - 520.14m and 521.45 - 521.86m.

STRUCTURES

From	To	Struct	CA	Strain
516.23	519.86	MAS		S
massive non foliated metaseds				
519.86	520.14	MAS		S
masive chlorite altered granodiorite				
520.14	521.45	MAS		S
massive non foliated metaseds				
521.45	521.86	MAS		S
massive chlorite altered granodiorite				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
516.22	519.86	-	-	-	S	-	-	-	-	-	M			
silica and biotite altered hornfelsed metaseds														
519.86	520.14	-	-	M	S	-	-	-	-	-				
chlorite and silica altered granodiorite														
520.14	521.45	-	-	-	S	-	-	-	-	-	M			
silica and biotite altered hornfelsed metaseds														
521.45	521.86	-	-	M	S	-	-	-	-	-				
chlorite and silica altered granodiorite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
516.22	524.76	2	100	0	0	5	45
dominant qtz vein here are the large (1-3cm) cm scale vein with minor mm scale veining anastomosing over core surface							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
516.22	524.76	2	SM	MO	0.4	SP	0.3		
1-2% semi massive, fine grained, disseminated pyrite, and veinlets of semi massive pyrite; moly is still observed in moderate amounts along the vein selvages and within microfractures. Sphalerite is observed here in fair amounts as larger cm clots t/o cm scale veins									

From	To	Litho
516.22	524.76	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
521.86	524.75	MASS		
massive non foliated metaseds				
524.75	524.76	CON	5	
sharp lower contact shallow t.c.a.				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
521.86	524.76	-	-	-	S	-	-	-	-	-	M			
silica and biotite altered hornfelsed metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
524.76	530.51	GDIO

same as interval 500.40 - 501.90m. A very competent, strongly siliceous, moderate to strongly chlorite altered granodiorite with a very fine grained groundmass. This diorite has moderate pyrite and chalcopyrite disseminated t/o with weakly observed moly associated with much of the veining. Veining throughout is moderate; up to 10% qtz veining. The core appears to have a brittle deformation crackle texture, whereby the rock was inundated with force and snapped open with qtz infilling the fractures. The core is very hard, competent and stiff.

STRUCTURES

From	To	Struct	CA	Strain
524.76	524.77	CON	5	
sharp upper contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
524.76	530.51	-	-	S	S	-	-	-	-	-				
moderately strong chlorite alteration and strong silica alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
524.76	530.51	10	100	0	0		
stockworking of qtz veins from mm scale to cm scale t/o							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
524.76	530.51	3	DISS	CP	1	SP	0.1		
mostly disseminated pyrite and chalcopyrite with sphalerite localized to cm scale veins and moly observed along selvages of veining though in weaker amounts.									

From	To	Litho
524.76	530.51	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
524.77	526.50	MASS		
massive granodiorite				
526.50	527.00	BX	35	M
moderately strained breccia zone of granodiorite				
527.00	530.50	MASS		
massive granodiorite				
530.50	530.51	CON	25	
sharp lwoer contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
530.51	533.04	HSLT

A shorter interval of siliceous dark brown hornfelsed metasiltstone with anastomosing qtz veining and sharp upper and lower contacts. Moly observed is weak to moderate t/o and present along selvages and within fractures and mm scale veinlets.

STRUCTURES

From	To	Struct	CA	Strain
530.51	530.52	CON	25	
sharp upper contact				
530.52	533.03	MASS		
non foliated massive metaseds				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
530.51	533.04	-	-	-	S	-	-	-	-	-	M			
biotite and silica altered metaseds														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
530.51	533.04	2	100	0	0		
mostly mm scale qtz veining (3-6mm) at varying orientation t/o core							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
530.51	533.04	1	VLT	MO	0.2				
veinlets and disseminated pyrite t/o interval length with moly observed along selvages and within mm scale veins as well as fractures									

From	To	Litho
530.51	533.04	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
533.03	533.04	CON	25	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
533.04	535.08	GDIO

same as interval 500.40 - 501.90m. A very competent, strongly siliceous, moderate to strongly chlorite altered granodiorite with a very fine grained groundmass. This diorite has moderate pyrite and chalcopyrite disseminated t/o with weakly observed moly associated with much of the veining. Veining throughout is moderate; up to 10% qtz veining. The core appears to have a brittle deformation crackle texture, whereby the rock was inundated with force and snapped open with qtz infilling the fractures. The core is very hard, competent and stiff.

STRUCTURES

From	To	Struct	CA	Strain
533.04	533.05	CON	25	
		sharp upper contact		
533.05	535.07	MASS		
		massive chlorite and silica altered granodiorite		
535.07	535.08	CON	45	
		sharp lower contact		

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
533.04	535.08	-	-	S	S	-	-	-	-	-				

strong chlorite and silica alteration t/o

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
533.04	535.08	0.5	99	0	1		

weakly veined interval with mm scale qtz veins and later hairline veinlets of calcite

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
533.04	535.08	2	DISS	CP	0.5	MO	0.01		

mostly disseminated pyrite with lesser disseminated chalcopyrite in fine grained groundmass; moly along selvages of veins and in fractures but rarely; sphalerite clots within very rare larger cm scale qtz veins

From	To	Litho
535.08	**537.10**	**HSLT**

Same as interval 530.51 - 533.04m

STRUCTURES

From	To	Struct	CA	Strain
535.08	535.09	CON	45	
sharp upper contact				
535.09	537.09	MAS S		
massive non foliated hornfelsed metaseds				
537.09	537.10	CON	45	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
535.08	537.10	-	-	W	S	-	-	-	-	-	M			
biotite and silica altered metaseds with weak chlorite alteration near lower contact														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
535.08	537.10	5	98	0	2		
mostly larger cm scale qtz veins runing subparallel t.c.a.; these veins have a sugary texture and are 99% qtz 1% carbonate veins; later calcite veinlets cut the core axis							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
535.08	537.10	1	SM	MO	0.2	SP	0.1		
semi massive to veinlets of fg massive pyrite t/o interval; sphalerite is observed within larger cm scale veins, while moly is observed in weak amounts along selvages of veins									

From	To	Litho
537.10	**565.42**	**GDIO**

same as interval 500.40 - 501.90m. A very competent, strongly siliceous, moderate to strongly chlorite altered granodiorite with a very fine grained groundmass. This diorite has moderate pyrite and chalcopyrite disseminated t/o with weakly observed moly associated with much of the veining. Veining throughout is moderate; up to 10% qtz veining. The core appears to have a brittle deformation crackle texture, whereby the rock was inundated with force and snapped open with qtz infilling the fractures. The core is very hard, competent and stiff.

This interval of granodiorite, though identical to previous intervals, exhibit more medium grained, classic looking granodiorite internal to the interval. The medium grained granodiorite observed continues to exhibit a strong chlorite and silica alteration, however, the groundmass percentage is much less than the overall interval and plagioclase lathes are more abundant, thus giving the core a white green colour rather than a forest green colour like the main body of the interval. Contacts between these two visually different diorites is gradational at all observed intervals, so it is presumed that there is a cumulative layering effect or perhaps different pulses as often observed, there are veins separting the two bodies of diorite.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
537.10	565.42	GDIO

same as interval 500.40 - 501.90m. A very competent, strongly siliceous, moderate to strongly chlorite altered granodiorite with a very fine grained groundmass. This diorite has moderate pyrite and chalcopyrite disseminated t/o with weakly observed moly associated with much of the veining. Veining throughout is moderate; up to 10% qtz veining. The core appears to have a brittle deformation crackle texture, whereby the rock was inundated with force and snapped open with qtz infilling the fractures. The core is very hard, competent and stiff.

This interval of granodiorite, though identical to previous intervals, exhibit more medium grained, classic looking granodiorite internal to the interval. The medium grained granodiorite observed continues to exhibit a strong chlorite and silica alteration, however, the groundmass percentage is much less than the overall interval and plagioclase lathes are more abundant, thus giving the core a white green colour rather than a forest green colour like the main body of the interval. Contacts between these two visually different diorites is gradational at all observed intervals, so it is presumed that there is a cumulative layering effect or perhaps different pulses as often observed, there are veins separting the two bodies of diorite.

STRUCTURES

From	To	Struct	CA	Strain
537.10	537.11	CON	45	
sharp upper contact				
537.11	565.41	MASS		
massive chlorite and silica altered FG granodiorite				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
537.10	565.42	-	-	S	S	-	-	-	-	-				
strong chlorite and silica altered granodiorite														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
537.10	565.42	10	100	0	0		55
on average core axis angle of dominant qtz vein is 55 degrees; many of the bull veins are 3-5 cm in size and contain moderate to sometimes strong septa of pyrite and or moly; mm scale veining and smaller cm scale veining are also observed t/o running in varying orientations over the core surface							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
537.10	565.42	3	DISS	CP	1	MO	0.5		
2-3% FG disseminated pyrite t/o with disseminated chalcopyrite and pyrrhotite t/o as well; moly here is weak to moderate and observed disseminated, mostly as mm veinlets along selvages of the cm scale veins									

 Initials: ________

From	To	Litho
537.10	565.42	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
565.41	565.42	CON	30	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
565.42	568.07	QFP

A short interval of dark grey, very fine grained groundmass quartz feldspar porphyry with equigranular felsdspar pheocrysts. The core is competent, weakly siliceous, weakly mineralized and devoid of observed moly.

STRUCTURES

From	To	Struct	CA	Strain
565.42	565.43	CON	30	
sharp upper contact				
565.43	568.06	MASS		
massive quartz feldspar porphyry				
568.06	568.07	CON	35	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
565.42	568.07	-	-	-	W	-	-	-	-	-				

weakly siliceous, but otherwise unaltered

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
565.42	568.07	0.1	98	0	2		

very weak qtz veining and rare calcite veining

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
565.42	568.07	0.5	DISS		0		0		

weak disseminated pyrite

From	To	Litho
568.07	584.30	GDIO

same as interval 500.40 - 501.90m. A very competent, strongly siliceous, moderate to strongly chlorite altered granodiorite with a very fine grained groundmass. This diorite has moderate pyrite and chalcopyrite disseminated t/o with weakly observed moly associated with much of the veining. Veining throughout is moderate; up to 10% qtz veining. The core appears to have a brittle deformation crackle texture, whereby the rock was inundated with force and snapped open with qtz infilling the fractures. The core is very hard, competent and stiff.

This interval of granodiorite, though identical to previous intervals, exhibit more medium grained, classic looking granodiorite internal to the interval. The medium grained granodiorite observed continues to exhibit a strong chlorite and silica alteration, however, the groundmass percentage is much less than the overall interval and plagioclase lathes are more abundant, thus giving the core a white green colour rather than a forest green colour like the main body of the interval. Contacts between these two visually different diorites is gradational at all observed intervals, so it is presumed that there is a cumulative layering effect or perhaps different pulses as often observed, there are veins separting the two bodies of diorite.

STRUCTURES

From	To	Struct	CA	Strain
568.07	568.08	CON	35	
sharp upper contact				
568.08	584.30	MASS		
massive chlorite and silica altered granodiorite				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
568.07	584.30	-	-	S	S	-	-	-	-	-				
strongly chlorite and silica altered														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
568.07	584.30	7	100	0	0		
dominantly larger cm scale veining x-cutting core axis with moderate septa of moly and pyrite; anastomosing mm scale veining is also abundant throughout with varying orientations							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
568.07	584.30	3	DISS	CP	1	MO	0.3		
2-3% FG disseminated pyrite t/o with disseminated chalcopyrite and pyrrhotite t/o as well; moly here is weak to moderate and observed disseminated, mostly as mm veinlets along selvages of the cm scale veins									

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0605

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44903	5.1	8.23	AND	CORE	0.082	0.006
44904	8.23	11.28	AND	CORE	0.056	0.027
44905	8.23	11.28	AND	BLANK	0.002	0
44906	11.28	14.33	AND	CORE	0.059	0.019
44907	14.33	17.37	AND	CORE	0.056	0.012
44908	17.37	20.42	AND	CORE	0.055	0.013
44909	20.42	23.47	AND	CORE	0.053	0.012
44910	20.42	23.47	AND	BLANK	0.001	0
44911	23.47	26.52	AND	CORE	0.067	0.015
44912	26.52	29.57	AND	CORE	0.102	0.015
44913	29.57	32.61	AND	CORE	0.084	0.009
44914	32.61	35.66	AND	**MoS-1**	0.075	**0.062**
44915	35.66	38.71	AND	CORE	0.051	0.006
44916	38.71	41.76	AND	CORE	0.061	0.02
44917	41.76	44.81	AND	CORE	0.058	0.038
44918	44.81	47.85	AND	CORE	0.049	0.024
44919	47.85	50.9	AND	CORE	0.023	0.022
44920	47.85	50.9	AND	DUPLICATE	0.03	0.024
44921	50.9	53.95	AND	CORE	0.023	0.019
44922	53.95	57	AND	CORE	0.034	0.033
44923	57	60.05	AND	CORE	0.057	0.027
44924	60.05	63.09	AND	CORE	0.035	**0.086**
44925	60.05	63.09	AND	BLANK	0	0
44926	63.09	66.14	AND	CORE	0.052	**0.061**
44927	66.14	69.19	AND	CORE	0.072	0.011
44928	69.19	72.24	AND	CORE	0.097	0.028
44929	72.24	75.29	AND	CORE	0.086	0.046
44930	72.24	75.29	AND	**MoS-1**	0.011	**0.066**
44931	75.29	78.33	AND	CORE	0.062	0.023
44932	78.33	81.38	AND	CORE	0.068	**0.094**
44933	81.38	84.43	AND	CORE	0.054	0.026
44934	84.43	87.48	AND	CORE	0.033	**0.07**
44935	87.48	90.53	AND	CORE	0.026	**0.055**
44936	90.53	93.57	AND	CORE	0.044	**0.072**
44937	93.57	96.62	AND	CORE	0.044	0.03
44938	96.62	99.67	AND	CORE	0.046	0.038
44939	99.67	102.72	AND	CORE	0.049	**0.062**
44940	99.67	102.72	AND	DUPLICATE	0.06	**0.08**
44941	102.72	105.77	AND	CORE	0.048	**0.051**
44942	105.77	108.81	AND	CORE	0.027	0.046
44943	108.81	111.86	AND	CORE	0.023	0.027
44944	111.86	114.91	AND	CORE	0.066	0.045
44945	111.86	114.91	AND	BLANK	0	0
44946	114.91	117.96	AND	CORE	0.042	0.02
44947	117.96	121.01	AND	CORE	0.053	0.02
44948	121.01	124.05	AND	CORE	0.053	**0.065**
44949	124.05	127.1	AND	CORE	0.045	0.021
44950	124.05	127.1	AND	**MoS-1**	0.011	**0.062**
44951	127.1	130.15	AND	CORE	0.053	**0.059**
44952	130.15	133.2	AND	CORE	0.044	0.034

SAMPLE REPORT

HOLE ID: CH0605

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44953	133.2	136.25	AND	CORE	0.044	0.025
44954	136.25	139.29	AND	CORE	0.043	0.039
44955	139.29	142.34	AND	CORE	0.037	0.045
44956	142.34	145.39	AND	CORE	0.065	0.014
44957	145.39	148.44	AND	CORE	0.057	**0.053**
44958	148.44	151.49	AND	CORE	0.045	0.036
44959	151.49	154.53	AND	CORE	0.032	0.041
44960	151.49	154.53	AND	DUPLICATE	0.04	**0.056**
44961	154.53	157.58	AND	CORE	0.042	0.019
44962	157.58	160.63	AND	CORE	0.041	0.018
44963	160.63	163.68	AND	CORE	0.036	0.016
44964	163.68	166.73	AND	CORE	0.047	**0.066**
44965	163.68	166.73	AND	BLANK	0	0
44966	166.73	169.77	AND/GDIO	CORE	0.025	**0.054**
44967	169.77	172.82	GDIO	CORE	0.019	0.022
44968	172.82	175.87	GDIO	CORE	0.016	0.019
44969	175.87	178.92	GDIO	CORE	0.028	0.031
44970	175.87	178.92	GDIO	**MoS-1**	0.011	**0.064**
44971	178.92	181.97	GDIO/BAS	CORE	0.017	0.038
44972	181.97	185.01	BAS	CORE	0.005	0
44973	185.01	188.06	BAS	CORE	0.004	0
44974	188.06	191.11	BAS	CORE	0.005	0
44975	191.11	194.16	BAS/GDIO	CORE	0.009	0.03
44976	194.16	197.21	GDIO/BAS	CORE	0.025	0.035
44977	197.21	200.25	BAS	CORE	0.01	0.002
44978	200.25	203.3	BAS/AND	CORE	0.008	0.002
44979	203.3	206.35	AND	CORE	0.033	0.041
44980	203.3	206.35	AND	DUPLICATE	0.04	**0.057**
44981	206.35	209.4	AND	CORE	0.013	0.02
44982	209.4	212.45	AND	CORE	0.006	0.019
44983	212.45	215.49	AND	CORE	0.008	**0.062**
44984	215.49	218.54	AND/GDIO	CORE	0.008	0.015
44985	215.49	218.54	GDIO	BLANK	0	0
44986	218.54	221.59	GDIO	CORE	0.003	0
44987	221.59	224.64	GDIO	CORE	0.003	0
44988	224.64	227.69	GDIO	CORE	0.006	0.008
44989	227.69	230.73	GDIO/AND	CORE	0.043	**0.096**
44990	227.69	230.73	GDIO/AND	**MoS-1**	0.011	**0.067**
44991	230.73	233.78	AND	CORE	0.032	0.028
44992	233.78	236.83	AND	CORE	0.052	**0.073**
44993	236.83	239.88	AND	CORE	0.04	**0.058**
44994	239.88	242.93	AND	CORE	0.06	**0.062**
44995	242.93	245.97	AND	CORE	0.061	**0.055**
44996	245.97	249.02	AND	CORE	0.096	**0.431**
44997	249.02	252.07	AND	CORE	0.076	**0.133**
44998	252.07	255.12	AND/ARG	CORE	0.082	**0.086**
44999	255.12	258.17	ARG	CORE	0.045	**0.081**
45000	255.12	258.17	ARG	DUPLICATE	0.08	**0.052**
45001	258.17	261.21	ARG	CORE	0.068	0.042
45002	261.21	264.26	ARG	CORE	0.073	0.019
45003	264.26	267.31	ARG	CORE	0.064	0.035
45004	267.31	270.36	ARG	CORE	0.125	**0.072**

SAMPLE REPORT

HOLE ID: CH0605

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45005	267.31	270.36	ARG	BLANK	0	0
45006	270.36	273.41	ARG	CORE	0.116	**0.104**
45007	273.41	276.45	ARG/GDIO	CORE	0.05	0.04
45008	276.45	279.5	GDIO	CORE	0.053	0.033
45009	279.5	282.55	GDIO	CORE	0.016	0.026
45010	279.5	282.55	GDIO	**MoS-1**	0.012	**0.064**
45011	282.55	285.6	GDIO	CORE	0.017	0.02
45012	285.6	288.65	GDIO	CORE	0.038	**0.051**
45013	288.65	291.69	GDIO	CORE	0.037	**0.373**
45014	291.69	294.74	GDIO	CORE	0.034	**0.065**
45015	294.74	297.79	GDIO	CORE	0.028	**0.076**
45016	297.79	300.84	GDIO/HSLT	CORE	0.044	**0.108**
45017	300.84	303.89	HSLT	CORE	0.037	**0.13**
45018	303.89	306.93	HSLT	CORE	0.02	**0.143**
45019	306.93	309.98	HSLT	CORE	0.016	**0.171**
45020	306.93	309.98	HSLT	DUPLICATE	0.02	**0.174**
45021	309.98	313.03	HSLT	CORE	0.04	**0.078**
45022	313.03	316.08	HSLT	CORE	0.015	**0.112**
45023	316.08	319.13	HSLT	CORE	0.016	**0.125**
45024	319.13	322.17	HSLT	CORE	0.015	0.033
45025	319.13	322.17	HSLT	BLANK	0.001	0
45026	322.17	325.22	HSLT	CORE	0.029	**0.098**
45027	325.22	328.27	HSLT	CORE	0.018	0.033
45028	328.27	331.32	HSLT	CORE	0.027	0.048
45029	331.32	334.37	HSLT	CORE	0.026	**0.052**
45030	331.32	334.37	HSLT	**MoS-1**	0.012	**0.064**
45031	334.37	337.41	HSLT	CORE	0.016	0.037
45032	337.41	340.46	HSLT	CORE	0.025	0.042
45033	340.46	343.51	HSLT	CORE	0.025	**0.068**
45034	343.51	346.56	HSLT	CORE	0.027	0.024
45035	346.56	349.61	HSLT	CORE	0.026	**0.075**
45036	349.61	352.65	HSLT	CORE	0.037	0.031
45037	352.65	355.7	HSLT	CORE	0.031	**0.057**
45038	355.7	358.75	HSLT	CORE	0.036	0.03
45039	358.75	361.8	HSLT	CORE	0.018	**0.056**
45040	358.75	361.8	HSLT	DUPLICATE	0	0.005
45041	361.8	364.85	HSLT	CORE	0.026	**0.114**
45042	364.85	367.89	HSLT	CORE	0.019	**0.27**
45043	367.89	370.94	HSLT	CORE	0.017	**0.058**
45044	370.94	373.99	HSLT	CORE	0.02	**0.092**
45045	370.94	373.99	HSLT	BLANK	0.001	0.001
45046	373.99	377.04	HSLT	CORE	0.022	**0.221**
45047	377.04	380.09	HSLT	CORE	0.024	**0.105**
45048	380.09	383.13	HSLT	CORE	0.035	0.048
45049	383.13	386.18	HSLT	CORE	0.035	0.034
45050	383.13	386.18	HSLT	**MoS-1**	0.014	**0.064**
45051	386.18	389.23	HSLT	CORE	0.044	0.037
45052	389.23	392.28	HSLT	CORE	0.019	**0.066**
45053	392.28	395.33	GDIO	CORE	0.016	0.006
45054	395.33	398.37	GDIO	CORE	0.024	0.003
45055	395.33	398.37	GDIO	BLANK	0.002	0
45056	398.37	401.42	GDIO/HSLT	CORE	0.032	**0.069**

SAMPLE REPORT

HOLE ID: CH0605

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45057	401.42	404.47	HSLT	CORE	0.022	0.02
45058	404.47	407.52	HSLT	CORE	0.038	**0.059**
45059	407.52	410.57	GDIO	CORE	0.02	0.011
45060	407.52	410.57	GDIO	DUPLICATE	0.02	**0.088**
45061	410.57	413.61	GDIO	CORE	0.025	0.003
45062	413.61	416.66	GDIO	CORE	0.02	0.002
45063	416.66	419.71	GDIO	CORE	0.022	0.002
45064	419.71	422.76	GDIO	CORE	0.019	0.014
45065	419.71	422.76	GDIO	BLANK	0.001	0
45066	422.76	425.81	GDIO	CORE	0.024	0.041
45067	425.81	428.85	GDIO	CORE	0.029	0.011
45068	428.85	431.9	GDIO	CORE	0.013	0.01
45069	431.9	434.95	GDIO	CORE	0.02	0.016
45070	431.9	434.95	GDIO	**MoS-1**	0.012	**0.064**
45071	434.95	438	GDIO	CORE	0.023	0.017
45072	438	441.05	GDIO	CORE	0.017	0.013
45073	441.05	444.09	GDIO	CORE	0.006	0
45074	444.09	447.14	GDIO	CORE	0.004	0
45075	447.14	450.19	GDIO	CORE	0.004	0
45076	450.19	453.24	GDIO	CORE	0.004	0.001
45077	453.24	456.29	GDIO	CORE	0.013	0
45078	456.29	459.33	GDIO	CORE	0.009	0
45079	459.33	462.38	GDIO	CORE	0.009	0
45080	459.33	462.38	GDIO	DUPLICATE	0.02	0.008
45081	462.38	465.43	GDIO	CORE	0.004	0
45082	465.43	468.48	GDIO	CORE	0.005	0
45083	468.48	471.53	GDIO	CORE	0.006	0
45084	471.53	474.57	GDIO	CORE	0.015	0.022
45085	474.57	474.57	GDIO	BLANK	0.001	0
45086	474.57	477.62	GDIO	CORE	0.053	0.013
45087	477.62	480.67	GDIO	CORE	0.029	0.007
45088	480.67	483.72	GDIO	CORE	0.012	0
45089	483.72	486.76	GDIO	CORE	0.008	0
45090	483.72	486.76	GDIO	**MoS-1**	0.013	**0.065**

CH0605

From	To	Litho
0.00	5.10	OB

Overburden/casing

STRUCTURES				
From	To	Struct	CA	Strain
0.00	5.10	FLT		VW

From	To	Litho
5.10	17.37	AND

A greenish andesite that contains dark hornblend feldspar phenocrysts, with a network of PY (+/-MG) strs & PY blotches (3-4% PY), surface weathering on joints, BIO, Chl & EPI altn, narrow <8mm Qz-PY-MO VNs & MO specks, MO occurs below 10.0m. Very weak CA. @10.22m is 20mm Qz-PY-MO VN, 50 tca. @10.85m oxidized 10mm Qz-PY-MO VN, 10 tca. @16.02m is 10mm Qz-PY VN, 30 tca. @12.44-13.34m 5mm PY-BIO VN, along the core axis, EPI blotches around. @13.13m pink Qz-PY-BIO-MO VN, 25 tca. @14.5m is 12mm pink Qz-PY-MO VN, 35 tca cut off by two magnetic 3mm PY-BIO strs, 40 & 25 tca. @16.0m pink 10mm Qz-PY-BIO-MO VN, 40 tca.

STRUCTURES				
From	To	Struct	CA	Strain
5.10	17.37	MASS		W

surface weathering on joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
5.10	17.37	-	-	M	M	-	W	-	VW	M	M	M	M	

BIO, Chl & EPI altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
5.10	17.37	1	4	15		0.5	50

abundant magnetic PY-BIO & Qz-PY strs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
5.10	17.37	4	VLT	MO	0.03				

abundant PY strs

 Initials: ________

From	To	Litho
17.37	37.47	AND

Greenish andesite that ranges in texture from fine to medium grained, dark hornblend feldspar phenocrysts with moderate EPI altn. @22.02m pink 10mm Qz-PY-MO VN, 20 tca. @22.66m dispersed 30mm CA-Qz-MO VN, 40 tca. From 23.47-23.56m shear zone (sand & gouge). @24.06m pink 10mm Qz-BIO VN, 70 tca. @24.26m is 22mm QZ-PY-MO, 60 tca. From 26.52m to 27.4m pinky 10mm Qz-PY-BIO-MO +/-MG VN, 5 tca offset by 8mm Qz-PY-MO VN, 40 tca. @28.28m contorted 24mm Qz-PY-MO VN, 50 tca. From 28.56m to 28.60m stockwork 8-10mm Qz-PY-EPI-MO VNs, 50-60 tca. @29.57m is 8mm PY-BIO-Qz-MO VN, 50 tca with DI Cpy around. @30.96m solid 22mm Qz-PY-MO VN, 80 tca. From 33.32-33.74m is 4mm Qz-PY-MO VN, 5 tca with Qz-PY-MO strs, EPI & MG blotches around. @34.36m is 16mm Qz-PY-Cpy-MO VN, 75 tca. @34.59m solid 22mm Qz-PY-Chl-MO VN, 65 tca. @34.94m is 8mm Qz-PY-MO VN, 60 tca. @35.88m is 10cm Qz granodiorite porphyry dyke, 40 tca with 10mm Qz-PY-PO-MO VN, the contact is 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
17.37	37.47	MASS	50	M

3-4% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
17.37	37.47	-	-	W	M	-	M	-	VW	M	W	W	M	

BIO & EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
17.37	37.47	1	15	10	0.1	1	65

Qz-PY-MO VNs & Qz-PY-BIO +/-MG strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
17.37	37.47	4	VLT	MO	0.01				

moderate BIO & EPI

From	To	Litho
37.47	39.10	AND

Fault zone with >50% broken core, PY, BIO & CA on fracture. @38.32m branched out 20mm Qz-PY-Cpy VN, 80 tca. @38.5m is 20mm PY-Qz-BIO VN, 30 tca. @39.52m is 18mm Qz-PY VN, no orient. @39.72m dispersed 60 mm CA VN, 50 tca. @39.86m selvage 10mm Qz -MO VN, 75 tca.

STRUCTURES

From	To	Struct	CA	Strain
37.47	39.10	FLT		W

>65% are pieces <10cm

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
37.47	39.10	-	-	VW	VW	-	W	-	VW	M	VW	VW	W	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
37.47	39.10	1	4	4	3	1	50

Qz-MO VN present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
37.47	39.10	2	DISS						

From	To	Litho
39.10	55.90	AND

From dark grey to reddish andesite, fine grained, PY strs, moderate biotization & chloratization, weak EPI altn. @44.81m is 16mm Qz-PY-MG-BIO VN 60 tca. @45.16m narrow 8mm Qz-PY-MO VN, 30 tca crosscut by contorted 5mm QZ-PY-MO VN, 20 tca. Below 45.88m stockwork of narrow <8mm Qz-PY-MO VNs, diff. orient. @46.66-46.88m broken core, surface weathering on fracture. @46.2m anastomosing 30mm Qz-PY-MO-MG VN, 30 tca. @46.46m is 8mm Qz-PY-BIO VN, 25 tca cut off by PY-BIO strs, 50 tca. @49.7-50.0m pink Qz-PY-MO VN, 5 tca. Below 50.0m network Qz-PY-MO strs. @53.48m is 7mm Qz-PY-MO VN, 20 tca. @54.26-45.46m reticulated <8mm Qz-PY-MO VNs in diff. orient. @55.4-55.8m quartz feldspar porphyry, 55 tca. @55.8m is 30mm Qz-PY-MO VN, 55 tca.

STRUCTURES

From	To	Struct	CA	Strain
39.10	55.90	MASS	60	M

3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
39.10	55.90	-	-	W	W	-	W	-	VW	M	M	M	W	

mod BIO & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
39.10	55.90	1	5	10			2

narrow <8mm Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
39.10	55.90	3	VLT	MO	0.05				

minor MG present

From	To	Litho
55.90	67.02	AND

Blackish-green andesite, greenish to reddish monzonite zones with MG, feldspar phenocrysts, plagioclase & BIO phenocrysts, MO present in dendritic <8mm Qz-PY VNs & strs, coarse grained PY ~3-4%, weak Cpy & MG. @59.66m selvage 12mm Qz-PY-MO VN, 50 tca with two subparallel Qz-PY-MO VN, 6-8mm. @59.8m solid 44mm Qz-pY-MO VN, 50 tca. From 62.78m to 63.26m contorted 10mm Qz-PY-MO VN along the core axis. @64.0m is 8mm Qz-PY-MO VN, 10 tca. @63.56-63.74m broken core, fragments. @66.46m is 16mm Qz-PY-MO VN, 80 tca.

STRUCTURES

From	To	Struct	CA	Strain
55.90	67.02	MASS		M

andesite, greenish to reddish monzonite zones @63.56-63.74 broken core, fragments

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
55.90	67.02	-	-	W	W	-	W	-	VW	M	M	M	M	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
55.90	67.02	2	6	6			2

MO present in dendritic Qz-PY strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
55.90	67.02	3	VLT	MO	0.1				

MO dominantly present in narrow Qz-PY VNs/strs

CH0605

Initials: _______

From	To	Litho
67.02	78.90	AND

Blackish-greenish-purplish andesite with MG, feldspar phenocrysts anhedral plagioclase & BIO, MO present in dendritic Qz-PY VNs & strs, core mottled by strs & BB of coarse grained PY ~3-4%, weak Cpy, transitional brown sandstone zones. @67.04m contorted narrow PY-BIO-Qz-MO VN, 60 tca. @69.2m is 12mm Qz-PY-MO VN, 60 tca. @69.68-69.82m granodiorite, plagioclase, feldspar, biotite, weak MG. @71.25m is 16mm Qz-PY-MO VN, 40 tca. @72.22m solid Qz-PY-BIO+sphalerite VN, 45 tca. @72.72m is 10mm Qz-PY-BIO VN, 30 tca. From 73.0m to 74.0m network Qz-PY-MO VNs 5-10mm with 20-80 tca. @74.5m solid 80mm Qz-PY-MO VN, 50 tca with 8mm Qz-PY-MO VN radiating from this VN with 0 tca. @75.38m selvage 20mm Qz-PY-MO VN, 30 tca. @75.9m is 12mm Qz-PY-MO VN, 50 tca. @76.44m is 10mm Qz-PY-MO VN, 45 tca. From 76.92m to 78.9m significant Qz-PY-Chl-EPI-MG-CA VN, 0 tca.

STRUCTURES

From	To	Struct	CA	Strain
67.02	78.90	FLW	55	M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
67.02	78.90	-	-	W	W	-	W	-	VW	M	M	W	M	

mod EPI, weak CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
67.02	78.90	3	6	8		2	10

76.92-78.9 significant Qz-PY-Chl-EPI-MG VN, 0 tca.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
67.02	78.90	4	VLT	MO	0.2				

PY ~3-4%, MO 0.2%

From	To	Litho
78.90	90.53	AND

Grey-greenish-purplish andesite with MG, feldspar phenocrysts plagioclase & BIO, transitional zones of brown sandstone , MO present in Qz-PY VNs & strs, coarse grained strs & BB PY ~3-4%, weak Cpy & EPI @80.7m pink 16mm Qz-pY-MO VN, 55 tca. @80.84m branched out 28mm pink Qz-PY-MO VN, 35 tca. @81.13-81.85m flow bended zone, 55 tca (Qz-PY-Chl-MO). @83.04m is 18mm Qz-BIO-PY-MO VN, 55 tca with subparallel Qz-PY-MO strs. @84.24m is 24mm brecciated AB-BIO VN, 35 tca. @84.8m is 16mm Qz-PY-BIO-MO V 40 tca. @86.2m pink 16m Qz-PY-MO VN, 50 tca. Below 87.74m network Qz-PY-MO strs. @89.6m is 14mm Qz-PY-MO VN, 50 tca. @89.8m selvaged 10mm Qz-PY-MO VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
78.90	90.53	FLW	40	M

3-5% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
78.90	90.53	-	-	M	W	-	W	-	VW	W	M		M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
78.90	90.53	3	10	6		3	50

Qz-PY-MO VNs & strs, micro MO strs present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
78.90	90.53	4	VLT	MO	0.4				

good MO zone

From	To	Litho
90.53	102.72	AND

Grey-greenish-purplish fine grained andesite with transitional zones to monzonite, MG ~1%, mod BIO & weak EPI altn, network of Qz-PY-MO strs, ~0.3-0.6% MO present in Qz-PY VNs & strs, coarse & fine grained PY strs & BB, minor Cpy. @90.8m is 20mm Qz-PY-MO VN, 60 tca. @91.91m solid 28mm selvaged Qz-PY-MO VN, 40 tca. @93.68m solid 22mm Qz-PY-MO-Chl VN, 55 tca. @97.39m are two 12mm parallel Qz-PY-MO-BIO VNs, 30 tca. @98.88m solid 40mm Qz-PO-PY-MO-BIO VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
90.53	102.72	FLW	50	M
	2% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
90.53	102.72	-	-	W	M		M	-	VW	W	M	M	S	
EPI altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
90.53	102.72	4	10	6	1	2	45

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
90.53	102.72	4	VLT	MO	0.4				
~0.4% MO									

From	To	Litho
102.72	124.86	AND

Grey-greenish-purplish fine grained andesite with feldspar phenocrysts, flow bended zones, transitional zone to brown siltstone, MG ~1%, mod BIO & weak EPI altn, network Qz-PY-MO strs, ~0.3% MO present in Qz-PY VNs & strs, coarse & fine grained PY strs & BB, minor Cpy. Below 102.8m stockwork narrow Qz-PY-MO VNs. @103.26m is 9mm Qz-PY-MO VN, 30 tca. @103.63m is 12mm Qz-PY-MO VN, 40 tca. @104.24m is 10mm Qz-AB-PY-MO VN, 45 tca. 2104.74-105.03m granodiorite dyke with PY strs, contact 30 tca. Below 105.35m silica altn. @105.53m is 10mm AB-PY-BIO-EPY VN, 40 tca. @106.62m pink 10mm Qz-PY-MO VN, 40 tca. @108.68m contorted 14mm Qz-PY-MO VN, 40 tca. @109,92m pink Qz-PY-MO VN, 40 tca. Below 110.4m flow bended zone with EPI altn, 35 tca. @111.25-111.84m a few subparallel 5-11mm Qz-PY-MO VNs, 35 tca. @113.48m contorted 14mm Qz-PY MO VN, 60 tca. @114.18m dispersed 22mm Qz-PY-MO VN, 60 tca. @115.25-115.5m broken core, fragments. From 115.76m to 116.3m flow bended zone with Chl-EPI altn. Below 116.6m brown siltstone mottled by Qz-PY-MO strs with Chl altn. @116.52m is 22mm Qz-PY-BIO-MO VN, 70 tca. Below 117.4m network Qz-PY-BIO +/-MO VNs, diff. orient. From 118.6m to 119.3m stockwork Qz-PY-MO (narrow <10mm) VNs. @120.9m solid 26mm Qz-PY-MO VN, 35 tca. Below 121.3m network Qz-PY-MO VNs.

STRUCTURES

From	To	Struct	CA	Strain
102.72	116.60	FLW	40	M
116.60	124.86	BDG	50	M
	siltstone, 5% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
102.72	119.30	-	-	W	S	-	M	-	VW	W	M	M	M	
Mod BIO & weak EPI altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
102.72	119.30	2	10	10		2	50
Qz-PY-MO VNs & strs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
102.72	119.30	4	VLT	PO	0.5	MO	0.2		
MO present in Qz-PY-MO strs, MG ~1%									

Initials: ________

From	To	Litho
102.72	124.86	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
119.30	124.86	-	-	M	S	-	M	-	W	-	W		M	

Mod Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
119.30	124.86	3	4			1	2 50

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
119.30	124.86	2	VLT	MO	0.2				

From	To	Litho
124.86	144.10	AND

Grey-greenish-purplish fine grained andesite with transitional zones to monzonite, moderate & strong silicification, MG <1%, mod BIO, network Qz-PY-MO strs, ~0.1% MO present in Qz-PY VNs & strs, coarse & fine grained PY in VNs & BB, CA altn. @125.06m is 12mm Qz-PY-BIO-MO VN, 75 tca. @126.86m pink 38mm Qz-CA-PY-MO VN, 30 tca. @127.7-128.5m greenstone with PY-BIO strs. Below 128.9m core mottled PY & Qz-PY-MO strs, weak EPI altn. @134.34-134.52m granodiorite, 40 tca. @137.0m is 14mm pink Qz-PY-MO VN, 40 tca. @135.55m contorted 10mm Qz-CA-PY-MO VN, 10 tca. Below 135.6m transitional zone to monzonite. @138.38m is 20mm Qz-PY-CA-BIO-MO VN, 15 tca. @139.49m selvaged 12mm Qz-PY-MO VN, 75 tca. @132.48m pink 26m Qz-PY-MO VN, 40 tca. @143.21m lense 20cm pink Qz-PY-MO VN. @144.26m solid 36mm Qz-PY-MO VN, 30 tca. @144.88m pink 38mm Qz-BIO-PY-MO VN, 25 tca. @145.4m contorted 12mm Qz-PY VN with MO on selvages, 20 tca. @145.62-146.08m stockwork narrow <8mm Qz-PY-MO VNs.

STRUCTURES

From	To	Struct	CA	Strain
124.86	144.10	MAS S		S

2 joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
124.86	144.10	-	-	M	S	-	S	W	W	VW	M	M	M	

CA, BIO & CHL altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
124.86	144.10	4	16	10		2	2 60

narrow Qz-PY-MO VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
124.86	144.10	4	VLT	MO	0.1				

From	To	Litho
144.10	159.15	AND

Grey-greenish fine grained andesite with transitional zones to monzonite, moderate & strong silicification, feldspar phenocrysts, MG <1%, mod BIO, network Qz-PY-MO strs, <0.1% MO present in Qz-PY VNs & strs, coarse & fine grained PY in VNs & blotches. @151.95-152.04m granodiorite dyke with coarse euhedral crystals, feldspars, BIO. @152.32m is 14mm Qz-PY-MO VN, 40 tca. @153.48m is 12mm Qz-PY-MO VN, 50 tca. @154.34m solid 18mm Qz-PY-BIO VN, 80 tca. @155.46m is 12mm Qz-PY-MO VN, 80 tca. @155.83m is 10mm Qz-PY-MO VN, 45 tca. @155.92m solid 30mm Qz-PY-Chl-MO VN, 60 tca. @156.0m is 16mm Qz-PY-MO VN, 35 tca. @156.66m solid 36mm Qz-Chl-PY-MO VN, 55 tca. @157.73-158.3m stockwork Qz-PY-MO-BIO MO VNs, <10mm thickness.

STRUCTURES

From	To	Struct	CA	Strain
144.10	159.15	MASS		M

2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
144.10	159.15	-	-	W	M	-	W	W	W	VW	M	M	M	

Chl & BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
144.10	159.15	3	10		0.5	1	70

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
144.10	159.15	4	VLT	MO	0.05				

weak MO

From	To	Litho
159.15	167.90	AND

Grey-greenish fine grained andesite, moderate & strong silicification, feldspar phenocrysts, MG <1%, mod BIO, network Qz-PY-MO strs, <0.1% MO present in Qz-PY VNs & strs, coarse & fine grained PY in VNs & blotches. @151.95-152.04m granodiorite dyke hypidiomorphic texture with coarse euhedral crystals, feldspars, BIO. @152.32m is 14mm Qz-PY-MO VN, 40 tca. @153.48m is 12mm Qz-PY-MO VN, 50 tca. @154.34m solid 18mm Qz-PY-BIO VN, 80 tca. @155.46m is 12mm Qz-PY-MO VN, 80 tca. @155.83m is 10mm Qz-PY-MO VN, 45 tca. @155.92m solid 30mm Qz-PY-Chl-MO VN, 60 tca. @156.0m is 16mm Qz-PY-MO VN, 35 tca. @156.66m solid 36mm Qz-Chl-PY-MO VN, 55 tca. @157.73-158.3m stockwork Qz-PY-MO-BIO MO VNs, <10mm.

STRUCTURES

From	To	Struct	CA	Strain
159.15	167.90	MASS		M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
159.15	167.90	-	-	W	M	-	M	W	W	VW	M		M	

EPI & potassic altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
159.15	167.90	1	30	15		1	50

Qz-PY-MO VNs & strs, micro MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
159.15	167.90	4	VLT	MO	0.2				

weak epidote mineralzation

From	To	Litho
167.90	169.00	GDIO

Granodiorite with well formed crystals, BIO, plagioclase feldspar phenocrysts. Contact 60 tca. @168.88m anastomosing 8mm Qz-PY-MO VN, 40 tca. From 169.0m to 170.0m monzonite flow banded zone with Chl altn, CON=30 tca. @169.48m is 12mm pink Qz-PY VN, 30 tca. @170.0-170.5m grayish black basalt dyke, CON =50 tca. @170.5-170.92m monzonite with weak MG & Qz-PY-MO strs, CON=30 tca. @170.5m is 26mm Qz-PY-BIO-MO VN, 40 tca cut off at the contact by basalt dyke.

STRUCTURES

From	To	Struct	CA	Strain
167.90	169.00	MASS		S

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
167.90	169.00	-	-	-	S	-	-	-	W	-	M	S	W	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
167.90	169.00	1	40	35		1	40

anastomosing 8mm Qz-PY-MO VN, 40 tca @ the contact

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
167.90	169.00	1	DISS	MO	0.01				

weak MO

From	To	Litho
169.00	181.00	GDIO

Granodiorite with well formed crystals, BIO & plagioclase feldspar phenocrysts, MO specks in Qz-PY VNs. @170.38m two parallel pink Qz-PY-MO-EPI VNs, 20 tca. @172.3m is 18mm Qz-PY-MO VN, 60 tca. @172.5m is 20mm Qz-PY VN, 70 tca. From 174.34-176.14m fault zone, fragments with 70% pieces <10 cm, PY, BIO & traces of MO on fracture. @175.94m is 12mm Qz-PY VN with MO trace, 40 tca. @175.28-175.74m anastomosing 14mm Qz-PY-MO VN, no orient. @176.8m pink 14mm Qz-PY-MO VN, 45 tca. From 177.44m to 177.96m pink 16mm Qz-PY-MO VN, 5 tca. @179.23m solid 34mm Qz-PY-MO VN, 80 tca. @180.34m is 11mm Qz-PY VN, 70 tca.

STRUCTURES

From	To	Struct	CA	Strain
169.00	181.00	MASS		M

partially broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
169.00	181.00	-	-	-	S	-	-	VW	W	-	M	M	W	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
169.00	181.00	1	35	20		1	40

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
169.00	181.00	1	DISS	MO	0.01				

weak MO

From	To	Litho
181.00	193.00	BAS

Basalt & granodiorite with well formed crystals, BIO, plagioclase feldspar phenocrists. Below 189.66m broken core on CA strs, CA-Chl on fracture, CON @191.62m=70 tca. From 191.62-192.0m andesite with narrow Qz-PY-MO VNs. Contact @193.0 = 80 tca.

STRUCTURES

From	To	Struct	CA	Strain
181.00	193.00	MASS		S

core is broken below

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
181.00	193.00	-	-	VW	S	-	-	-	W	-	VW	W	VW	

DI PY

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
181.00	193.00	0.1	5	10		0.1	

tiny CA strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
181.00	193.00	0.1	DISS						

basalt present

From	To	Litho
181.00	193.00	BAS

Basalt & granodiorite with well formed crystals, BIO, plagioclase feldspar phenocrists. Below 189.66m broken core on CA strs, CA-Chl on fracture, CON @191.62m=70 tca. From 191.62-192.0m andesite with narrow Qz-PY-MO VNs. Contact @193.0 = 80 tca.

STRUCTURES

From	To	Struct	CA	Strain

190.8m

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
193.00	197.70	GDIO

Granodiorite with well formed crystals, BIO, plagioclase feldspar phenocrysts. From 193.84m to 196.78m fine grained purplish andesite with Qz-PY-MO VNs, 30% broken core, CA & Chl on fracture. @194.16m is 14mm Qz-PY-MO VN, 30 tca. @194.9m lense Qz-PY-MO VN, 70mm in diam. @195.8m is 7mm Qz-MO VN, 55 tca. @195.22-195.5m granodiorite dyke, CON=60 tca. @195.62m is 16mm Qz-PY-MO VN, 40 tca. @196.8-197.7m pink granodiorite, contact @197.7 =60 tca.

STRUCTURES

From	To	Struct	CA	Strain
193.00	197.70	MASS		M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
193.00	197.70	-	-	W	M	-	-	VW	W	-	M		W	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
193.00	197.70	2	5			1	60

Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
193.00	197.70	1	DISS	MO	0.01				

From	To	Litho
197.70	201.94	BAS

Grey granodiorite with well formed crystals, BIO, plagioclase feldspar phenocrysts. From 193.84m to 196.78m fine grained purplish andesite with Qz-PY-MO VNs, 30% broken core, CA & Chl on fracture. @194.16m is 14mm Qz-PY-MO VN, 30 tca. @194.9m lense Qz-PY-MO VN, 70mm in diam. @195.8m is 7mm Qz-MO VN, 55 tca. @195.22-195.5m granodiorite dyke, CON=60 tca. @195.62m is 16mm Qz-PY-MO VN, 40 tca. @196.8-197.7m pink granodiorite,   @197.7m CON is 60 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
197.70	201.91	0.2	DISS						

MO ~0.01%

From	To	Litho
197.70	201.94	BAS

Grey granodiorite with well formed crystals, BIO, plagioclase feldspar phenocrysts. From 193.84m to 196.78m fine grained purplish andesite with Qz-PY-MO VNs, 30% broken core, CA & Chl on fracture. @194.16m is 14mm Qz-PY-MO VN, 30 tca. @194.9m lense Qz-PY-MO VN, 70mm in diam. @195.8m is 7mm Qz-MO VN, 55 tca. @195.22-195.5m granodiorite dyke, CON=60 tca. @195.62m is 16mm Qz-PY-MO VN, 40 tca. @196.8-197.7m pink granodiorite, @197.7m CON is 60 tca.

STRUCTURES

From	To	Struct	CA	Strain
197.70	201.94	MASS		S

contact 40 tca.

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
197.70	201.94	-	-	-	M	-	-	-	W	-	W		VW	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
197.70	201.94	0.01	10	6			

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
201.94	217.60	AND

Grey to pinkish fine grained andesite, from moderate to strong silicification, feldspar phenocrysts, weak MG, mod BIO, structure controlled by Qz-PY-MO VNs/strs with ~0.2% MO, tiny PY strs, ~20% broken core with CA on fracture. @205.7m pink 20mm Qz-PY-MO VN, 50 tca. @205.82m is 8mm Qz-PY-MO VN, 55 tca. Below 213.6m strong silica altn with contorted narrow Qz VNs. @217.6m is CON=10 tca to basalt.

STRUCTURES

From	To	Struct	CA	Strain
201.94	217.60	MASS		M

20-30% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
201.94	217.60	-	-	VW	M	-	M	W	M	-	M		M	

silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
201.94	217.60	4	10	10	1	2	50

narrow Qz-PY-MO VNs/strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
201.94	217.60	3	VLT	MO	0.2				

narrow Qz-PY-MO VNs/strs

From	To	Litho
217.60	228.04	BDY

Grayish black fine grained basalt dyke with phenocrysts set into the matrix, CA altn & fault zone, granodiorite @218.12-218.22m fragments. From 220.14-221.5m broken core (fragments & gouge) with CA altn. Below 222.4m CA strs. @222.94-223.38m broken core with CA-Chl altn. From 225.25m to 228.04m fault zone with CA VNs & strs, weak Chl altn, fragments & gouge.

STRUCTURES

From	To	Struct	CA	Strain
217.60	228.04	MASS		M

Fault zone below 225.25m

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
217.60	228.04	-	-	W	M	-	-	-	M	-	M		VW	

minor DI PY, strong CA altn below 225.25m

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
217.60	228.04	0.1					

CA VNs present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
217.60	228.04	0.2	FG						

fine grained DI PY

Initials: ________

From	To	Litho
217.60	228.04	BDY

Grayish black fine grained basalt dyke with phenocrysts set into the matrix, CA altn & fault zone, granodiorite @218.12-218.22m fragments. From 220.14-221.5m broken core (fragments & gouge) with CA altn. Below 222.4m CA strs. @222.94-223.38m broken core with CA-Chl altn. From 225.25m to 228.04m fault zone with CA VNs & strs, weak Chl altn, fragments & gouge.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
228.04	232.62	AND

Drab grey fine grained aphanitic andesite, from moderate to strong silicification, feldspar phenocrysts, weak MG, mod BIO, granodiorite zones, system pinkish Qz-PY-MO VNs/stockwork with ~0.2% MO, tiny PY strs, partially broken core with CA on fracture. @228.28-228.48m significant Qz-P-MG-MO VN, 30 tca. From 229.9-230.22m contorted Qz-PY-MO VN, 5 tca. From 229.30-229.66m contorted 20mm Qz-PY-MO VN, 20 tca. @230.04m contorted 22mm Qz-PY-EPI-MO VN, 40 tca. From 230.36m to 230.9m fault zone, fragment & gouge. @231.1m is 1mm Qz-PY-MO VN, 35 tca. @231.32-232.42m significant 26mm Qz-PY-MG-MO VN along the core with two 10 &12mm Qz-PY-MO VNs radiating from the main VN. @232.48m solid 50 mm Qz-Py-MO VN, 30 tca. @232.62m contact to granodiorite is 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
228.04	232.62	MASS		W

partially broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
228.04	232.62	-	-	W	W	-	-	-	S	VW	M		W	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
228.04	232.62	8	15	15		3	3

significant Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
228.04	232.62	2	VLT	MO	0.3				

MO ~0.2-0.3%

From	To	Litho
232.62	241.36	AND

Dark grey andesite with feldspar phenocrysts, MG blotches, mod BIO, pinkish granodiorite zones, Qz-PY-MO VNs/strs with ~0.1% MO, PY BB & tiny PY strs, partially broken core with CA-Chl on fracture. From 323.62m to 235.1m pinkish granodiorite with PY & MO spects. @232.82m pink 6mm Qz-PY-MO VN, 30 tca. @233.84m pink 10mm Qz VN, 45 tca. @233.8-234.1m pink 12mm Qz-MG-PY-MO VN, 15 tca. @234.16m is 10mm Qz-PY-MO-EPI VN, 40 tca. @234.18m is 15mm Qz-PY-MO VN, 35 tca. @235.0m is 20mm Qz-PY-MG-MO-EPI VN, 60 tca. From 235.35m to 235.58m pink 30mm Qz-Ca-MG-PY-MO VN, 30 tca with 10mm Qz-PY-MO VN branched out from the main VN, 15 tca. @235.91m is 12mm Qz-PY-MO-MG VN, 80 tca. @236.2m pink 30mm Qz-CA-PY-MG VN, 60 tca with with tiny Qz-MO strs around. @236.7m pink 10m Qz-PY-MG-EPI-MO VN, 50 tca. @236.92m pink 16mm Q-PY-EPI-MG-MO VN, 25 tca with another 16mm Qz-PY-MG-MO-EPI VN, 75 tca. @236.47m pink 14mm Qz-PY-MG-MO-EPI VN, 40 tca with a few narrow VNs radiating from the main VN. @237.25m pink 24mm Qz-PY-MO VN 20 tca. From 237.61m to 231.15m granodiorite with 20% broken core (CA on fracture), MO specks, DI PY. @239.67m solid 30m Qz-PY-MO VN, 45 tca. @239.91m pink 24mm Qz-PY-MO VN, 60 tca. @240.5m narrow 4cm shear zone. @240.94-241.36m network 5-10mm Qz-PY-MO VNs with MG strs & EPI BB.

STRUCTURES

From	To	Struct	CA	Strain
232.62	241.36	FR		W

10% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
232.62	241.36	-	-	W	W	-	M	-	S	VW	M	W		

CA & weak EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
232.62	241.36	6	8	10	4	2	

pink Qz-PY-MO +/-MG, +/- EPI VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
232.62	241.36	2	DISS	MO	0.1				

weak MG present

From	To	Litho
241.36	253.00	AND

Dark grey andesite, feldspar phenocrysts, MG blotches, mod BIO, Qz-PY-MO VNs/strs with ~0.1% MO, CA strs, PY blotches strs, partially broken core with CA-Chl on fracture. From 241.54m to 242m flow bended zone with network of MG strs. @241.62m pink 20mm Qz-PY-MO VN, 50 tca with MG strs on halo. @241.73m contorted 14mm Qz-PY-MO VN, 90 tca. @241.88m is 10mm Qz-PY-MO VN, 50 tca. @242.4m is 30mm Qz-PY-MO-MG VN, 30 tca. @242.56m are two subparallel 12 & 8mm Qz-PY-MO VNs, 30 tca cut off by CA-PY-MO str, 10 tca with MG & PY on halo. @242.6m contorted 16mm Qz-PY-EPI-MO VN, 60 tca. @244.5m contorted Qz-PY-Cpy-MO VN, 60 tca with MO on selvage. From 246.76m to 244.34m 4mm CA VN along the core. @244.76m dispersed 12mm Qz-PY-MO-EPI VN, 60 tca. @245.18m contorted 32mm Qz-PY-MO VN, 80 tca with 20cm lense (20mm thickness). @245.7-246.22m dispersed Qz-PY-MG-MO zone. @246.42m signifcant 30m Qz-P-MG-MO, 30 tca. @246.55-246.8m granodiorite dyke. Below 246.8m stockwork contorted & narrow Qz VNs & strs +/-MO. @247.38m part of 16mm Qz-PY-MO VN, 0 tca cut of by tiny CA-Chl str, 25 tca. @247.7m pink 26mm Qz-PY-MG-MO VN, 25 tca with subparallel narrow Qz-PY-MO veinlets. @248.18m is 12mm 12mm Qz-PY-EPI-MO VN, 90 tca. @248.5m solid 38mm Qz-PY-EPI-MO VN, 40 tca. From 248.9m to 249.6m significant 40mm Qz-PY-MO VN, 10 tca with another solid Qz-PY-MO VN, 40 tca. @250.68m is 12mm Qz-PY-MO VN, 60 tca. @250.8m contorted 14mm Qz-PY-MO VN, 30 tca. @251.48m is 14mm Qz-PY-MO VN, 60 tca. @251.52m is 14mm Qz-PY-MO VN, 20 tca. @252.3-252.8m significant Qz-PY-MO zone.

STRUCTURES

From	To	Struct	CA	Strain
241.36	253.00	MAS S		W

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
241.36	253.00	-	-	W	W	-	M	-	M	VW	M		M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
241.36	253.00	5	8	6	3	3	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
241.36	253.00	4	DISS	MO	0.1				

 Initials: ________

From	To	Litho
241.36	253.00	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
253.00	263.20	ARG

Fault zone (>50% broken core) & brittle fracture, fragments & gouge, CA on fracture, minor dark to black argillite, mod BIO, Qz-PY-MO VNs/strs with ~0.1% MO, CA strs, D PY specks & strs. @223.12m is 40mm Qz-PY-MO VN, 15 tca. @258.08m solid 60mm Qz-PY-MO VN, 80 tca. @258.28m solid 36mm Qz-PY-MO VN, 40 tca with subparallel narrow <6mm Qz-PY-MO VNs. @258.5-258.74m zone with contorted 50mm Qz-Py-EPI-MO VN, 30 tca & anastomosing 8mm Qz-PY-MO VN below. From 259.1-263.2m fault zone with pieced <10 cm, CA on fracture (fragment gouge).

STRUCTURES

From	To	Struct	CA	Strain
253.00	263.20	BDG		W

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
253.00	263.20	-	-	W	W	-	-	-	M	VW	M	W	M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
253.00	263.20	3	6			1	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
253.00	263.20	4	DISS	MO	0.1				

MG present

From	To	Litho
263.20	274.84	ARG

Black argillite zone mottled by Qz & CA narrow VNs & strs. @263.2m is 12mm Qz-PY-MO VN, 85 tca. @263.52m is 16mm Qz-PY-MG-MO VN, 25 tca. @264.2m is 10mm Qz-MG VN, 55 tca. @265.28m solid 32mm Qz-PY-MO VN, 50 tca with subparallel 10mm Qz-PY-MO VN. @267.18m is 14mm Qz-PY-MO VN, 40 tca. @267.63m is 14mm Qz-PY-MO VN, 60 tca. @267.8m is 8mm Qz-PY-MO VN 60 tca with Qz-PY-MO strs bellow. @268.54m is 10mm Qz-PY-MO VN, 40 tca. @268.86m is 10mm Qz-PY-MO VN, 60 tca. From 268.9m to 269.68m . From 269.68-273.68m black argillite, broken core, Qz VNs, CA alteration. @270.4m is 14mm Qz-PY-MO VN, 40 tca with subparallel strs. @270.56m is 12mm Qz-PY-MO VN, 30 tca. @271.3m solid 30mm Qz-PY-MO VN, 35 tca. @271.74m solid 30mm Qz-PY-MO VN, 55 tca. @272.16m solid 26mm Qz-PY-MO VN, 30 tca. @272.82m is 14mm Qz-PY-MO VN, 80 tca with branched out 12mm Qz-PY-MO VN, 0 tca. @273.43m contorted 12mm Qz-PY-EPI-MO VN, 40 tca. From 273.66m to 274.84m greenish granodiorite with strong silica altn, CON=60 tca with DI PY & BIO.

STRUCTURES

From	To	Struct	CA	Strain
263.20	274.84	BDG		W

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
263.20	274.84	-	-	M	W	W	M	-	M	VW	M	W	W	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
263.20	274.84	4	10	10	2	2	60

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
263.20	274.84	2	DISS	MO	0.1				

From	To	Litho
263.20	274.84	ARG

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
274.84	291.94	GDIO

Light grey andesite, feldspar phenocrysts, interfingered siltstone, narrow CA VN/strs, fine grained DI PY. Brittle core, controlled BY Qz & CA VNs/strs. @281.76m is 12mm Qz VN, 70 tca. @284.18m is 14mm Qz-PY, 90 tca. @285.48m solid 30mm Qz-PY-MO VN, 25 tca. @286.17m are two 10mm Qz-PY-MO VNs, 40 tca with abund Qz & CA strs. @287.24m pink 12mm Qz-PY-MO VN, 60 tca with abund Qz & CA narrow VN/strs. Below 287.5m partially broken core with moderate narrow Qz-PY-MO VNs, CA on fracture. @288.18-288.34m are three parallel Qz-PY-MO VNs. @288.62m is 12mm Qz-PY-MO VN, 50 tca with 10mm Qz-PY-MO VN, 80 tca branched out from the main VN. @288.74m pink 16mm Qz-PY-CA-EPI VN, 75 tca. @288.86m solid 38mm Qz-PY-MO VN, 50 tca with EPI on halo. @289.04m narrow 8mm Qz-pY-MO VN, 60 tca with Qz-PY-MO strs around. @289.16-289.44m broken core (pieces <5cm). @289.44-289.8m contorted but significant 40mm Qz-PY-MO VN, 10 tca with a few narrow Qz-PY-MO VNs radiating from the main VN (1% MO in ths interval). From 289.8m to 290.86m interbedded siltstone (CON=45 tca) with Qz-PY-MO VNs & abundant strs, CA on fracture. @290.2m is 16mm Qz-PY-MO VN, 60 tca. @390.34-390.44m carbonate zone, CON=50 tca. @290.72m is 14mm Qz-PY-MO VN, 75 tca. @290.82m solid 28mm, 45 tca. From 290.86m to 291.94m granodiorite dyke mottled Qz & CA strs with two thick Qz VNs. @291.22m significant 84mm Qz-PY-MO VN, 35 tca with EPI on halo, (>1% MO). @291.8m is 24mm Qz-PY-MO VN, 30 tca.

STRUCTURES				
From	To	Struct	CA	Strain
274.84	291.94	MASS		M

partially broken core

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
274.84	291.94	-	-	W	VW	W	M	VW	M	VW	M	M	M	

mod CA & weak EPI altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
274.84	291.94	6	35	20	3	3	

abundant Qz-PY-MO & CA strs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
274.84	291.94	4	VLT	MO	0.2				

From	To	Litho
291.94	299.00	GDIO

Fault zone with greenish granodiorite with interbedded siltstone, strong CA altn. Core is dominantly soft (fragments & gouge), Qz-CA-CAR +PY BB & strs. Qz-PY-MO VNs & traces of VNs, (0.2% MO in this iterval). @292.7m contorted 44mm Qz-PY-MO VN, 50 tca. @292.88m significant 60mm Qz-CAR-PY-MO VN, 30 tca. @293.5m flow bended zone (40cm, 50 tca) with very contorted Qz-CAR-CA-MO-EPI VN, 40 tca. @293.74-293.96m are three 10-22mm Qz-CAR-PY-MO VNs, 80 tca. @293.96-294.16m shear zone, gouge. @294.16m significant 92mm Qz-PY-MO-EPI VN, 50 tca (~2% MO in this VN). @294.4m brecciated 40mm Qz-CAR-CA-PY-MO VN, 20 tca. From 275.14-275.64m brecciated Qz-CA-CAR-PY-MO zone, CON =50 tca. From 295.8-296.9m broken core, fragments, CA on fracture, Qz-MO VNs. @296.1m is 24mm Qz-PY-MO VN, 65 tca. @296.7-297.07m contorted Qz-CAR-PY-MO-Chl VN, 10 tca (>1% MO in this VN). From 297.0m to 297.8m siltstone with strong Chl & CA altn & stockwork contorted 8-20mm Qz-CAR-PY-MO VNs, 60-80 tca. Below 297.8m brittle & broken core. @298.0m is 14mm Qz-PY-CAR-MO VN, 75 tca. @298.94m dispersed 20mm Qz-PY-MO VN, 50 tca.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
291.94	299.00	GDIO

Fault zone with greenish granodiorite with interbedded siltstone, strong CA altn. Core is dominantly soft (fragments & gouge), Qz-CA-CAR +PY BB & strs. Qz-PY-MO VNs & traces of VNs, (0.2% MO in this iterval). @292.7m contorted 44mm Qz-PY-MO VN, 50 tca. @292.88m significant 60mm Qz-CAR-PY-MO VN, 30 tca. @293.5m flow bended zone (40cm, 50 tca) with very contorted Qz-CAR-CA-MO-EPI VN, 40 tca. @293.74-293.96m are three 10-22mm Qz-CAR-PY-MO VNs, 80 tca. @293.96-294.16m shear zone, gouge. @294.16m significant 92mm Qz-PY-MO-EPI VN, 50 tca (~2% MO in this VN). @294.4m brecciated 40mm Qz-CAR-CA-PY-MO VN, 20 tca. From 275.14-275.64m brecciated Qz-CA-CAR-PY-MO zone, CON =50 tca. From 295.8-296.9m broken core, fragments, CA on fracture, Qz-MO VNs. @296.1m is 24mm Qz-PY-MO VN, 65 tca. @296.7-297.07m contorted Qz-CAR-PY-MO-Chl VN, 10 tca (>1% MO in this VN). From 297.0m to 297.8m siltstone with strong Chl & CA altn & stockwork contorted 8-20mm Qz-CAR-PY-MO VNs, 60-80 tca. Below 297.8m brittle & broken core. @298.0m is 14mm Qz-PY-CAR-MO VN, 75 tca. @298.94m dispersed 20mm Qz-PY-MO VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
291.94	299.00	FLT		W

fault zone

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
291.94	299.00	-	-	M	VW	M	M	-	M	VW	M	W	M	

CAR & CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
291.94	299.00	6	10	8	3	3	80

abundant Qz-PY-CAR-MO VNs/strs & CA strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
291.94	299.00	3	MG	MO	0.4				

good mineralization

From	To	Litho
299.00	308.40	HSLT

Brown hornfelsed siltstone, system of Qz-PY-MO+/- CAR VNs/strs (to 3-4% PY) & CA strs (>1-2% CA), MO (~0.2%). @299.24-299.54m three contorted 12-20mm Qz-PY-MO VN, 75 tca. @300.0m significant 14cm Qz-PY-MO-Chl VN, 50 tca. @300.62m significant 22cm Qz-PY-MO VN, 55 tca. @301.0m solid 42mm Qz-pY-MO VN, 80 tca. @301.12m is 14mm Qz-PY-MO VN, 65 tca with subparallel 10mm Qz-PY-MO VN. @301.28m contorted 40mm Qz-CAR-PY-MO VNs, 5 tca. @301.46-301.86m broken core, Qz & CA on fracture. @302.06m is 30mm Qz-PY-MO VN, 50 tca with abundant narrow Qz-PY-MO VNs/strs. @303.28-303.86m stockwork subparallel Qz-CAR-PY-MO VNs, 50 tca. @304.06-304.52m dispersed Qz-PY-Chl-MO VN, 50 tca. @ 302.76-307.0m fault zone with 65% broken core; Qz, PY & CA on fracture. @305.21m brecciated 40mm Qz-CAR-MO VN, 40 tca. @305.54m dispersed 16mm Qz-PY-MO VN,40 tca. @305.92m two parallel 10 & 18mm Qz-PY-MO VNs, 50 tca. @307.36m anastomosing 18mm Qz-PY-MO VN, 18mm Qz-pY-MO VN, 60 tca. @308.02m 12mm Qz-CA VN, 30 tca.

STRUCTURES

From	To	Struct	CA	Strain
299.00	308.40	FLT		W

~50% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
299.00	308.40	-	-	W	VW	-	M	-	S	VW	W			VW

strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
299.00	308.40	4	8		2	3	50

abundant Qz-PY-MO VNs/strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
299.00	308.40	2	DISS	MO	0.15				

~0.1-0.2% MO

From	To	Litho
308.40	315.40	HSLT

Brown hornfelsed siltstone, structure controlled by abundant Qz-PY-MO VNs/strs & CA strs, MO (0.2%). @309.4m contorted 20mm Qz-pY-MO VN, 60 tca with Qz-PY-MO blotches around. @309.64m is 14mm Qz-PY-MO VN, 40 tca with abundant narrow contorted Qz-PY-MO VNs/strs & blotches. @309.98m contorted 32mm Qz-pY-MO VN with narrow VNs radiating from the main VN. @309.2m contorted 30mm Qz-pY-MO VN, 20 tca. @309.54m contorted 22mm Qz-CAR-PY-MO VN, 75 tca. @311.34m contorted 24mm Qz-PY-MO VN, 40 tca with MO on selvage. @311.44m lense 10cm of Qz-CAR-PY-MO VN with abundant Qz strs & tiny PY strs in bedding direction 80 tca. @312.6m solid Qz-PY-MO VN, 65 tca. @312.8-313.02m significant Qz-PY-MO VN, 65 tca with interfingered siltstone. @313.02-313.52m breccia zone with tiny MO strs. @313.58m contorted 14mm Qz-PY-MO VN, 70 tca.

STRUCTURES

From	To	Struct	CA	Strain
308.40	315.40	BDG	50	W

6% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
308.40	315.40	-	-	-	VW	W	M	-	S	VW				

strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
308.40	315.40	6	8		2	3	

Qz-PY-MO VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
308.40	315.40	4	VLT	MO	0.2				

tiny PY strs

From	To	Litho
315.40	325.00	HSLT

Brown hornfelsed siltstone, strong Qz-CA-PY as BB & VNs, intense network PY strs (to 3-4% PY & to 3-5% CA), Qz rims moderate overprint by CA on fracture, Qz-PY-MO VNs/strs, MO (>0.2%). @314.0m solid 24mm Qz-Py-MO VN, 70 tca with Qz-PY-MO VNs around. @314.16m solid 15cm Qz-PY-MO VN, 55 tca with subparallel 12mm Qz-PY-MO VN. @314.56m 8mm Qz-PY-MO VN, 55 tca with MG strs in bedding direction. @314.82-314.96m significant Qz-Chl-CAR-PY-MO VN, 60 tca with interfingered siltstone. From 315.3-316.4m fault zone, fragments, CA on fracture. @315.34m is 18cm Qz-PY-MO VN, 60 tca with interfingered siltstone. @315.74m is 34mm Qz-PY-MO VN, 35 tca. @315.94m is 48mm Qz-PY-MO VN, 10 tca. @316.78-317.24m are six subparallel 10 & 16mm Qz-PY-MO VN, 65-70 tca. @317.4m solid 13cm Qz-Chl-CA-MO VN, 60 tca. @317.58m solid 36mm Qz-PY-MO VN, 40 tca. @317.98m branched out 24mm Qz-PY-MO VN, 60 tca. @319.18m solid 32mm Qz-PY-EPI-MO VN, 50 tca. @319.32m is 18mm Qz-PY-EPI-MG-MO VN, 40 tca. @320.18m dendritic 16mm Qz-CAR-PY-MO VN, 50 tca. @320.66m solid 16cm Qz-AB-PY-MO VN, 55 tca. Below 321.0m abundant (>10 VNs/m) narrow (<8mm) Qz-PY-MO VN, 45-75 tca. @322.16m pink 20mm Qz-PY-MO VN, 60 tca. @322.6m anastomosing 22mm Qz-PY-EPI-MO VN, 70 tca. @323.0-323.2m are three solid 20-24mm Qz-PY-MO VN, 65 tca. Below 323.66m abundant narrow Qz-PY-MO VNs & strs, 60 tca. @324.44m solid 26mm Qz-PY-MO VN, 70 tca.

STRUCTURES

From	To	Struct	CA	Strain
315.40	325.00	BDG	50	W

~4-7 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
315.40	325.00	-	-	W	VW	-	M	-	S	VW				

mod CA & weak EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
315.40	325.00	7	10		2	4	40

baundant narrow Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
315.40	325.00	4	VLT	MO	0.2				

>0.2% MO

CH0605

Initials: ________

From	To	Litho
325.00	340.32	HSLT

Brown hornfelsed siltstone, system of Qz-PY-MO VNs/stockwork with significant MO trays & CA strs, (MO 0.2%), porphyritic andesite zone, strong BIO with dominated Qz overprint, reticulated network tiny PY strs. @325.1m anastomosing 12mm Qz-PY-MO VN, 45 tca, (MO on selvage of VN). @325.34-325.48m granodiorite (CON=60 tca) with 18mm pink Qz-PY-MO VN, 50 tca. @326.88m solid 30mm Qz-CA-PY-MO VN, 50 tca with subparallel Qz-PY-MO strs. @327.5m branched 22mm Qz-PY-MO VN, 80 tca. @327.78m is 20mm Qz-PY-MO VN, 50 tca. @328.32-328.76m contorted 44mm Qz-PY-MO VN, 40 tca. @329.04m solid 20mm Qz-PY-AB MO, 50 tca. @329.16m is 18mm Qz-PY-AB-MO VN, 65 tca with abundant <6mm Qz-PY-MO VNs below. @330.46m is 30mm Qz-PY-MO-MG VN, 45 tca. @330.64m shear zone 4cm thickness, 45 tca. @330.9m is 34mm Qz-PY-MO VN, 75 tca. From 331.32-333.3m granodiorite with BIO, plagioclase & orthoclase (CON=50 tca). @333.22m Qz-AB VN,60 tca with MO strs on halo.@333.3m is 30mm Qz-PY-MO-MG VN, 60 tca. @334.0-334.32m QZ-CAR zone with PY BB & MO strs, 40 tca. Below 334.4m system of Qz-PY +/-MO VNs/stockwork, weak CA, AB, Chl altn. @337.24m solid pink Qz-AB-CA-MO VN, 55 tca. @338.22m anastomosing 8mm Qz-PY-MO VN, 75 tca. @339.06m solid 60mm Qz-PY-MO VN, 65 tca with two subparallel 10mm Qz-PY-MO VN.

STRUCTURES

From	To	Struct	CA	Strain
325.00	340.32	BDG		M

~3 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
325.00	340.32	-	-	W	VW	-	M	-	W	VW	M		M	

Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
325.00	340.32	6	9		1	3	60

abundant Qz-AB & PY strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
325.00	340.32	3	MG	MO	0.2				

From	To	Litho
340.32	359.70	HSLT

Brown hornfelsed siltstone & sandstone, system of Qz-PY-MO VNs with strs, (MO <0.1%), strong BIO with dominated Qz-AB strs, network tiny PY strs in bedding direction. @340.6m two parallel 12mm Qz-PY-MO VN, 50 tca. @341.26m two parallel 10-12mm Qz-PY-AB-MO VN, 70 tca. @341.5m shear zone 3cm, 60 tca. @341.82m solid 26mm Qz-PY-MO VN, 80 tca. Below 341.9 Qz-AB-PY-MO strs, random VNs on bedding direction, 60 tca & network tiny PY strs. @346.96m pink 14mm Qz-PY-MO VN, 70 tca. @347.38m is 32mm Qz-PY-AB-MO VN, 65 tca. @348.94m boudinaged/sausaged 16mm Qz-AB-PY-MO VN, 30 tca. @348.12m dispersed 50mm Qz-PY-MO VN, 70 tca. @349.54-350.12m stockwork parallel 18-30mm Qz-PY-MG-MO VNs, 60 tca. @352.76m pink 12mm Qz-PY-MO VN, 70 tca. Below 352.8m contorted & sausage shaped Qz-PY-MO VNs & strs. @353.64m is 30mm Qz-PY-MG-MO VN, 90 tca. @353.7-354.0m zone contorted Qz-PY-MO-EPI VNs, 40-60 tca. @354.08m rim Qz-PY-EPI-MO VN, 35 tca. @354.54m is 14mm Qz-PY-MO VN, 40 tca. @354.86-355.24m zone with contorted 24mm Qz-PY-MO-EPI- VN, 20 tca with 6-8mm VNs radiating from the main VN. @355.38m brecciated 84mm AB-Qz-PY-MG-MO VN, 40 tca. @355.66m contorted 14mm Qz-PY-MO VN, 60 tca. @355.9m are 14mm Qz-PY-MO VN, 35 & 70 tca. @357.0m contorted 20mm Qz-PY-MO-EPI VN, no orient with abundant Qz-Py-MO-EPI strs below. @358.66m is Qz-PY-MG-MO VNs, 45 tca. @359.0m branched 16mm Qz-PY-AB-MO-MG VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
340.32	359.70	BDG		M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
340.32	359.70	-	-	VW	VW	-	-	-	W	VW	VW		M	

EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
340.32	359.70	5	8		1	2	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
340.32	359.70	3	VLT	MO	0.1				

From	To	Litho
340.32	359.70	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
359.70	374.40	HSLT

Brown hornfelsed siltstone & sandstone, system of Qz-PY-MO VNs with strs (MO <0.1%), strong BIO, dominated Qz-AB strs, network tiny PY strs in bedding direction. @350.92m sausaged 18mm Qz-PY-MO-MG VN, 50 tca. @360.24m solid 52mm pink Qz-PY-MO selvaged VN, 40 tca. @360.4m solid 26mm pink Qz-PY-CA-MO VN, 20 tca with tiny MO strs on halo. @360.6m is 20mm pink Qz-PY-MO VN, 70 tca. @361.0m solid 60mm Qz-PY-A-MO VN, 60 tca with subparallel 10mm branched Qz-PY-MO VN. Below 361.4m sandstone with narrow contorted VNs & strs of fine grained PY. @362.98m brecciated 12mm Qz-CAR VN, 75 tca. @365.94m solid 70mm Qz-PY-PO-MG-EPI VN, 50 tca with 12mm Qz-PY-MO VN, 10 tca radiating from the main VN. @364.74m is 10mm Qz-PY-MO VN, 45 tca. @365.58-366.34m greeenstone with contorted 26mm Qz-PY-MO VN, 15 tca & AB altn. @367.92m contorted 54mm Qz-PY-PO-Chl-MO VN, 40 tca. @367.32m is 34mm Qz-PY-MO VN, 50 tca. @367.36-367.7m light grey granodiorite dyke, coarse granular texture, 55 tca. @368.64m boudinaged Qz-PY-Cpy-MO VN, 30 tca. @368.88m pink 20mm Qz-CA-PY-MO-EPI VN, 80 tca. @369.4m is 12mm Qz-PY VN, 50 tca with Qz-PY-MO strs around. @371.26m anastomosing 10mm Qz-PY-MO VN, 70 tca. @371.32m is 18mm Qz-PY-Chl-MO VN, 75 tca. @371.34m is 16m Qz-PY-EPI-MO VN, 70 tca. @371.46m contorted 16mm Qz-PY-MO-EPI VN, 40 tca. @371.88m is 24mm Qz-PY-Chl-MO VN, 35 tca with narrow 6mm branched out VNs. @372.2m is 34mm Qz-PY-CAR-MO VN, 65 tca with Chl altn.@372.56m is 36 mm Qz-PY-EPI-MO VN, 50 tca with interfingered siltstone. @372.74m contorted 30mm Qz-AB-PY-Chl-MG-MO VN, 75 tca. @373.05-373.6m significant contorted 7mm Qz-PY-MO VN, 5 tca with many Qz-PY-MO strs on bedding direction, 65 tca (~2-3% MO in this interval). @373.56m solid 46mm Qz-PY-MO VN, 50 tca with branched out 20mm Qz-PY-MO VN, 40 tca. @374.24m solid 64mm Qz-PY-MO-Chl-MG VN, 80 tca.

STRUCTURES				
From	To	Struct	CA	Strain
359.70	374.40	BDG		M
	3-4% joints			

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
359.70	374.40	-	-	W	VW	-	M	-	W	VW	M	W	M	
mod Ca & weak EPI altn														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
359.70	374.40	6	10		1	3	60

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
359.70	374.40	3	VLT	MO	0.4				

From	To	Litho
374.40	387.00	HSLT

Brown hornfelsed siltstone, fine grained, CA & Chl altn, partially broken core, Qz-PY-MO VNs with strs, (MO <0.1%), strong BIO with dominated Qz-AB strs, tiny PY strs in bedding direction. @374.42-374.8m broken core, CA & Chl on fracture. @375m sausages Qz-Py-CA-MO VHN, 75 tca. @375.5m is 20m Q-PY-MO VN 60 tca. @375.85m is 44mm Q-PY-MO VN, 75 tca. @376m are two parallel 20 & 24mm Qz-PY-MO VNs, 60 tca. @376.26m is 36mm Qz-PY-MO-Chl VN, 40 tca. @371.4m two contorted 14mm Qz-PY-MO VNs, 70 tca cut off by 6mm Qz-Py-MO VN, 10 tca. @376.74m knot of narrow Qz-PY-AB-MO VNs, no orient. @377.26m contorted 26mm Qz-CA-PY-EPI-MO VN, 45 tca. @377.8m is 12mm Qz-PY-MO VN, 35 tca. @378.1m solid 22mm Qz-PY-Chl-MO VN, 50 tca. @378.32m is 16mm Qz-PY-MO VN, 55 tca. @378.6m solid 30mm Qz-PY-MO VN, 75 tca with narrow Qz-PY-MO VNs around. @379.16m solid 10cm Qz-PY-MO VN, 30 tca (MO on selvage). @379.76-379.72m gouge. @380.0m is 32mm Qz-PY-MO VN, 60 tca. @380.36m solid 26mm Qz-PY-MO VN, 70 tca. @380.82m solid 38mm Qz-PY-MO VN, 70 tca. @381.18m is 14mm Qz-PY-MO VN, 60 tca. @382.0-382.22m reticulated network narrow Qz-PY-MO VNs/strs. @383.1m solid 34mm Qz-PY-MO VN, 70 tca. @383.48-383.7m stockwork parallel 14-20mm Qz-PY-MO-MG VNs, 50-60 tca. @384.56m is 16mm Qz-PY-MO VN, 70 tca. From 384.7m to 385.28m broken core, fragments, CA, Chl & PY on fracture. Below 385.28m fine grained dark brown siltstone with network of tiny Qz-Qz- PY- MO strs. @386.48m is solid 30mm solid Qz- Chl-PY VNs, 60 tca.

STRUCTURES

From	To	Struct	CA	Strain
374.40	387.00	BDG	50	M
partially broken core				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
374.40	378.00	-	-	W	VW	-	M	-	W	VW	M			
CA & Chl														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
374.40	387.00	2	6		1	1	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
374.40	387.00	2	VLT	MO	0.1				

From	To	Litho
387.00	392.00	HSLT

Brown hornfelsed siltstone, CA altn, Qz-PY-MO VNs with strs, (MO <0.1%), moderate BIO, network tiny PY strs in bedding direction, contact to granodiorite =30 tca. @387.60m is 10mm Qz-Py-MO VN, 70 tca with Qz-PY-MO strs around. @388.7m is 16mm Qz-PY-MO VN, 70 tca with network tiny Qz-PY-MO strs around. @388.94m two parallel 14 & 24mm Qz-PY-MO-MG-EPI VNs, 50 tca. @389.74m sausage shaped 12mm, Qz- MO- PY- VNs, 50 tca. From 390.18m to 390.38m reticulated network narrow Qz- PY- MO & Qz-CA-CAR VNs. @390.54m solid 30mm,Qz-MG-MO-AB VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
387.00	392.00	BDG	60	M
partially broken core				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
387.00	392.00	-	-	VW	W	-	M	-	M	VW	M		M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
387.00	392.00	3	6		2	2	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
387.00	392.00	2	VLT	MO	0.2				
~.2% MO									

Initials: ________

From	To	Litho
392.00	399.80	GDIO

Light grey granodiorite with well formed crystals, BIO, plagioclase feldspar phenocrysts, MO specks, from moderate to strong CA altn. @393-45-394.29m fragments, brittle core, strong CA altn. @395.33-396.56m fragments, brittle core, strong CA altn. @398.24m dispersed 16mm Qz-MO VN, 45 tca. @399.24m pinkish 20mm Qz-AB-PY-MO VN, 40 tca, contact to siltstone=50 tca.

STRUCTURES

From	To	Struct	CA	Strain
392.00	399.80	MASS		W

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
392.00	399.80	-	-	-	W	-	-	-	M		S	M	W	

from mod to strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
392.00	399.80	0.3	40	30	4	0.2	45

two Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
392.00	399.80	2	DISS	MO	0.01				

medium grained DI PI

From	To	Litho
399.80	407.06	HSLT

Brown hornfelsed siltstone, strong CA altn, ~20% broken core, Qz-PY-MO VNs with strs, (MO <0.1%), moderate BIO, network tiny PY strs in bedding direction, contact to granodiorite =20 tca. @398.9-399.24m CA VN, 24mm, 10 tca with 7x7mm crystals. @399.24m solid 38mm Qz-PY-EPI-MO VN, 25 tca with 8mm contorted VN radiating with 5 tca. @401.00mm pieces 30mm Qz-PY -MO VN, 70 tca. @401.42-403.52m broken core, fragments, CA on fracture. @405.28m is 20mm Qz-PY-Chl-CA VN, 20 tca. @405.3-405.7m is 10mm Qz-CA VN, 5 tca with tiny Qz-PY-MO VN on halo (~0.5%MO). @405.8m magnetic Qz-PY-PO-Chl-MO VN, 30 tca. @406.46m is 24mm Qz-PY-MO VN, 40 tca with tiny Qz-PY-MO VNs on bedding direction, contact to granodiorite=45 tca.

STRUCTURES

From	To	Struct	CA	Strain
399.80	407.06	BDG		M

fault zone present

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
399.80	407.06	-	-	-	W	VW	M	-	M	VW	W		W	

strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
399.80	407.06	4	6		2	2	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
399.80	407.06	2	VLT	MO	0.1				

<0.1% MO in this interval

From	To	Litho
407.06	443.75	GDIO

Light grey to greenish chloritic variety granodiorite dyke, unaltered rock, coarse granular texture, random Qz-VNs, medium grained DI PY & MO specks & traces MO. @424.04m solid 12cm Qz-PY-EPI-MO VN, 70 tca. @426.56m pink 24mm Qz-PY-MO-CA VN, 45 tca. @427.52m solid 54 mm Qz-PY-EPI-MO VN, 65 tca. @429.84m solid 20mm Qz-PY-MO VN, 45 tca. @428.64m solid 60mm Qz-pY-MO VN, 60 tca. @428.8m two parallel solid 20mm & 55mm Qz-PY-MO VNs, 60 tca. @429.94m solid 40mm Qz-PY-MO VN, 35 tca. @437.3-437.57m Qz zone (with MO ~0.2%) & PY specks. @439.14m is 30mm Qz VN, 60 tca. @440.62m solid 93mm Qz-AB VN, 85 tca with BIO altn below. @443.4-444.0m solid Qz wth lightly greenish Chl zone, 45 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
407.06	443.75	GDIO

Light grey to greenish chloritic variety granodiorite dyke, unaltered rock, coarse granular texture, random Qz-VNs, medium grained DI PY & MO specks & traces MO. @424.04m solid 12cm Qz-PY-EPI-MO VN, 70 tca. @426.56m pink 24mm Qz-PY-MO-CA VN, 45 tca. @427.52m solid 54 mm Qz-PY-EPI-MO VN, 65 tca. @429.84m solid 20mm Qz-PY-MO VN, 45 tca. @428.64m solid 60mm Qz-pY-MO VN, 60 tca. @428.8m two parallel solid 20mm & 55mm Qz-PY-MO VNs, 60 tca. @429.94m solid 40mm Qz-PY-MO VN, 35 tca. @437.3-437.57m Qz zone (with MO ~0.2%) & PY specks. @439.14m is 30mm Qz VN, 60 tca. @440.62m solid 93mm Qz-AB VN, 85 tca with BIO altn below. @443.4-444.0m solid Qz wth lightly greenish Chl zone, 45 tca.

STRUCTURES

From	To	Struct	CA	Strain
407.06	443.75	MAS S		S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
407.06	443.75	-	-	W	M	-	VW	-	VW	VW	M	S		

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
407.06	443.75	2	30	20	1	0.5	

random Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
407.06	443.75	2	DISS	MO	0.01				

very weak MO

From	To	Litho
443.75	486.76	GDIO

Light grey to dark grey greenish chloritic variety granodiorite, hypidimorphic porphyritic coarse granular texture, strong BIO, AB, feldspar orthoclase, random Qz-VNs, minor hornblende granite zones, medium grained DI PY & MO specks & traces, weak Chl altn, MG VN & strs. @446.16m solid 66mm Qz-PY-Chl VN, 35 tca. @449.46m are two 6 & 20mm Qz-PY VNs, 55 & 90 tca. @451.66m solid 10cm Qz-PY VN, 60 tca. @451.96-452.44m Qz VN with MO specks & CA altn. @459.33m is solid 12cm pink Qz VN, 70 tca. From 460.44m to 461.1m pinkish granite, 55 tca contact. @471.53m are two parallel 18mm Qz VNs, 45 tca. From 474.2m to 482m light granodiorite with less biotization. @475.48m branched out 24mm MG VN, 35 tca. @480.74-481.18m pink Qz zone. From 482.8m to 485.2m is Qz-MG VN, 0 tca.
@486.76m E.O.H.

STRUCTURES

From	To	Struct	CA	Strain
443.75	486.76	MAS S		S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
443.75	486.76	-	-	W	M	-	VW	-	VW	VW	M	M	VW	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
443.75	486.76	0.5	30	30	1	0.5	

random Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
443.75	486.76	1	DISS	MO	0.01				

very weak MO

Initials: _______

From	To	Litho
443.75	486.76	GDIO

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION													
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

CHU Project - TTM Resources Inc.

Sample Report

SAMPLE NUMBER	HOLE ID	FROM	TO	LITHOLOGY	TYPE	Cu%	Mo%
44754	CH0604	9.14	11.28	HSLT	CORE	0.028	0.058
44755	CH0604	11.28	14.33	HSLT	CORE	0.021	0.028
44756	CH0604	14.33	17.37	HSLT	CORE	0.021	0.014
44757	CH0604	17.37	20.42	HSLT	CORE	0.033	0.022
44758	CH0604	20.42	23.47	HSLT	CORE	0.027	0.015
44759	CH0604	23.47	26.52	HSLT	CORE	0.024	0.019
44760	CH0604	23.47	26.52	HSLT	DUPLICATE	0.034	0.010
44761	CH0604	26.52	29.57	HSLT	CORE	0.034	0.007
44762	CH0604	29.57	32.61	HSLT/GDIO	CORE	0.021	0.021
44763	CH0604	32.61	35.66	HSLT	CORE	0.031	0.014
44764	CH0604	35.66	38.71	HSLT	CORE	0.027	0.039
44765	CH0604	35.66	38.71	HSLT	BLANK	0.001	0.000
44766	CH0604	38.71	41.76	HSLT/MFIN	CORE	0.021	0.012
44767	CH0604	41.76	44.81	HSLT	CORE	0.017	0.010
44768	CH0604	44.81	47.85	HSLT	CORE	0.017	0.008
44769	CH0604	47.85	50.90	HSLT	CORE	0.010	0.011
44770	CH0604	47.85	50.90	HSLT	MoS-1	0.011	0.063
44771	CH0604	50.90	53.95	HSLT	CORE	0.023	0.013
44772	CH0604	53.95	57.00	HSLT	CORE	0.018	0.015
44773	CH0604	57.00	60.05	HSLT	CORE	0.025	0.031
44774	CH0604	60.05	63.09	HSLT	CORE	0.028	0.015
44775	CH0604	63.09	66.14	HSLT	CORE	0.023	0.008
44776	CH0604	66.14	69.19	HSLT	CORE	0.016	0.031
44777	CH0604	69.19	72.24	HSLT	CORE	0.027	0.013
44778	CH0604	72.24	75.29	HSLT	CORE	0.015	0.012
44779	CH0604	75.29	78.33	HSLT	CORE	0.038	0.016
44780	CH0604	75.29	78.33	HSLT	DUPLICATE	0.065	0.023
44781	CH0604	78.33	81.38	HSLT	CORE	0.023	0.024
44782	CH0604	81.38	84.43	HSLT	CORE	0.027	0.061
44783	CH0604	84.43	87.48	HSLT	CORE	0.010	0.011
44784	CH0604	87.48	90.53	HSLT	CORE	0.042	0.036
44785	CH0604	87.48	90.53	HSLT	BLANK	0.000	0.000
44786	CH0604	90.53	93.57	HSLT	CORE	0.072	0.015
44787	CH0604	93.57	96.62	HSLT	CORE	0.038	0.022
44788	CH0604	96.62	99.67	HSLT	CORE	0.020	0.041
44789	CH0604	99.67	102.72	HSLT	CORE	0.032	0.020
44790	CH0604	99.67	102.72	HSLT	MoS-1	0.011	0.062
44791	CH0604	102.72	105.77	HSLT	CORE	0.041	0.008
44792	CH0604	105.77	108.81	HSLT	CORE	0.051	0.009
44793	CH0604	108.81	111.86	HSLT	CORE	0.010	0.033
44794	CH0604	111.86	114.91	HSLT	CORE	0.031	0.017
44795	CH0604	114.91	117.96	HSLT	CORE	0.026	0.029
44796	CH0604	117.96	121.01	HSLT	CORE	0.032	0.045
44797	CH0604	121.01	124.05	HSLT	CORE	0.035	0.015
44798	CH0604	124.05	127.10	HSLT	CORE	0.050	0.020
44799	CH0604	127.10	130.15	HSLT	CORE	0.019	0.017
44800	CH0604	127.10	130.15	HSLT	DUPLICATE	0.033	0.021
44801	CH0604	130.15	133.20	HSLT	CORE	0.020	0.022
44802	CH0604	133.20	136.25	HSLT	CORE	0.030	0.015
44803	CH0604	136.25	139.29	HSLT	CORE	0.019	0.028
44804	CH0604	139.29	142.34	HSLT	CORE	0.011	0.020
44805	CH0604	139.29	142.34	HSLT	BLANK	0.000	0.000
44806	CH0604	142.34	145.39	HSLT	CORE	0.019	0.066
44807	CH0604	145.39	148.44	HSLT	CORE	0.033	0.018
44808	CH0604	148.44	151.49	HSLT	CORE	0.050	0.024
44809	CH0604	151.49	154.53	HSLT	CORE	0.033	0.013
44810	CH0604	151.49	154.53	HSLT	BLANK	0.001	0.000
44811	CH0604	154.53	157.58	HSLT	CORE	0.016	0.020
44812	CH0604	157.58	160.63	HSLT	CORE	0.016	0.007
44813	CH0604	160.63	163.68	HSLT	CORE	0.012	0.006
44814	CH0604	163.68	166.73	HSLT	CORE	0.021	0.011
44815	CH0604	166.73	169.77	HSLT	CORE	0.014	0.010
44816	CH0604	169.77	172.82	HSLT	CORE	0.011	0.020
44817	CH0604	172.82	175.87	HSLT	CORE	0.013	0.027
44818	CH0604	175.87	178.92	HSLT	CORE	0.023	0.005
44819	CH0604	178.92	181.97	HSLT	CORE	0.024	0.027
44820	CH0604	178.92	181.97	HSLT	DUPLICATE	0.028	0.014
44821	CH0604	181.97	185.01	HSLT	CORE	0.020	0.009
44822	CH0604	185.01	188.06	HSLT	CORE	0.020	0.012
44823	CH0604	188.06	191.11	HSLT	CORE	0.027	0.010
44824	CH0604	191.11	194.16	HSLT	CORE	0.014	0.005
44825	CH0604	191.11	194.16	HSLT	BLANK	0.001	0.000
44826	CH0604	194.16	197.21	HSLT	CORE	0.031	0.012
44827	CH0604	197.21	200.25	HSLT	CORE	0.027	0.017
44828	CH0604	200.25	203.30	HSLT	CORE	0.021	0.005
44829	CH0604	203.30	206.35	HSLT	CORE	0.022	0.008
44830	CH0604	203.30	206.35	HSLT	MoS-1	0.012	0.064
44831	CH0604	206.35	209.40	HSLT	CORE	0.019	0.008
44832	CH0604	209.40	212.45	HSLT	CORE	0.027	0.013
44833	CH0604	212.45	215.49	HSLT	CORE	0.020	0.008
44834	CH0604	215.49	218.54	HSLT	CORE	0.013	0.004
44835	CH0604	218.54	221.59	HSLT	CORE	0.028	0.005
44836	CH0604	221.59	224.64	HSLT	CORE	0.018	0.005
44837	CH0604	224.64	227.69	HSLT	CORE	0.009	0.006
44838	CH0604	227.69	230.73	HSLT	CORE	0.025	0.002
44839	CH0604	230.73	233.78	HSLT	CORE	0.044	0.001

CHU Project - TTM Resources Inc.

Sample Report

SAMPLE NUMBER	HOLE ID	FROM	TO	LITHOLOGY	TYPE	Cu%	Mo%
44840	CH0604	230.73	233.78	HSLT	DUPLICATE	0.034	0.002
44841	CH0604	233.78	236.83	HSLT	CORE	0.037	0.003
44842	CH0604	236.83	239.88	HSLT	CORE	0.023	0.002
44843	CH0604	239.88	242.93	HSLT	CORE	0.024	0.001
44844	CH0604	242.93	245.97	HSLT	CORE	0.037	0.003
44845	CH0604	242.93	245.97	HSLT	BLANK	0.002	0.000
44846	CH0604	245.97	249.02	HSLT	CORE	0.027	0.003
44847	CH0604	249.02	252.07	HSLT	CORE	0.012	0.003
44848	CH0604	252.07	255.12	HSLT	CORE	0.009	0.002
44849	CH0604	255.12	258.17	HSLT	CORE	0.042	0.006
44850	CH0604	255.12	258.17	HSLT	MoS-1	0.014	0.065
44851	CH0604	258.17	261.21	HSLT	CORE	0.010	0.004
44852	CH0604	261.21	264.26	HSLT	CORE	0.025	0.003
44853	CH0604	264.26	267.31	HSLT	CORE	0.070	0.003
44854	CH0604	267.31	270.36	HSLT	CORE	0.108	0.002
44855	CH0604	270.36	273.41	HSLT	CORE	0.027	0.002
44856	CH0604	273.41	276.45	HSLT	CORE	0.034	0.001
44857	CH0604	276.45	279.50	HSLT	CORE	0.017	0.003
44858	CH0604	279.50	282.55	HSLT	CORE	0.027	0.017
44859	CH0604	282.55	285.60	HSLT	CORE	0.080	0.013
44860	CH0604	282.55	285.60	HSLT	DUPLICATE	0.064	0.012
44861	CH0604	285.60	288.65	HSLT	CORE	0.117	0.003
44862	CH0604	288.65	291.69	HSLT	CORE	0.033	0.003
44863	CH0604	291.69	294.74	HSLT	CORE	0.021	0.011
44864	CH0604	294.74	297.79	HSLT	CORE	0.034	0.012
44865	CH0604	294.74	297.79	HSLT	BLANK	0.001	0.000
44866	CH0604	297.79	300.84	HSLT	CORE	0.022	0.003
44867	CH0604	300.84	303.89	HSLT	CORE	0.016	0.003
44868	CH0604	303.89	306.93	HSLT	CORE	0.027	0.004
44869	CH0604	306.93	309.98	HSLT	CORE	0.017	0.002
44870	CH0604	306.93	309.98	HSLT	MoS-1	0.012	0.064
44871	CH0604	309.98	313.03	HSLT	CORE	0.015	0.002
44872	CH0604	313.03	316.08	HSLT	CORE	0.016	0.002
44873	CH0604	316.08	319.13	HSLT	CORE	0.024	0.005
44874	CH0604	319.13	322.17	HSLT	CORE	0.029	0.004
44875	CH0604	322.17	325.22	HSLT	CORE	0.015	0.004
44876	CH0604	325.22	328.27	HSLT	CORE	0.021	0.002
44877	CH0604	328.27	331.32	HSLT	CORE	0.022	0.009
44878	CH0604	331.32	334.37	HSLT	CORE	0.019	0.007
44879	CH0604	334.37	337.41	HSLT	CORE	0.019	0.003
44880	CH0604	334.37	337.41	HSLT	DUPLICATE	0.019	0.015
44881	CH0604	337.41	340.46	HSLT	CORE	0.013	0.001
44882	CH0604	340.46	343.51	HSLT	CORE	0.020	0.001
44883	CH0604	343.51	346.56	HSLT	CORE	0.022	0.001
44884	CH0604	346.56	349.61	HSLT	CORE	0.018	0.002
44885	CH0604	346.56	349.61	HSLT	BLANK	0.001	0.000
44886	CH0604	349.61	352.65	HSLT	CORE	0.017	0.001
44887	CH0604	352.65	355.70	HSLT	CORE	0.037	0.001
44888	CH0604	355.70	358.75	HSLT	CORE	0.015	0.000
44889	CH0604	358.75	361.80	HSLT	CORE	0.013	0.001
44890	CH0604	358.75	361.80	HSLT	MoS-1	0.015	0.065
44891	CH0604	361.80	364.85	HSLT	CORE	0.018	0.001
44892	CH0604	364.85	367.89	HSLT	CORE	0.013	0.000
44893	CH0604	367.89	370.94	HSLT	CORE	0.023	0.001
44894	CH0604	370.94	373.99	HSLT	CORE	0.015	0.000
44895	CH0604	373.99	377.04	HSLT	CORE	0.028	0.001
44896	CH0604	377.04	380.09	HSLT	CORE	0.021	0.001
44897	CH0604	380.09	383.13	HSLT	CORE	0.016	0.000
44898	CH0604	383.13	386.18	HSLT	CORE	0.019	0.000
44899	CH0604	386.18	389.23	HSLT	CORE	0.016	0.001
44900	CH0604	386.18	389.23	HSLT	DUPLICATE	0.016	0.001
44901	CH0604	389.23	392.28	HSLT	CORE	0.020	0.001
44902	CH0604	392.28	395.33	HSLT	CORE	0.015	0.000

Signature: ______________________

Initials: _______

CH0604

From	To	Litho
0.00	9.14	OB

Overburden/Casing

STRUCTURES

From	To	Struct	CA	Strain
0.00	9.14	BDG		W

pebble, gravel, sand & clay

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
0.00	9.14	1	1				

trace of Qz-MO VN

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
9.14	19.62	HSLT

Dark brown siltstone, with broken core (~3-5%), surface weathering on joints, stockwork Qz-PY-MO VNs, MO mineralization ~0.5-1% in this interval, minor Cpy present. @9.34-9.6m granodiorite, feldspar phenocrysts, coarse & fine grained DI PY. @9.94m is 32mm Qz-PY-MO VN, 30 tca. @10.2m is 14mm Qz-PY-MO VN, 60 tca. @10.5m is 12mm Qz-PO-Cpy-MO VN, 30 tca. @10.62m boudinaged Qz-PO VN, 60 tca. @10.76m is 30mm Qz-PY-BIO-MO VN, 45 tca. @11.16m is 14mm Qz-PY-BIO-MO VN, 50 tca. @11.36m is 10mm Qz-PY-MO VN, 45 tca with moderate subparallel Qz-PY-MO strs. @12.06m dispersed 34mm Qz-Chl-PY-MO VN, 35 tca. @13.3-13.56m broken core. @13.66m boudinaged 8mm Qz-PY-Cpy-MO VN, 45 tca. @13.66m is 20mm Qz-CA-BIO-PY VN, 70 tca. @14.54m boudinaged milky Qz-PY-MO VN, 40 tca. Below 14.66m stockwork narrow <6mm Qz-PY-MO VNs. Below 18.8m greenish sandstone. @19.4m significant 60mm Qz-PO-PY-MO VN, 55 tca.

STRUCTURES

From	To	Struct	CA	Strain
9.14	19.62	BDG	45	W

5% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
9.14	19.62	-	-	VW	W	-	M	-	VW	-	M		VW	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
9.14	19.62	4	5			3	50

Qz-PY-MO stockwork

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
9.14	19.62	1	VLT	PO	1	MO	0.5		

MO >0.5%

From	To	Litho
19.62	30.56	HSLT

Brown to dark brown hornfelsed siltstone, locally strongly fractured, moderate BIO altn; abundant Qz-PO-MO strs. @19.86m contorted 16mm Qz-PO-MO-PY VN, 35 tca. @20.96m solid 16mm Qz-PO-MO VN, 40 tca with subparallel 10mm Qz-PO-MO VN. @21.65m dispersed 13mm Qz-PO-MO VN, 55 tca. @22.9-23.72m greenish sandstone with narrow <7mm Qz-PO-MO VNs in different orient. @23.72m solid 10cm Qz-PO-MO VN, 60 tca. Below 23.86m brown fine grained siltstone with very narrow Qz-PO-MO VNs/strs. @27.68m is 10mm Qz-PO-MO VN, 50 tca. From 27.72-29.9m greenish (medium gained +Qz) sanstone (like greensand), CA on fracture, PY strs & DI PY. @ 29.2m is 16mm Qz-PY-MO VN, 50 tca. From 29.34m to 30.05m broken core, surface weathering on fracture.

STRUCTURES

From	To	Struct	CA	Strain
19.62	30.56	BDG	60	M

from 29.34 to 30.05m broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
19.62	30.56	-	-	M	W	-	M	-	VW	-	W		W	

PO 1-2%

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
19.62	30.56	4	6		1	2	50

Qz-PO-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
19.62	30.56	1	VLT	PO	1.5	MO	0.5		

abundant Qz-PO-MO strs

From	To	Litho
19.62	30.56	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
30.56	32.85	GDIO

Coarse grained, light granodiorite dyke with PY strs (~2% PY), Cpy & MO specks, contact 45 tca.

STRUCTURES				
From	To	Struct	CA	Strain
30.56	32.85	MASS		S

1% joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
30.56	32.85	-	-	-	M	-	-	-	VW	-	W		W	

weak CA altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
30.56	32.85	0.1	50		0.2	1	70

silicification

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
30.56	32.85	2	DISS	CP	0.2	MO	0.01		

MO specks

From	To	Litho
32.85	39.40	HSLT

Brown hornfelsed siltstone with Qz veins stockwork +PY & MO, also MO strs are present. Abundant narrow & contorted strs mottled the core. @32.18m is 16mm Qz-PY-MO VN, 70 tca. @32.74m is 11mm Qz-PY-MO VN, 70 tca. @34.28m is 22mm Qz-Chl-PO VN, 70 tca. @35.25m is 10mm Qz-PY-MO VN, 55 tca. @35.71m is 15mm Qz-PY-MO VN, 75 tca. @35.88m is 14mm Qz-PY-PO-Chl-MO VN, 45 tca. From 36.88m to 37.21m Qz injected in bedding direction with crosscut 12mm Qz-MO VN, 50 tca. @38.12m is 14mm Qz-PY-MO VN, 55 tca. @37.88-39.05m breccia zone with DI PY & MO strs, 45 tca contact.

STRUCTURES				
From	To	Struct	CA	Strain
32.85	39.40	BDG	45	S

rock is hard, minor breccia zones

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
32.85	39.40	-	-	W	S	-	M	-	VW	-	W		W	

very weak CA altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
32.85	39.40	5	8			4	65

abundant Qz veinlets

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
32.85	39.40	3	VLT	MO	0.7	CP	0.1		

~0.5-1.0% MO

From	To	Litho
39.40	41.97	MFIN

Breccia zone (cataclastic metamorphic rock), cellular texture with the large grains (rounded) Qz, contorted & irregularly mixed narrow veins, dendritic Qz VNs, Qz-MO strs & fine grained DI PY, strong silicification, very weak Chl altn.

STRUCTURES				
From	To	Struct	CA	Strain
39.40	41.97	MASS	50	S

breccia

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
39.40	41.97	-	-	-	S	-	-	-	VW	-		M	W	

silica altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
39.40	41.97	0.5	50		0.5		40

dendritic Qz VNs, Qz-MO strs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
39.40	41.97	2	VLT	MO	0.6	PO	0.4		

~0.4-0.8% MO

From	To	Litho
39.40	41.97	MFIN

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
41.97	60.05	HSLT

Brown hornfelsed siltstone with stockwork Qz veins +PO/PY & MO. Also narrow Qz-PO-MO strs mottled the core, minor fault zones & granodiorite dykes are present. @44.3-44.8m broken core; CA & EPI on fracture. @45.17-45.47m granodiorite dyke with branched BIO-PY strs, contact 60 tca. Below 45.47m hornfelsed siltstone with BIO altn & narrow Qz-MO-PY VN & strs. @46.38m is 8cm granodiorite. @46.76m are two narrow 6mm Qz-MO VNs crosscut each other at 50 tca. @47.8m is 10mm Qz-BIO-PY-Cpy-MO VN, 45 tca. @49.14m selvage 8mm Qz-MO VN, 45 tca. @50.22m is 12mm Qz-PO-MO VN, 60 tca. @50.92m are two parallel 14 & 11mm Qz-BIO-PY-MO VNs, 75 tca. @52.2m is 12mm Qz-PY-MO VN 35 tca. @52.96m is 10mm Qz-BIO-MO-PY VN, 45 tca. Below 53.16m stockwork 6-10mm Qz-BIO-MO-PY VN, 40-65 tca, with five VN/m. @53.36m dispersed 36mm Qz-BIO-CA-PO-MO VN, 50 tca. @54.74m boudined 12mm Qz-BIO-PO-Cpy VN, 35 tca. @55.8-56.2m granodiorite dyke with PO strs & specks. Below 56.2m abundant narrow <10mm Qz-PO-MO VNs & strs with weak Chl altn (>1% MO in this interval).

STRUCTURES				
From	To	Struct	CA	Strain
41.97	60.05	BDG	45	S

rock is hard

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
41.97	60.05	-	-	W	S	-	M	-	VW	VW	W	W	M	

weak Chl altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
41.97	60.05	3	5	5	1	3	50

narrow <10mm Qz-PO-MO VN & strs.

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
41.97	60.05	2	VLT	PO	1.5	MO	1		

significant MO mineralization

From	To	Litho
60.05	65.03	HSLT

Brown hornfelsed siltstone with CA altn, minor dolomite, casual Qz-MO VNs & moderate Qz-PY-MO(+Chl) strs. @62.2m is 14mm Qz-PY-MO VN, 55 tca. @62.46m dolomite-CA-BIO-PY zone on bedding direction, 50 tca. @63.56m is 14mm Qz-PY-MO VN, 60 tca. @56.48m selvage Qz-PO-MO VN, 40 tca with 5mm Qz-PY-Cpy-MO VN, radiating from main VN.

STRUCTURES				
From	To	Struct	CA	Strain
60.05	65.03	BDG	45	M

2% joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
60.05	65.03	-	-	W	S	-	-	-	VW	VW				

weak Chl altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
60.05	65.03	3	5		1	3	50

casual Qz-MO VNs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
60.05	65.03	1	VLT	PO	2	MO	0.4		

good MO mineralization

From	To	Litho
65.03	75.38	HSLT

Brown hornfelsed siltstone with stockwork narrow Qz veins +PY/PO & MO, also abundant Qz-MO strs. Moderate Chl altn. From 66.14 to 66.72m granodiorite dyke, Chl & BIO altn, PY strs, contacts 45 & 40 tca. @66.72m contorted 18mm Qz-Chl-CA-PO VN, 40 tca. Below 66.8m siltstone with BIO altn & moderate narrow <6mm Qz-PY-MO VNs & strs (~0.2% MO). @70.22m are two parallel (7 & 10mm) Qz-PY-MO VNs, 50 tca. @70.36m is 12mm Qz-PY-MO VN, 40 tca. @70.78m dispersed 32mm Qz-Chl-PO-PY-MO VN, 40 tca. @71.14m is 8mm Qz-PY-MO VN, 40 tca. @72.0m boudinaged 11mm Qz-PY-MO VN, 40 tca. @72.22m is 12mm Qz-PY-MO VN, 40 tca with subparallel magnetic Qz-Chl-PO narrow zone. @73.5m contorted 14mm Qz-PY-MO VN, 40 tca with another 6mm Qz-PY-MO VN radiating from this VN. @74.46m is 10mm Qz-PO-MO VN, 40 tca with a few subparallel Qz-PO-MO VNs <5mm.

STRUCTURES

From	To	Struct	CA	Strain
65.03	75.38	BDG	45	M
	3-4% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
65.03	75.38	-	-	W	M	-	M	-	VW	-	M	W	M	
	moderate Chl altn													

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
65.03	75.38	4	6	6	0.5	2	50
	narrow Qz-PY/PO-MO VNs & strs						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
65.03	75.38	1	VLT	PO	1	MO	0.5		
	up to 0.5% MO in Qz-PO/PY-MO VNs & strs								

From	To	Litho
75.38	84.74	HSLT

Brown hornfelsed siltstone with stockwork narrow Qz veins +PY/PO & MO, also abundant Qz-MO strs. Moderate Chl & CA altn. @75.44m is 20mm Qz-PY-Cpy VN, 40 tca with anastomosed narrow 4-6mm Qz-PY-MO strs. @76.0m is 20mm CA-Chl-VN, 40 tca. From 76.12m to 77.26m are two anastomosed 5-6mm Qz-PY-MO VNs along the core. Below 77.3 network of narrow (<5mm) Qz-PY-MO VNs & strs (0.3-0.5% MO). @83.68m solid 60mm Qz-BIO-PY-MO VN, 80 tca. @83.95m is 8mm Qz-PY-BIO VN, 30 tca. @84.09m partially CA-BIO-PY VN, 20 tca. From 84.6m to 85.78m fault zone (~65% are pieces <10cm), CA on fracture. @86.3m is 10mm Qz-PY-MO VN, 20 tca.

STRUCTURES

From	To	Struct	CA	Strain
75.38	84.74	BDG	50	M
	3% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
75.38	84.74	-	-	W	M	-	M	-	W	-	M		M	
	BIO, Chl & CA altn													

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
75.38	84.74	3	6		1	3	50
	narrow Qz-PY-MO VNs +strs						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
75.38	84.74	1	VLT	PO	1	CP	0.2		
	>0.3% MO								

From	To	Litho
84.74	85.74	HSLT

Fault zone, fragments of CA on fracture, Qz-CA-PY-MO strs.

STRUCTURES

From	To	Struct	CA	Strain
84.74	85.74	BDG	50	W
	fault zone			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
84.74	85.74	-	-	-	M	-	M	-	W	-	W		W	
	CA altn													

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
84.74	85.74	0.1	1		1	0.2	50
	Qz-CA-PY-MO strs						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
84.74	85.74	0.3	VLT	PY	0.3	MO	0.1		
	Qz-CA-PY-MO strs								

From	To	Litho
85.74	98.67	HSLT

Brown hornfelsed siltstone (partially medium grained sandstone) with stockwork Qz veins +PY/PO, +MO & +/-MG, minor CA, also abundant Qz-MO strs, MO up to ~0.5-1.0%, ~1-2% MG. Moderate Chl & CA altn. @86.28m is Qz-PO-PY-MO VN, 30 tca. Below 86.4m abundant Qz-PY-MO strs (<5mm) & contorted Qz-Chl-PY-MO VNs (three-four VN/m). @88.3m are two parallel 12 & 10mm Qz-PY-MO +/-Chl VNs, 50 tca. @88.8m is 10mm Qz-AB-Chl VN with a few subparallel <6mm Qz-PY-MO strs. @89.0m is 20mm Qz-PY-MO VN, 60 tca. @89.32m milky Qz-PY-MO-MG VN, 40 tca. Below 89.74m reticulated stockwork/network Qz-PY-MO VNs & strs. @90.2m is 24mm Qz-PY-MO-MG VN, 40 tca. @91.86m is 17mm Qz-PY-MO-MG VN, 50 tca. @91.15-91.4m are two contorted 20 & 24mm Qz-Chl-PY-MO-MG VNs, 60 tca. @92.12m dispersed magnetic 40mm Qz-PY-PO-MO VN, 65 tca. @93.5m solid 14m Qz-PY-MO VN, 60 tca (5% MO in this VN). @92.86-93.12m are three 8-11mm Qz-PY-PO-Cpy-MO VNs, 35-50 tca. @93.23-93.47m dispersed Qz-Chl-MG-AB-MO veinlets (50 tca) cut off by 7mm Qz-PY-MO VN, 70 tca. Below 93.5m moderate (<5mm) Qz-PY-MO strs & contorted Qz-Chl-PY-PO-BIO +/-MG VNs. @94.78m is 12mm Qz-PO-MO VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
85.74	98.67	BDG	40	M

3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
85.74	98.67	-	-	M	M	-	M	-	W	-	W		M	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
85.74	98.67	4	5		0.2	4	50

3-4 VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
85.74	98.67	2	VLT	PO	2	MO	0.6		

MO mineralization

From	To	Litho
98.67	117.46	HSLT

Brown hornfelsed siltstone, minor greenish sandstone (medium grained, Qz present), significant stockwork Qz veins with PY/PO & MO +/-MG, minor CA, also abundant Qz-MO strs, MO ~0.5-1.0%, very weak MG. @98.68m solid 24mm Qz-PY-PO-MO VN, 40 tca with subparallel 16 mm Qz-PO-MO VN. Below 93.95m stockwork <10mm Qz-PO-PY-MO VNs. @101.57-101.83m broken core, CA, BIO & PY on fracture, trace of Qz-PY-MO VN. @103.26m dispersed 24mm Qz-BIO-CA-PY VN, 40 tca. @103.57m solid 22mm Qz-PO-MO VN, 50 tca. @104.68m is 14mm Qz-PY-MO VN, 45 tca. @105.11-105.55m are four subparallel 10 & 20mm Qz-PO-PY-Cpy-MO VN, 45 tca. @107.73m solid QzPO-Cpy-MO VN, 25 tca. @110.8m solid 10mm Qz-PO-Cpy-MO VN, 50 tca. From 11.6 to 112.12m significant zone with three 18-34mm Qz-PY-MO VNs, 40-45 tca. @112.35m is Qz-PY-BIO VN, 35 tca. @113.38-113.68m dolomite-AB zone has contact with very branched 26mm Qz-PY-BIO-MO VN, 50 tca. @114.88m thick dispersed 80mm Qz-BIO-MO VN, 40 tca. @115.02m anastomosing 10mm Qz-PY-MO VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
98.67	117.46	BDG	50	M

3-4 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
98.67	117.46	-	-	W	M	-	M	-	W	-	W		M	

BIO & weak CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
98.67	117.46	7	8		0.3	4	50

3-4 VN/m +moderate Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
98.67	117.46	2	VLT	PO	1	MO	0.7		

0.5-1.0% MO in this interval

From	To	Litho
117.46	117.96	HSLT

Fault zone, fragments, CA on fracture, pebble, clay, sand & gouge, trace Qz-CA-PY-MO VN.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
117.46	117.96	HSLT

Fault zone, fragments, CA on fracture, pebble, clay, sand & gouge, trace Qz-CA-PY-MO VN.

STRUCTURES

From	To	Struct	CA	Strain
117.46	117.96	FLT	50	VW

pebble, clay, sand & gouge

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
117.46	117.96	-	-	-	-	-	-	-	M	-				

fault zone

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
117.46	117.96	0.3	3		5	0.2	45

trace of Qz-PY-MO VN

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
117.46	117.96	0.1	VLT	MO	0.01				

trace of Qz-PY-MO VN

From	To	Litho
117.96	133.65	HSLT

Brown hornfelsed siltstone (with signifacant silica altn zones), stockwork Qz-PY/PO & MO +/-Cpy, minor CA, also abundant Qz-MO strs, MO >0.5-%, moderate Chl & weak CA altn. @119.0m solid 42mm Qz-PY-BIO-MO VN, 50 tca. From 119.2m to 120.52m granodiorite dyke with BIO & PY, feldspar phenocrysts, contacts =55 tca. @119.76m solid 44mm Qz-PY-MO VN, 60 tca. Below 120.52m abundant PO strs & Qz-MO-PO/PY strs. @120.82m solid 62mm Qz-PY-PO-Cpy-MO VN, 50 tca. @121.5m is 18mm Qz-PO-MO VN, 40 tca. @123.36m anastomosed 14mm Qz-PO-PY-Cpy-MO VN, 50 tca. @123.36m is 10mm Qz-pY-MO VN, 65 tca was branched out with 8mm Qz-PY-MO VN, 30 tca. @123.6m dispersed Qz-PY-PO-BIO VN, 60 tca. @124.68m solid 30mm Qz-PY-PO-MO VN, 30 tca. @124.78 is Qz-PY-MO VN, 45 tca. @125.21m is 10mm Qz-PY-Cpy-MO VN, 45 tca. @126.26m dendritic 13mm Qz-PY-Cpy-MO VN, 25 tca. From 126.6m to 127.5m zone with abundant contorted Qz-PO-Chl VNs, ~4-5% PO in this interval. @127.58m are two parallel 11-12mm Qz-PO-MO VNs, 50 tca. @129.54m selvage 18mm Qz-MO VN, 30 tca. @131.76m is 9mm Qz-PO-MO VN, 70 tca.

STRUCTURES

From	To	Struct	CA	Strain
117.96	133.65	BDG	50	M

3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
117.96	133.65	-	-	W	M	-	M	-	M	-	M		M	

PO altn, granodiorite dyke present

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
117.96	133.65	3	6	10		3	50

dominated Qz-PY-PO-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
117.96	133.65	1	VLT	PO	3	MO	1		

up to 1% MO

From	To	Litho
133.65	145.44	HSLT

Brown hornfelsed siltstone, stockwork Qz-PY/PO & MO +/-Cpy, also abundant Qz-MO strs, moderate Chl & weak CA altn. (> 0.1-0.2% MO). @134.72m dispersed & brittle CA-Qz-PO-MO VN, 40 tca. @137.44-138.15m fault zone, fragments, pebble, clay, sand & gouge. CA on fracture, trace Qz-CA-PY-MO VN. @139.74m is 5mm PY-BIO-CA VN, 40 tca. @140.42m is Qz-PY-MO VN, 50 tca. @143.22m conglomerate 60mm dolomite-BIO-PY-Qz zone. From 143.42m to 143.9m are four 10-20mm Qz-PY-BIO-CA VNs, 40 tca. @144.58m solid Qz-PO-BIO VN, 80 tca.

STRUCTURES

From	To	Struct	CA	Strain
133.65	145.44	BDG	60	M

0.71m fault zone present

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
133.65	145.44	-	-	M	M	-	M	-	W	-	M	VW	M	

PO ~2%

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
133.65	145.44	4	6		0.5	2	40

narrow Qz-PY-MO VNs +strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
133.65	145.44	1	VLT	PO	2	MO	0.2		

very weak Cpy

From	To	Litho
133.65	145.44	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
145.44	151.20	HSLT

Brown hornfelsed siltstone, stockwork Qz-PY/PO & MO +/-Cpy, also abundant Qz-MO strs, up to ~0.5% MO, strong Chl & weak CA altn. From 147.48m to 148.16m stockwork 10-18 tca Qz-PY-PO-MO VN, 65-80 tca & network Qz-PY-MO strs with ~4-6% PO. @149.0m solid 46mm Qz-PY-MO VN, 80 tca. @149.52m solid 32mm Qz-PY-MO VN, 70 tca. @151.07m selvege 14mm Qz-PO-PY-MO VN, 75 tca. @151.14m selvage 16mm Qz-PO-PY-MO VN, 40 tca.

STRUCTURES				
From	To	Struct	CA	Strain
145.44	151.20	BDG	50	M

3% joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
145.44	151.20	-	-	S	M	-	M	-	W	-	W		W	

PO & Chl altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
145.44	151.20	4	7			2	60

veinlets/stockwork

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
145.44	151.20	1	VLT	PO	4	MO	0.5		

PO nertwork

From	To	Litho
151.20	179.98	HSLT

Dark brown hornfelsed siltstone, stockwork Qz-PY/PO-MO, also abundant 1-5mm Qz-sulfide-MO strs, MO ~0.4-%, weak CA altn. @152.08m is 12mm Qz-PO-BIO-MO VN, 35 tca. @156.98m reticulated 24mm milky Qz-CA-PY-MO VN, 70 tca. @157.18m is 16mm Qz-PY-BI)-MO VN, 70 tca. @153.66m dispersed 16mm Qz-PY-MO VN, 50 tca. @163.2m is 15mm Qz-PY-MO VN, 60 tca. @164.34m is 18mm Qz-PY-PO-MO VN, 30 tca. @165.28m are two parallel 8mm Qz-PO-Cpy-MO VN, 20 tca. @165.46m solid 16mm Qz-PO-MO VN, 40 tca. @166.0m is 10mm Qz-PO-MO VN, 65 tca with subparallel narrow (<5mm) VNs/strs. @168.14m boudinaged 10mm Qz-PO-MO VN, 80 tca. @169.3m is 11mm Qz-PO-MO VN, 50 tca. @169.53m dendritic 10mm Qz-PO-MO VN, 35 tca.@169.96-170.8m knot of very narrow Qz-PO-MO strs. @171.4m boudinaged 10mm Qz-PO-MO VN, 50 tca. @172.67m is 12mm Qz-PO-MO VN, 55 tca. @173.14-173.32m broken core, fragments. @173.68m boudinaged 17mm Qz-PO-MO VN, 35 tca.

STRUCTURES				
From	To	Struct	CA	Strain
151.20	179.98	BDG	45	S

~3-4% joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
151.20	179.98	-	-	VW	M	-	M	-	W	-	W		W	

PO altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
151.20	179.98	4	6		0.5	3	50

Qz-PY-MO VNs +strs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
151.20	179.98	1	SM	PO	1.5	MO	0.4		

Cpy ocurance

From	To	Litho
179.98	192.50	HSLT

Dark brown hornfelsed siltstone, stockwork Qz-PY/PO-MO, also abundant Qz-sulfide-MO strs, MO ~0.3%, weak CA altn. @179.98-180.3m contorted 16mm Qz-PO-Cpy-MO VN along the core. @180.8m is 14mm Qz-PO-MO VN, 70 tca. @181.6-181.85m dispersed Qz-Chl-PY-Cpy-MO VN, 60 tca. @183.48-183.54m contorted Qz-Chl-PY-Cpy-MO VN, 80 tca. @185.64-185.7m Qz-dolomite zone, 70 tca. @186.44m boudinaged 10mm Qz-PY-MO VN, 40 tca. @186.7 boudinaged 15mm Qz-PO-MO VN, 30 tca. @189.24 boudinaged 16mm Qz-PO-MO VN, 40 tca. @189.50m branched 10mm Qz-AB-PO-MO VN,40 tca. From 190.0m to 192.0m are eight narrow (<8mm) Qz-PO-MO VNs in different orient.

STRUCTURES

From	To	Struct	CA	Strain
179.98	192.50	BDG	55	M

3-4% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
179.98	192.50	-	-	VW	M	-	M	-	W	-	VW		W	

weak CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
179.98	192.50	4	6		1	2	60

narrow VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
179.98	192.50	1	VLT	PO	1	MO	0.2		

0.2-0.3% MO

From	To	Litho
192.50	205.80	HSLT

Dark brown hornfelsed siltstone, stockwork Qz-PY/PO-MO, also abundant Qz-sulfide-MO strs, MO ~0.3%, narrow dolomite zones, moderate CA altn. @192.0m solid 34mm Qz-PO-MO VN, 60 tca. @192.75-192.86m dolomite-CA, 40 tca with MO strs. Below 193.15m Qz-sulfide-MO strs (~0.2-0.3% MO). @195.86-186.22m blended Qz-Chl-BIO-sulfide zone with weak MO strs. @196.96m are two parallel 16mm Qz-PO-MO VNs, 30 tca. @197.13-197.36m turbulent 36mm Qz-Chl-PY-MO VN, 30 tca. @197.41m dispersed Qz-PY-MO VN, 30 tca. Below 197.55m contorted narrow Qz-PY-MO VNs. @200.66-201.8m faut zone with breccia & moderate CA altn, contact =15 tca. @202.2m is 16mm Qz-MO-CA-PY VN, 45 tca. @202.38-202.8m CA altn, rock is soft. @204.1-204.7m faut zone with breccia & gouge, moderate CA altn.

STRUCTURES

From	To	Struct	CA	Strain
192.50	205.80	BDG	50	M

fault zone, L=1.1m

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
192.50	205.80	-	-	M	M	-	W	-	W	-	VW		W	

moderate CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
192.50	205.80	5	7		2	3	50

contorted veinlets

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
192.50	205.80	1	VLT	PO	1	MO	0.3		

Cpy occurance

From	To	Litho
205.80	218.60	HSLT

Brown fine grained hornfelsed siltstone, minor miscovite/sericite, stockwork Qz-PY/PO-MO, also abundant Qz-sulfide-MO strs, MO ~0.3%, narrow dolomite zones, moderate CA & BIO altn, casual Cpy. From 205.9m to 206.78m system subparallel narrow Qz-Chl-PO+MG+/-MO VNs, 40 tca crosscut by 8mm Qz-PO-MO VNs, 50 tca. @207.63m is 18mm Qz-PO-MO VN, 35 tca. Below 208.1m network narrow Qz-PO-MO VNs. @209.74m dispersed Qz-PO-PY-MO VN, 50 tca. @211.3-211.42m Qz-Chl-PO-MG zone, 75 tca bedding. @212.88m are three subparallel Qz-CA-BO-PY VNs, 35-40 tca. @213.9-214.35m turbulent zone with Qz-Chl-PO-PY-MO veinlets (~1% MO). @214.64m is 28mm Qz-PO-Cpy-Chl VN, 30 tca. @125.54m two contorted 12mm Qz-PO-MO VNs, 30 tca. @216.84m is 20mm Qz-PY-MO VN, 55 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
205.80	218.60	HSLT

Brown fine grained hornfelsed siltstone, minor miscovite/sericite, stockwork Qz-PY/PO-MO, also abundant Qz-sulfide-MO strs, MO ~0.3%, narrow dolomite zones, moderate CA & BIO altn, casual Cpy. From 205.9m to 206.78m system subparallel narrow Qz-Chl-PO+MG+/-MO VNs, 40 tca crosscut by 8mm Qz-PO-MO VNs, 50 tca. @207.63m is 18mm Qz-PO-MO VN, 35 tca. Below 208.1m network narrow Qz-PO-MO VNs. @209.74m dispersed Qz-PO-PY-MO VN, 50 tca. @211.3-211.42m Qz-Chl-PO-MG zone, 75 tca bedding. @212.88m are three subparallel Qz-CA-BO-PY VNs, 35-40 tca. @213.9-214.35m turbulent zone with Qz-Chl-PO-PY-MO veinlets (~1% MO). @214.64m is 28mm Qz-PO-Cpy-Chl VN, 30 tca. @125.54m two contorted 12mm Qz-PO-MO VNs, 30 tca. @216.84m is 20mm Qz-PY-MO VN, 55 tca.

STRUCTURES

From	To	Struct	CA	Strain
205.80	218.60	BDG	60	S

1-2 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
205.80	218.60	-	-	W	M	-	W	-	W	-	M		W	

~2% PO, silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
205.80	218.60	4	6		0.5	2	55

narrow contorted magnetic Qz-PO-MO Vns

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
205.80	218.60	0.5	VLT	PO	2	MO	0.1		

casual Cpy

From	To	Litho
218.60	226.30	HSLT

Brown & dark brown fine grained hornfelsed siltstone, minor miscovite/serisite, stockwork Qz-PY/PO-MO VNs, also abundant Qz-sulfide-MO strs, MO ~0.3%, Qz-Chl-PO-MG VNs, moderate CA & BIO altn, casual Cpy. @219.04-219.38m blended Qz-PO-Chy-MO zone, 45 tca. @219.66-220.0m a few anastomosed 5-8mm Qz-PO-MO VNs, 60-80 tca. @222.28m is 30 mm AB-Qz-PY-PO VN, 80 tca cut off by 5mm Qz-PO-MO VN, 65 tca. @222.76m is 10mm Qz-PO-MO VN, 40 tca. @223.08m is 30mm Qz-Chl-PO magnetic VN, 40 tca. @224.54m dispersed 34mm Qz-PO-MO VN, 45 tca. @224.64m very contorted 8mm Qz-PO-PY-MO VN, no orient. @225.4m solid 22mm Qz-PY-MO VN, 35 tca.

STRUCTURES

From	To	Struct	CA	Strain
218.60	226.30	BDG	60	S

2-3 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
218.60	226.30	-	-	M	M	-	-	M	W	-	M			

Chl & silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
218.60	226.30	4	6		0.2	2	60

narrow Qz-PO-MO VNs & Qz-Chl-PO-MG VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
218.60	226.30	0.5	VLT	PO	1.5	MO	0.2		

MG present in Qz-Chl-PO VNs

From	To	Litho
226.30	237.40	HSLT

Brown & dark brown fine grained hornfelsed siltstone, stockwork narrow Qz-PY/PO-MO VNs & strs (MO ~0.1%) & network narrow Qz-AB-Chl-PO-MG VNs +/- AB on halo; moderate silica, CA & BIO altn. @226.3m network AB-Chl-PO-MG strs cut off by two parallel 7mm Qz-PO-MO VNs, 40 tca. @229.86m solid 40mm Qz-PO-Chl-MG VN, 45 tca. @231.06-231.7m greenish medium grained sandstone, PO strs. @232.64m is 10mm Qz-PO-MO VN, 60 tca. @232.76-233.07m contorted 8mm Qz-PO-MO VN along the core. @236.56m branched out 50mm Qz-PO-Chl magnetic VN, 40 tca. @237.29m contorted Qz-PO-Chl-MG VN with AB on halo.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
226.30	237.40	HSLT

Brown & dark brown fine grained hornfelsed siltstone, stockwork narrow Qz-PY/PO-MO VNs & strs (MO ~0.1%) & network narrow Qz-AB-Chl-PO-MG VNs +/- AB on halo; moderate silica, CA & BIO altn. @226.3m network AB-Chl-PO-MG strs cut off by two parallel 7mm Qz-PO-MO VNs, 40 tca. @229.86m solid 40mm Qz-PO-Chl-MG VN, 45 tca. @231.06-231.7m greenish medium grained sandstone, PO strs. @232.64m is 10mm Qz-PO-MO VN, 60 tca. @232.76-233.07m contorted 8mm Qz-PO-MO VN along the core. @236.56m branched out 50mm Qz-PO-Chl magnetic VN, 40 tca. @237.29m contorted Qz-PO-Chl-MG VN with AB on halo.

STRUCTURES

From	To	Struct	CA	Strain
226.30	237.40	BDG	50	S

1-2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
226.30	237.40	-	-	M	M	-	M	-	VW	-	M		VW	

solica, BIO & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
226.30	237.40	1	3			1	50

narrow Qz-PO-MO VNs & magnetic Qz-Chl-PO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
226.30	237.40	1	VLT	PO	1	MO	0.1		

MG in Qz-PO-Chl VNs

From	To	Litho
237.40	261.00	HSLT

Brown & dark brown fine grained hornfelsed siltstone, Qz-PO-MO strs (<6mm), moderate silica, Chl & local CA altn. @239.05m narrow 8mm shear zone with CA. @239.88m contorted 18mm Qz-PO-Chl-MG VN, 40 tca (AB on halo). @246.3-246.54m stockwork 18-20mm Qz-Chl-PO-MG VNs, 40-50 tca. @249.02m is 8cm shear zone (CA & gouge). From 254.0m to 254.93m medium grained sandstone with strong silicification, 70 tca. @254.93-255.12m is CA-dolomite zone. @255.42-256.18m brecciated zone with strong silicification. @256.16m is 40mm shear zone with CA & BIO, contact 80 tca. @256.56-256.70 mrock is brittle with moderate CA & BIO, contact 75 tca. Below 256.7m strong BIO altn.

STRUCTURES

From	To	Struct	CA	Strain
237.40	261.00	BDG	45	M

~3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
237.40	261.00	-	-	W	M	-	W	-	W	-	M		W	

BIO & CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
237.40	261.00	1	3		1	1	50

random narrow Qz-PO-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
237.40	261.00	0.5	VLT	PO	1	MO	0.02		

weak MO

From	To	Litho
261.00	272.41	HSLT

Brown hornfelsed siltstone from fine to medium grained, structure controlled by contorted Qz-PO-MO VNs & strs in different orient, dispersed Qz-AB-PO-MG VNs, strong silicification, moderate Chl altn, magnetic ~1-2%. Below 262.55m more Qz & silica alteration with dispersed Qz-PO-AB-MG VNs mostly in bedding direction with crosscut 1-3mm Qz-PY-MO strs, PO blotches & specks, occures Cpy. @264.0m is 16mm Qz-PY-MO VN, 90 tca. @264.44m solid 22mm Qz-PO-Cpy-MO VN, 20 tca. @264.8m is 12mm Qz-PO-MO VN, 70 tca with subparallel 10mm Qz-PO-Chl-MG VN. @265.29m is 22mm Qz-PO-MO VN, 50 tca with a few subparallel narrow 5-10mm Qz-PO-MO VNs. @265.7m is 55mm Qz-PO-MO lense with PO HB around. @265.82m is 16mm Qz-PO-MO VN, 90 tca. @165.9m branched out Qz-PO-MG VN, 60 tca. Below 266.1m stockwork narrow Qz-PO +/-MO VNs & PO BB. @267.84m solid 70mm Qz-PO-Cpy-MO VN, 90 tca. @268.12m is 22mm Qz-PO-MO-Cpy VN, 30 tca. From 168.16m to 268.66m significant 24mm Qz-PO-Cpy-MO VN along the core. @268.84-269.1m contorted 20mm Qz-PO-MO VN. @270.24m branched out 20mm Qz-PO-MO VN, 50 tca. @270.32m is 16 mm Qz-PO-MO VN, 55 tca. @271.54m is Qz-PO-MG VN, 75 tca. @271.7m is 10mm Qz-PO-MO VN, 80 tca.

STRUCTURES

From	To	Struct	CA	Strain
261.00	272.41	BDG	55	S

1-2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
261.00	271.41	-	-	W	S	-	M	-	W	-	W	W	W	

silica & Cpy altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
261.00	272.41	8	15	10		4	55

4 VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
261.00	272.41	0.5	VLT	PO	3	MO	0.2		

Cpy blebs, MG~1-2%

From	To	Litho
272.41	283.70	HSLT

Brown hornfelsed siltstone from fine to medium grained, structure controlled by narrow ~10mm (or less) Qz-PO-MO VNs/strs & Qz-Chl-PO-MG VNs in different orient, up to 4% PO, 1% MG & 1% Cpy, moderate Chl altn. @272.48m is 18mm Qz-PO-MO VN, 75 tca. @273.96m is 40mm Qz-PO-Cpy-MO VN, 80 tca with PO & Cpy BB around. @272.64-273.04m Qz-Chl-PO zone with ~15% PO. @254.0-254.5m Qz-Chl-PO magnetic zone with ~30% PO in this interval. @276.0m is 10mm Qz-PO-MO VN, 55 tca. @279.3m is 10mm Qz-PO-MO VN, 75 tca associate with 10mm breccia. @282.92m is 16mm Qz-PO-MO VN, 50 tca

STRUCTURES

From	To	Struct	CA	Strain
272.41	283.70	BDG	50	S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
272.41	283.70	-	-	M	S	-	M	-	-	-	VW	M	W	

3-4% PO, 0.5%Cpy, 0.5%MG

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
272.41	283.70	3	6	5		3	55

Qz-PO-MO VNs/strs & magnetic Qz-Chl-PO VNs in different orien

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
272.41	283.70	0.5	VLT	PO	3	MO	0.15		

Qz-PO-MO VNs/strs & magnetic Qz-Chl-PO VNs

From	To	Litho
283.70	295.22	HSLT

Brown hornfelsed siltstone from fine to medium grained, minor greenish sandstone, structure controlled by narrow ~10mm (or less) Qz-PO-MO VNs/strs & Qz-Chl-PO magnetic VNs in different orient, ~3% PO, ~1% MG & ~1% Cpy, moderate Chl altn. From 283.78-284.26m greenish medium grained sanstone. @283.8m is 16mm Qz-PO-MO VN, 50 tca. @284.24m is 30mm Qz-CA-MO-PY VN, 28 tca. @284.46m is Qz-PY-BIO-MO VN, 80 tca. @284.76m contact to sandstone =80 tca. From 284.76-287.9m medium grained sandstone with veinlets ~4% PO, weak 1-2% MG, 0.5% Cpy. @285.2m branched out 14mm Qz-PO-MO VN, 40 tca. @285.42m is 26mm Qz-PO-MO VN, 70 tca. @285.7m dispersed 36mm Qz-PO-MO VN, 45 tca with PO & Cpy BB around. @286.06m dispersed Qz-PO-MO VN, 40 tca with two 6mm parallel VNs radiating from the main VN. @286.48m is 40mm Qz-PO-MO VN, 80 tca. @287.95m significant 10cm Qz-PO-Chl-MO VN, 40 tca. Below 288.16m stockwork <10mm Qz-PO-MO VNs, 50-65 tca. @289.26m solid 24mm Qz-PO-MO VN, 80 tca. @289. 54m solid 26mm Qz-PO-MO VN, 50 tca. @289.7-289.94m turbulent Qz-PO-Cpy-MO zone, contact 35 tca. Below 290.5m stockwork narrow <10mm Qz-PO-MO VNs & Qz-Chl-PO-MG VNs (three VN/m). @294.5m solid milky Qz-Chl-PO-MO VN, 55 tca with CA on edge. @294.74m is 40mm milky Qz-Chl-PO VN, 60 tca with subparallel Qz-PO-MO strs. @294.9m is 20mm Qz-PY-MO VN, 75 tca.

STRUCTURES

From	To	Struct	CA	Strain
283.70	295.22	BDG	60	S

3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
283.70	295.22	-	-	W	S	-	M	-	VW	-	W	M	W	

mod Chl & very weak CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
283.70	295.22	5	12	6	0.5	3	60

Qz-PO-MO VNs/strs & Qz-Chl-PO-MG VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
283.70	295.22	0.2	VLT	PO	4	CP	1		

MG ~1-2%

From	To	Litho
295.22	316.46	HSLT

Brown & dark brown hornfelsed silt stone (from fine to medium grained), minor greenish sandstone, moderate BIO, Chl & silica alteration, narrow Qz-PO-MO-MG VNs/strs & Qz-Chl-PO-MG VNs in different orient, ~3% PO, weak MG present. @297.73-297.88m is Qz-Chl-PO-Cpy magnetic zone. @299.26m magnetic 14mm AB-Qz-PO VN, 55 tca. @300.2m very contorted Chl-Qz-AB-PO-PY-Cpy VN, 55 tca. @300.84-301.02m solid magnetic Qz-Chl-PO-PY VN, 60 tca (~15% PY). @301.88-302.02m are two parallel 14mm Qz-Chl-CA VNs, 60 tca. @303.38m magnetic Qz-PO-Chl VN, 50 tca with Qz-MO on halo. @304.16m magnetic 16mm Qz-PO-CA VN, 35 tca. Below 304.8 narrow Qz-PO-MO 3-5mm strs. @307.8m magnetic 46mm Qz-PO-AB-Chl VN, 50 tca with Qz-PO-MO strs around. @311.16-311.8m broken core, fragments, CA strs <5mm. Blow 311.88m Qz-PO-MO strs, weak MO. @315.34m is 10mm Qz-MO VN, 80 tca. From 315.87m to 316.46 greenish monzonite, feldspar, plagioclase, Qz, biotite, PY BB, weak MG, 65 tca contact.

STRUCTURES

From	To	Struct	CA	Strain
295.22	316.46	BDG	50	S

hard rock

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
295.22	316.46	-	-	M	S	-	M	-	VW	-	M		W	

silica & BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
295.22	316.46	1	8	8	0.5	1	55

Qz-PO-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
295.22	316.46	0.5	SM	PO	1.5	MO	0.1		

Cpy <0.1%

From	To	Litho
316.46	328.79	HSLT

Brown & dark brown hornfelsed siltstone (from fine to medium grained), minor sandstone, moderate BIO & silica alteration, Qz-PO-MOstrs in different orient, ~2% PO, 0.5% Cpy, magnetic Qz-PO-Chl NVs. @317.18m magnetic 36mm Qz-POMO VN, 75 tca. From 317.53-319.13m breccia zone (cataclastic metamorphic rock) cellular texture with the large grains (rounded) Qz, irregular/dendritic Qz VNs, Qz-MO strs & fine grained DI PY, strong silicification, . @317.87-318.14m soft Qz-CA-MO-PO VN 80 tca. @319.13-319.48m strong silicification with PO strs & Cpy BB. (~3% PO & 2% Cpy in this interval). @319.36m magnetic 40mm Qz-BIO-PO-Cpy VN, 70 tca. @322.14m magnetic 20mm Qz-PO-Chl VN, 60 tca. @322.24m is 10mm Qz-Chl-PO-MO VN, 40 tca. @323.6m solid 60mm Qz-Chl-PO-Cpy VN, 60 tca. @328.0-328.3m quartzite-Chl zone with narrow PO strs.

STRUCTURES

From	To	Struct	CA	Strain
316.46	328.79	BDG	80	S

hard rock

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
316.46	328.79	-	-	M	S	-	M	VW	VW	-	M		W	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
316.46	328.79	2	6	4	0.3	0.5	70

mod Qz-PO-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
316.46	328.79	1	VLT	PO	2	CP	1		

Qz-PO-MO strs

From	To	Litho
328.79	343.00	HSLT

Brown & dark brown hornfelsed siltstone, moderate BIO & silica alteration, Qz-PO-MOstrs, ~2% PO, magnetic Qz-PO-Chl NVs. @329.24m magnetic 24mm Qz-Chl-PO-Cpy VN, 30 tca. @329.61m dispersed 32mm Qz-PO-PY-MO VN, 50 tca. @331.32-331.62m broken core, CA altn. @331.66m solid 72mm Qz-PY-Cpy-MO VN, 60 tca with contorted & magnetic Qz-PO-Chl VN below. @332.6m is 12mm Qz-PY-MO VN, 80 tca. @334.96m dolomite zone 9cm, 70 tca with 3mm Qz-MO VN on edge. Below 335.8m moderate BIO alteration. @338.05-338.2m CA-Chl altn with PO blotches & Qz-MO strs. @339.77m solid 40mm Qz-PY-Chl-MO VN, 50 tca. Below 340.46m strong silica alteration. @341.64m is 16mm Qz-PO-PY-MO VN, 60 tca. @342.64m is 22mm Qz-PY-MO VN, 60 tca. @343.13m are two parallel Qz-PO-Chl-MO VN, 65 tca.

STRUCTURES

From	To	Struct	CA	Strain
328.79	343.00	BDG	50	S

hard rock

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
328.79	343.00	-	-	W	S	W	-	-	VW	-	M		W	

mod BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
328.79	343.00	3	5	4	0.5	1	55

narrow Qz-PY-MO VN (<8cm)

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
328.79	343.00	1	VLT	PO	2	CP	0.5		

narrrow (<8mm) Qz-PY-MO VNs.

From	To	Litho
343.00	369.70	HSLT

Brown & dark brown hornfelsed siltstone, moderate BIO & silica alteration, minor argillite zones, Qz-PO-MO strs. @345.26m magnetic 14mm Qz-PO-Chl-MO VN, 50 tca. Below 345.4m parallel narrow (<8mm) Qz-PY-MO VNs, 55 tca. @348.9m contorted magnetic AB-Qz-PO-MO VN, 45 tca. @349.94m is 20mm Qz-CA-MO VN, 45 tca. @351.56m dispersed quartzite-Chl zone, 50 tca/bedding direction, cut off by 5mm PO VN, 90 tca. Below 353.75m network of Qz-PO & +/-MO. @354.34m significant 50mm magnetic Qz-PO-MO VN, 50 tca (>0.5%. MO in this VN). Below 354.7m Qz-PY-MO strs. @358.6m is 14mm Qz-PY-MO VN, 55 tca. @359.65m is 60mm CA-dolomite zone, 55 tca with PY & MO specks. @362.36m magnetic 32mm Qz-PO-PY-MO VN, 65 tca. @362.78m is 14mm Qz-PO-MO VN, 50 tca cut off by two 10mm Qz-PY-MO VNs, 70 tca. @363.4-363.75m blended Qz-PO-Chl & Qz-PO/PY-MO dispersed VNs, 50 tca/bedding direction. @364.4m is 12mm Qz-PY-MO VN, 70 tca. @367.4m is 30mm CA-dolomite zone, 70 tca. @369.45m is 30mm Qz-PO-PY-Cpy-MG-MO VN, 70 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
343.00	369.70	HSLT

Brown & dark brown hornfelsed siltstone, moderate BIO & silica alteration, minor argillite zones, Qz-PO-MO strs. @345.26m magnetic 14mm Qz-PO-Chl-MO VN, 50 tca. Below 345.4m parallel narrow (<8mm) Qz-PY-MO VNs, 55 tca. @348.9m contorted magnetic AB-Qz-PO-MO VN, 45 tca. @349.94m is 20mm Qz-CA-MO VN, 45 tca. @351.56m dispersed quartzite-Chl zone, 50 tca/bedding direction, cut off by 5mm PO VN, 90 tca. Below 353.75m network of Qz-PO & +/-MO. @354.34m significant 50mm magnetic Qz-PO-MO VN, 50 tca (>0.5%. MO in this VN). Below 354.7m Qz-PY-MO strs. @358.6m is 14mm Qz-PY-MO VN, 55 tca. @359.65m is 60mm CA-dolomite zone, 55 tca with PY & MO specks. @362.36m magnetic 32mm Qz-PO-PY-MO VN, 65 tca. @362.78m is 14mm Qz-PO-MO VN, 50 tca cut off by two 10mm Qz-PY-MO VNs, 70 tca. @363.4-363.75m blended Qz-PO-Chl & Qz-PO/PY-MO dispersed VNs, 50 tca/bedding direction. @364.4m is 12mm Qz-PY-MO VN, 70 tca. @367.4m is 30mm CA-dolomite zone, 70 tca. @369.45m is 30mm Qz-PO-PY-Cpy-MG-MO VN, 70 tca.

STRUCTURES

From	To	Struct	CA	Strain
343.00	369.70	BDG	50	S

hard rock

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
343.00	369.70	-	W	VW	S	-	W	-	VW	-	M		VW	

mod BIO & weak Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
343.00	369.70	2	4		0.5	0.5	50

narrow <1cm Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
343.00	369.70	0.5	VLT	PO	1	MO	0.05		

0.1% MO

From	To	Litho
369.70	385.84	HSLT

Brown hornfelsed siltstone, mod Chl & strong silica alteration, Qz-PO-MO strs. @369.96-370.1m Chl altn with Qz-PY-MO strs. @371.0m is 15mm Qz-Chl zone with minor PY strs, 60 tca. Below 372.55m medium grained sanstone. @373.5m brecciated 24mm CA-dolomite zone, 65 tca. @374.32m is 70mm Qz-CA-dolomite zone with PY strs & MO, 70 tca. @375.08m is 40mm Qz-PY-Cpy-MO VN, 60 tca. @375.9m 78mm Qz-PO-PY-Cpy-MO VN, 40 tca (~15% sulfide). @376.34-377.57m breccia zone (cataclastic metamorphic rock) cellular texture with the large grains (rounded) Qz, contorted & irregularly mixed narrow veins, fine grained DI PY (~2-3%), strong silicification, very weak Chl altn. Below 378.84m narrow (<1cm) Qz-PY-MO strs, @380.8-381.44m greenish monzonite, feldspar phenocrysts, orthoclase & plagioclase, Qz. @332.62-332.82m magmetic Chl-PO zone. @384.26m is 40mm CA-dolomite zone, 80 tca. @384.44m solid 36mm Qz-PO-MO VN, 65 tca.

STRUCTURES

From	To	Struct	CA	Strain
369.70	385.84	BDG	70	S

hard rock

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
369.70	385.84	-	-	W	S	-	-	M	VW	-	W	M	W	W

mod Chl & strong silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
369.70	385.84	1	6	4	0.5	1	60

narrow <10mm Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
369.70	385.00	1	VLT	PO	2	CP	0.1		

Qz-PO-MO strs, weak MO

From	To	Litho
385.84	395.33	HSLT

Brown hornfelsed siltstone, minor sandstone, moderate Chl, strong silica alteration, Qz-PO-MO strs. @389.76m narrow 6mm Qz-PO-MO VN, 20 tca. From 390.0-392.36 m breccia zone, cellular texture with the large & medium grains (rounded) Qz, fine grained DI PY (~3%), strong silicification, very weak Chl altn, contact 60 tca. @392.36m is 8mm Qz-PO-MO VN, 60 tca. Below 393.44m Qz-PO-MO strs. @393.37-393.77m breccia zone, medium grains (rounded) Qz, contact 70 tca. @395.33m E.O.H.

STRUCTURES

From	To	Struct	CA	Strain
385.84	395.33	FLW	65	S

hard rock

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
385.84	395.33	-	-	W	S	-	W	-	VW	-		W	VW	

strong silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
385.84	395.33	1	6	6		1	

<5mm Qz-PO-MO VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
385.84	395.33	1	VLT	PO	2	MO	0.03		

weak <0.05% MO

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0603

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44613	6.85	11.28	HSLT	CORE	0.021	0.009
44614	11.28	14.33	HSLT	CORE	0.023	0.016
44615	14.33	17.37	HSLT	CORE	0.039	**0.107**
44616	17.37	20.42	HSLT	CORE	0.012	0.004
44617	20.42	23.47	HSLT	CORE	0.011	0.011
44618	23.47	26.52	HSLT	CORE	0.013	0.006
44619	26.52	29.57	HSLT	CORE	0.035	0.022
44620	26.52	29.57	HSLT	DUPLICATE	0.06	0.045
44621	29.57	32.61	HSLT	CORE	0.019	0.011
44622	32.61	35.66	HSLT	CORE	0.026	0.024
44623	35.66	38.71	HSLT	CORE	0.024	0.024
44624	38.71	41.76	HSLT	CORE	0.015	0.004
44625	38.71	41.76	HSLT	BLANK	0.001	0
44626	41.76	44.81	HSLT	CORE	0.023	0.009
44627	44.81	47.85	HSLT	CORE	0.02	0.026
44628	47.85	50.9	HSLT	CORE	0.033	0.003
44629	50.9	53.95	HSLT	CORE	0.012	0.002
44630	50.9	53.95	HSLT	**MoS-1**	0.009	**0.061**
44631	53.95	57	HSLT	CORE	0.013	0.003
44632	57	60.05	HSLT	CORE	0.016	0.006
44633	60.05	63.09	HSLT	CORE	0.01	0.009
44634	63.09	66.14	HSLT	CORE	0.015	0.007
44635	66.14	69.19	HSLT	CORE	0.014	0.003
44636	69.19	72.24	HSLT	CORE	0.01	0.007
44637	72.24	75.29	HSLT	CORE	0.011	0.008
44638	75.29	78.33	HSLT	CORE	0.017	0.003
44639	78.33	80.2	HSLT	CORE	0.028	0.001
44640	78.33	80.2	HSLT	DUPLICATE	0.02	0.006
44641	80.2	81	HSLT	CORE	0.082	**0.468**
44642	81	84.43	HSLT	CORE	0.014	0.006
44643	84.43	87.48	HSLT	CORE	0.02	0.008
44644	87.48	90.53	HSLT	CORE	0.026	0.015
44645	87.48	90.53	HSLT	BLANK	0	0
44646	90.53	93.57	HSLT	CORE	0.031	0.026
44647	93.57	96.62	HSLT	CORE	0.018	**0.082**
44648	96.62	99.67	HSLT	CORE	0.016	0.004
44649	99.67	102.72	HSLT	CORE	0.031	0.004
44650	99.67	102.72	HSLT	**MoS-1**	0.011	**0.062**
44651	102.72	105.77	HSLT	CORE	0.025	0.004
44652	105.77	108.81	HSLT	CORE	0.041	0.006
44653	108.81	111.86	HSLT	CORE	0.03	0.027
44654	111.86	114.91	HSLT	CORE	0.038	0.023
44655	114.91	117.96	HSLT	CORE	0.028	0.029
44656	117.96	121.31	HSLT	CORE	0.025	0.017
44657	121.31	122.55	HSLT	CORE	0.05	0.008
44658	122.55	127.1	HSLT	CORE	0.028	0.006
44659	127.1	130.15	HSLT	CORE	0.024	0.003
44660	127.1	130.15	HSLT	DUPLICATE	0.03	0.003
44661	127.1	130.15	HSLT	**MoS-1**	0.01	**0.064**
44662	127.1	130.15	HSLT	BLANK	0.01	0

SAMPLE REPORT

HOLE ID: CH0603

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44663	130.15	133.2	HSLT	CORE	0.028	0.033
44664	133.2	136.25	HSLT	CORE	0.018	0.006
44665	133.2	136.25	HSLT	BLANK	0	0
44666	136.25	139.29	HSLT	CORE	0.037	0.004
44667	139.29	142.34	HSLT	CORE	0.021	0.018
44668	142.34	145.39	HSLT	CORE	0.026	0.013
44669	145.39	148.44	HSLT	CORE	0.018	0.004
44670	145.39	148.44	HSLT	**MoS-1**	0.012	**0.061**
44671	148.44	151.49	HSLT	CORE	0.024	0.006
44672	151.49	154.53	HSLT	CORE	0.03	0.009
44673	154.53	157.58	HSLT	CORE	0.01	0.003
44674	157.58	160.63	HSLT	CORE	0.02	0.025
44675	160.63	163.68	HSLT	CORE	0.01	0.01
44676	163.68	166.73	HSLT	CORE	0.01	0.016
44677	166.73	169.77	HSLT	CORE	0.01	0.005
44678	169.77	172.82	HSLT	CORE	0.03	0.007
44679	172.82	175.87	HSLT	CORE	0.01	0.008
44680	172.82	175.87	HSLT	DUPLICATE	0.02	0.012
44681	175.87	178.92	HSLT	CORE	0.01	0.004
44682	178.92	181.97	HSLT	CORE	0.02	0.008
44683	181.97	185.01	HSLT/SDST	CORE	0.01	0.009
44684	185.01	188.06	SDST	CORE	0.02	0.013
44685	185.01	188.06	SDST	BLANK	0	0
44686	188.06	191.11	SDST	CORE	0.03	0.007
44687	191.11	194.16	SDST	CORE	0.01	0.002
44688	194.16	197.21	SDST	CORE	0.01	0.001
44689	197.21	200.25	SDST	CORE	0.01	**0.094**
44690	197.21	200.25	SDST	**MoS-1**	0.01	**0.064**
44691	200.25	203.3	SDST	CORE	0.03	0.006
44692	203.3	206.35	SDST	CORE	0.01	0.007
44693	206.35	209.4	SDST	CORE	0.01	0.008
44694	209.4	212.45	SDST	CORE	0.01	0.006
44695	212.45	215.49	SDST	CORE	0.01	0.004
44696	215.49	218.54	HSLT	CORE	0.02	0.021
44697	218.54	221.59	HSLT	CORE	0.02	0.022
44698	221.59	224.64	HSLT	CORE	0.02	0.003
44699	224.64	227.69	HSLT	CORE	0.01	0.004
44700	224.64	227.69	HSLT	DUPLICATE	0.02	0.003
44701	227.69	230.73	HSLT	CORE	0.01	0.009
44702	230.73	233.78	HSLT	CORE	0.01	0.007
44703	233.78	236.83	HSLT	CORE	0.01	0.011
44704	236.83	239.88	HSLT	CORE	0.02	0.009
44705	236.83	239.88	HSLT	BLANK	0	0
44706	239.88	242.93	HSLT	CORE	0.02	0.018
44707	242.93	245.97	HSLT	CORE	0.05	**0.379**
44708	245.97	249.02	SDST	CORE	0.02	0.006
44709	249.02	252.07	SDST	CORE	0.01	0.001
44710	249.02	252.07	SDST	**MoS-1**	0.01	**0.064**
44711	252.07	255.12	SDST	CORE	0.04	0.001
44712	255.12	258.17	SDST	CORE	0.01	0.001
44713	258.17	261.21	SDST	CORE	0.01	0
44714	261.21	264.26	SDST	CORE	0.01	0.001

SAMPLE REPORT

HOLE ID: CH0603

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44715	264.26	267.31	SDST	CORE	0.01	0.003
44716	267.31	270.36	SDST	CORE	0.02	0.032
44717	270.36	273.41	SDST	CORE	0.01	0.002
44718	273.41	276.45	SDST/HSLT	CORE	0.02	0.001
44719	276.45	279.5	HSLT	CORE	0.02	0.001
44720	276.45	279.5	HSLT	DUPLICATE	0.02	0.002
44721	279.5	282.55	HSLT	CORE	0.02	0.001
44722	282.55	285.6	HSLT	CORE	0.01	0
44723	285.6	288.65	HSLT	CORE	0.01	0
44724	288.65	291.69	HSLT	CORE	0.01	0
44725	288.65	291.69	HSLT	BLANK	0	0
44726	291.69	294.74	HSLT	CORE	0.02	0
44727	294.74	297.79	HSLT	CORE	0.01	0
44728	297.79	300.84	HSLT	CORE	0.01	0
44729	300.84	303.89	HSLT	CORE	0	0
44730	300.84	303.89	HSLT	**MoS-1**	0.01	**0.064**
44731	303.89	306.93	HSLT	CORE	0.01	0
44732	306.93	309.98	HSLT	CORE	0.01	0.001
44733	309.98	313.03	HSLT	CORE	0.01	0.001
44734	313.03	316.08	HSLT	CORE	0.01	0
44735	316.08	319.13	HSLT	CORE	0.01	0
44736	319.13	322.17	HSLT	CORE	0.01	0.002
44737	322.17	325.22	HSLT	CORE	0.01	0
44738	325.22	328.27	HSLT	CORE	0.01	0
44739	328.27	331.32	HSLT	CORE	0.01	0.002
44740	328.27	331.32	HSLT	DUPLICATE	0.03	0.002
44741	331.32	334.37	HSLT	CORE	0.03	0.001
44742	334.37	337.41	HSLT	CORE	0.02	0.01
44743	337.41	340.46	HSLT	CORE	0.02	0.003
44744	340.46	343.51	HSLT	CORE	0.02	0.003
44745	340.46	343.51	HSLT	BLANK	0.01	0.003
44746	343.51	346.56	HSLT	CORE	0.02	0.002
44747	346.56	349.61	HSLT	CORE	0.02	0.001
44748	349.61	352.65	HSLT	CORE	0.02	0
44749	352.65	355.7	HSLT	CORE	0.01	0
44750	352.65	355.7	HSLT	**MoS-1**	0.01	**0.062**
44751	355.7	358.75	HSLT	CORE	0.02	0
44752	358.75	361.8	HSLT	CORE	0.01	0.001
44753	361.8	364.85	HSLT	CORE	0.01	0.001

CHU Project - TTM Resources Inc.

Signature: ____________________

Initials: ________

CH0603

From	To	Litho
0.00	**6.85**	**OB**

Casing/Overburden

STRUCTURES

From	To	Struct	CA	Strain
0.00	6.85			W

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
6.85	**17.37**	**HSLT**

Fine grained siltstone with muscovite/sericite, strong biotization. Broken core (~40% fragments, pieces <10cm) with surface weathering on joints. @9.67m is 16mm Qz-PY-MO VN, 75 tca. @10.88m is 13mm Qz-PY-MO VN, no orinet. @13.6m is 16m Qz-PY-MO VN, 70 tca. @14.33-14.7m is 24mm AB-Qz-Chl VN, 55 tca veinlets radiating from this VN. @19.92m contorted 17mm AB-Chl VN, 30 tca. @15.21-16.02m is 12mm Qz-PY-BIO-MO VN, 15 tca.

STRUCTURES

From	To	Struct	CA	Strain
6.85	17.37	FR	75	W

surface weathering on joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
6.85	17.37	-	M	VW	-	-	W	-	W	-	S	VW	W	M

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
6.85	17.37	1	2	1	1	1	70

a few narrow VN containing MO

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
6.85	17.37	1	VLT	PY	1	PO	0.3		

first Qz-PY-MO VN @9.67m

 Initials: ______

From	To	Litho
17.37	32.61	HSLT

Dark brown fine grained siltstone, siliceous, BIO present, narrow Qz-PY VNs (~1 VN/m), weak foliation parallel bedding, MO present in tiny Qz strs, network tiny Qz-PY-MO strs. @30.33m is 7mm Qz-PY MO VN, 40 tca with subparallel MO strs. @31.88m solid 16mm Qz-PY-MO VN, 30 tca.

STRUCTURES

From	To	Struct	CA	Strain
17.37	32.61	BDG		M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
17.37	32.10	-	-	VW	M	-	-	-	W	-	W		W	
BIO altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
17.37	32.61	1	3			0.3	35
casual VNs, Qz-MO strs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
17.37	32.61	1	FG	MO					
minor MO									

From	To	Litho
32.61	46.10	HSLT

Hornfelsed siltstone (fine grained) Qz-PY-Chl strs & VNs, AB-Qz-Chl VNs (with very fine grained PY). Chl present almost in all VNs, siliceous, minor BIO, narrow Qz-PY VNs (~1 VN/m), weak MG & casual graphite. @33.13m is 34mm AB-CA-Qz-MO VN, 40 tca. @33.9m is Qz-PY-MO VN, 30 tca with two subparallel Chl-Qz-PY VN, 11mm & 12mm. @34.26m significant contorted Qz-PY-MO, 60 tca (0.4% MO in this VN). @34.34-35.42m stockwork AB-Qz-Chl-PY & Qz-PY +/-MO VNs, 30 tca. @36.53m is 12mm Qz-PY-MO VN, 70 tca. @36.62m is 15mm Qz-PY-BIO VN, 45 tca. @38.3-38.0m zone with boudinaged AB-Chl contorted veinlets. @40.28m is 14m Qz-PY VN, 20 tca. @41.71m is 13mm Qz-PY-MG-BIO-Cpy VN, 40 tca. @42.13m solid 136mm Qz-PY VN, 55 tca. @43.36m knot PY-Qz veinlets +/-MO. @44.81-45.16m knot Qz-PY-Chl veinlets +/- MO. @45.43m is 22mm Qz-PY-MO VN, 60 tca.

STRUCTURES

From	To	Struct	CA	Strain
32.61	46.10	BDG	40	M

2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
32.61	46.10	-	-	M	M	-	M	-	VW	-	VW	M		

Ch & AB altn, weak MG

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
32.61	46.10	3	4		1	1	40

AB-Qz-Chl VNs with very fine grained PY

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
32.61	46.10	2	VLT	PY	2	MO	0.1		

MO present in Qz VNs & strs

From	To	Litho
46.10	69.19	HSLT

Hornfelsed siltstone (fine grained), AB & Chl-dolomite VNs, narrow milky Qz-VNs; weak mineralization, PO ~1-2%. @46.1-46.75m & 47.85-48.0m are two dolomite-Chl zones. @49.5m is 26mm dispersed Qz-PY-MO VN, 30 tca. @56.9m dolomite-Chl network. From 52.42-52.9m zone with abundant AB-Chl veinlets, 35 tca with very weak mineralisation. @52.11m is 12mm Qz-PO-MO VN, 40 tca. @55.3-55.6m stockwork of subparallel Qz-AB-PO VNs, 40 tca. @59.2m is 14mm milky Qz-PO-MO VN, 40 tca. @59.8m dispersed 33mm AB-Chl-PO-Qz VN, 40 tca. Below 260.6m muskovite/sericite. @64.28m is 22mm Qz-PO-MO VN, 55 tca. @65.55-66.05m is Qz-Chl-PO VN, 45 tca. @66.0m is 10mm Qz-PO-MO VN, 45 tca. Below 66.5m abundant Qz-PY-MO strs & narrow VNs. @68.63m is 14mm Qz-PO-MO VN, 40 tca. @69.32m is 12mm Qz-PY-MO VN, 40 tca with Qz-PY-MO strs around.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

CH0603

Initials: ________

From	To	Litho
46.10	69.19	HSLT

Hornfelsed siltstone (fine grained), AB & Chl-dolomite VNs, narrow milky Qz-VNs; weak mineralization, PO ~1-2%. @46.1-46.75m & 47.85-48.0m are two dolomite-Chl zones. @49.5m is 26mm dispersed Qz-PY-MO VN, 30 tca. @56.9m dolomite-Chl network. From 52.42-52.9m zone with abundant AB-Chl veinlets, 35 tca with very weak mineralisation. @52.11m is 12mm Qz-PO-MO VN, 40 tca. @55.3-55.6m stockwork of subparallel Qz-AB-PO VNs, 40 tca. @59.2m is 14mm milky Qz-PO-MO VN, 40 tca. @59.8m dispersed 33mm AB-Chl-PO-Qz VN, 40 tca. Below 260.6m muskovite/sericite. @64.28m is 22mm Qz-PO-MO VN, 55 tca. @65.55-66.05m is Qz-Chl-PO VN, 45 tca. @66.0m is 10mm Qz-PO-MO VN, 45 tca. Below 66.5m abundant Qz-PY-MO strs & narrow VNs. @68.63m is 14mm Qz-PO-MO VN, 40 tca. @69.32m is 12mm Qz-PY-MO VN, 40 tca with Qz-PY-MO strs around.

STRUCTURES

From	To	Struct	CA	Strain
46.10	69.19	BDG		S

~2 joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
46.10	69.19	-	VW	S	M	-	M	-	VW	VW	VW			W

moderate Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
46.10	69.19	6	2			1	40

Qz-PO-MO & AB-Chl VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
46.10	69.19	0.5	MG	PO	2	PY	0.5		

Qz strs & narrow VNs contain the MO

CH0603

Initials: ________

From	To	Litho
69.19	**93.57**	**HSLT**

Fine grained hornfelsed siltstone with primary sediments, significant Qz-PO-MO VNs, BIO altn, AB, quartzite, Chl & dolomite present, minor shist on joints. @72.89m is 15mm AB-Qz-PO-MO VN, 45 tca. @73.92m is 30mm Qz-PO-MO VN, 35 tca with narrow VNs radiating from the main VN. @ 74.65m narrow sanidine (?) VN, 10 tca. @75.45m boudined 24mm AB-Qz-PO-MO VN, 25 tca. @77.5m is 10cm dolomite zone, 75 tca. @78.73m milky Qz-PY-MO VN, 70 tca. @79.95-80.4m dolomite-Chl, foliation parallel to bedding. From 80.2m to 81.0m significant Qz-AB-PO-MO VN along the core (~1% MO). @81.5m dolomite-Chl foliation 11cm, 70 tca. @82.28m is 20mm Qz-Chl-PY-Cpy VN, 30 tca. Below 83.4m AB-PY-quartzite (no MO) with narrow Qz-PY-MO veinlets in different orient. @86.04m is Qz-AB-Chl-PY VN, 30 tca. @85.0-85.42m contorted AB-PY-Chl VNs was cut by narow Qz-PO +/- MO VNs. @87.7m is 17mm AB-Qz-PO VN, 50 tca. @90.26-91.4m significant 30mm Qz-PO-Cpy-MO VN, 20 tca. @91.8m is 35mm foliated AB-CL-Qz-PO VN, 30 tca. @92.26m is 30 mm CA-Qz-BO-PY-Cpy VN, 25 tca.

STRUCTURES

From	To	Struct	CA	Strain
69.19	93.57	BDG	45	S

3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
69.19	93.57	-	-	VW	M	-	M	-	VW	VW	VW		W	W

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
69.19	93.57	4	1		0.5	1	45

AB, Quartzite-Chl-PO & Qz-PO-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
69.19	93.57	0.3	DISS	PO	2	PY	0.3		

significant Qz-PO-MO VNs

From	To	Litho
69.19	93.57	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
93.57	109.32	HSLT

Fine grained hornfelsed siltstone, MO (~0.2%) in narrow contorted Qz-AB-PO-MO-MG VNs & tiny strs, weak BIO altn, Cpy associated with PO, quartzite-Chl-PO-MG VNs ~10-20mm thickness, 25 tca. @97.1m contorted 20mm AB-Qz-PO-MO-MG VN, 55 tca. @98.45m solid 50mm Qz-PO VN, 60 tca with tiny Qz-PY-MO strs. @99.7m is 22mm Qz-PO-MO VN, 60 tca. @101.8m is 36mm CA-Qz-PY-MO-BIO VN, 30 tca. @105.76-105.97m reddish monzonite with feldspar phenocrysts, ~2% MG & 10mm Qz VN, 60 tca. @106.85-10.8m contorted veinlets Chl-PO-AB-Qz +AB on boudined edges & Qz-MO narrow VNs. @107.13 is 25mm Qz-PY-MO VN, 60 tca. @108.61m is 26m Qz-MO VN, 75 tca.

STRUCTURES				
From	To	Struct	CA	Strain
93.57	109.32	BDG	45	S

2-3% joints per meter

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
93.57	109.32	-	-	M	W	-	M	-	VW	-	VW		VW	VW

AB & Chl altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
93.57	109.32	2	3		1	1	45

narrow Qz VNs +/- MO, Qz-MO tiny strs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
93.57	109.32	0.5	VLT	PO	2	CP	0.5		

very fine grained MO in tiny strs

From	To	Litho
109.32	126.50	HSLT

From dark brown to light brown, fine grained hornfelsed siltstone with two different types of veins in this area: a) milky Qz/AB with Chl-PO-BIO-Cpy +/-MO VNs & another type of vein: b) Qz-PO-MO VNs (~0.2% MO in this type of VNs). Moderate Cpy, dolomite zones ~3-6cm. Core containing 3-4% sulfide. @113.18m is 17mm Qz-PO-Cpy-MO, 35 tca. @114.53m is 30mm Qz-PO-MO VN, 50 tca. @115.33m two parallel 16mm Qz-PO-MO VNs, 50 tca. @116.31m is 16mm Qz-PO-MO VN, 20 tca. @116.93m is 16mm AB-PO-BIO, 30 tca. @117.05m is 14mm Qz-PO-MO VN, 50 tca; Chl on joints. @117.53-118.14m significant 20cm Qz-PO-MO-Cpy VN, 20 tca. Below 118.2m core mottled AB-Qz-PY-Chl-Cpy dendritic VNs & thin 2-5mm another VN crosscuts this zone. @119.05m are two 7-8mm Qz-PY-MO VNs, 60 & 75 tca. @119.25m is 20mm Qz-PY-MO VN, 40 tca. @120.27m is 20mm Qz-PY-Cpy-MO VN, 55 tca. @121.31-122.55m significant zone anastomosing Qz-PO-Cpy-Chl-MO VN, (~0.3 MO). @123.78m dispersed 30mm Qz-PY-Cpy-MO VN, 60 tca. @124.92m dispersed 40mm Qz-PY-Cpy-MO VN, 60 tca. @124.58-125.0m broken core, clay on fracture. @124.95m dispersed 22mm Qz-PO-Chl VN, 40 tca with MO traces.

STRUCTURES

From	To	Struct	CA	Strain
109.32	126.50	BDG	40	M

weak CA on fracture, PO & Cpy on fracture

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
109.32	126.50	-	-	M	W	-	W	-	VW	VW	W		VW	

AB & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
109.32	126.50	5	3			3	40

contorted AB-Chl-PO-Cpy +/-MG VNs & Qz-PO-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
109.32	126.50	0.5	MG	PO	3	CP	2		

moderate PO, Cpy

From	To	Litho
126.50	138.88	HSLT

Brown to dark brown hornfelsed siltstone with Qz-AB-Chl-PY-PO-Chy VNs & also Qz-PO-MO VNs & strs. @139.46-139.71m Qz-AB-Chl-PY-PO-Chy VNs zone, hornfelsed bleached. @130.56m solid 50mm Qz-PO-MO VN, 50 tca. @131.31-131.67m significant boudined Qz-PO-Cpy-MO VN, 15 tca with narrow Qz-PO-MO VNs radiating from the main VN. @133.37m is 17mm Qz-PY-MO VN, 60 tca. @134.15m is 11mm Qz-CA-PY-MO VN, 40 tca. @136.93-137.15m fusion zone with Qz-PY-Cpy-Chl (up to 4% PY). @137.3-137.66 is Qz-BIO-PY strs, 15 tca. @138.1m is Qz-BIO-Chl-PY-Cpy, 90 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

 Initials: ________

From	To	Litho
126.50	138.88	HSLT

Brown to dark brown hornfelsed siltstone with Qz-AB-Chl-PY-PO-Chy VNs & also Qz-PO-MO VNs & strs. @139.46-139.71m Qz-AB-Chl-PY-PO-Chy VNs zone, hornfelsed bleached. @130.56m solid 50mm Qz-PO-MO VN, 50 tca. @131.31-131.67m significant boudined Qz-PO-Cpy-MO VN, 15 tca with narrow Qz-PO-MO VNs radiating from the main VN. @133.37m is 17mm Qz-PY-MO VN, 60 tca. @134.15m is 11mm Qz-CA-PY-MO VN, 40 tca. @136.93-137.15m fusion zone with Qz-PY-Cpy-Chl (up to 4% PY). @137.3-137.66 is Qz-BIO-PY strs, 15 tca. @138.1m is Qz-BIO-Chl-PY-Cpy, 90 tca.

STRUCTURES

From	To	Struct	CA	Strain
126.50	138.88	BDG	40	M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
126.50	138.88	-	VW	-	W	-	M	-	VW	VW	-		W	

Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
126.50	138.88	4	3		0.2	1	40

significant Qz-PO-MO present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
126.50	138.88	0.5	DISS	PO	3	CC	1		

Qz-PO strs containing MO

From	To	Litho
138.88	145.80	HSLT

Fault zone, fragments of Qz-PO-MO VN, Chl & CA altn, partly rock is soft. @140.1-140.98m significant boudined Qz-PO-MO VN along the core (~3-4% PO, 0.5% MO in this interval) with 16cm lense from VN.

STRUCTURES

From	To	Struct	CA	Strain
138.88	145.80	FLT		W

>60% are pieces <10cm

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
138.88	145.80	-	-	VW	W	-	W	-	VW	VW	VW		W	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
138.88	145.80	10	10		2	1	

significant Qz-PO-MO VN

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
138.88	145.80	0.5	DISS	PO	2	MO	0.2		

MO present (~0.5%) in Qz-PO VN

Initials: ________

From	To	Litho
138.88	145.80	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
145.80	156.40	HSLT

Brown to dark brown hornfelsed siltstone with narrow sandstone zone, 20% broken core, CA on fracture. @149.95 is 11mm Qz-BIO-PO VN, 40 tca. @150.95m is 20mm Qz-Chl-PY MO VN, 40 tca. From 151.49m to 152.57m (fusion) highly contorted & irregularly mixed narrow Qz-PY-MO VNs, silicification, minor Chl, BIO, CA, Cpy & AB. @152.57-156.4m broken core (35% are pieces <10cm, muscovite/sericite present, CA on fracture, Qz-PO +/- MO present. @154.05m is 16mm Qz-PY-Chl-CA VN, 15 tca. @154.86m is18mm Qz-CA-PO-PY VN, 15 tca with Qz-PO-MO strs. @156.15m is 18mm Qz-PO-MO VN, 60 tca.

STRUCTURES				
From	To	Struct	CA	Strain
145.80	156.40	SHR	40	W

20% broken core

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
145.80	156.40	-	-	W	W	-	W	-	VW	VW	W		VW	W

BIO, Chl & CA altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
145.80	156.40	4	6		1	3	

narrow Qz-PO-MO VNs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
145.80	156.40	0.3	DISS	PO	3		0.2		

MO (~0.5%) in Qz-PO VN

From	To	Litho
156.40	167.43	HSLT

Fault zone, fragments of Qz-PO-MO VNs, Chl, AB & BIO altn, partly rock is soft, CA on fracture, AB & CA strs, gouge (partly washed out from core), very weak mineralization: just a few narrow Qz-PO-PY-MO VNs.

STRUCTURES

From	To	Struct	CA	Strain
156.40	167.43	FLT		VW

>60% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
156.40	167.43	-	-	VW	-	W	VW	-	M	-	M		VW	

CA & BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
156.40	167.43	4	6		1	2	55

casual narrow Qz-PO-MO VN

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
156.40	167.43	0.2	DISS	PO	1	MO	0.01		

very weak PY & MO

From	To	Litho
167.43	184.10	HSLT

Brown to dark brown hornfelsed siltstone with a few narrow shear zones, muscovite/sericite present, moderate BIO & Chl altn; PO, PY & Cpy present; abundant Qz-PO-MO strs. @170.1m is 55mm brecciated shear zone, CA altn. @171.15-171.50m Qz-CA-PY-PO-BIO, 40 tca with Qz-PO-MO narrow VNs around this zone. @171.92m 0is 30mm Qz-PO-MO VN, 15 tca with 7mm subparallel Qz-PO-MO VN. @172.1m boudined 8mm Qz-MO VN, 50 tca wth bunch of subparallel strs. @174.5m is 2cm shear zone (~15 CA). @176.93m boudined 14mm Qz-PY-MO VN, 35 tca. @179.05m Qz-PO-MO VN, 30 tca. Below 179.22 some narrow CA-Chl-BIO-sulfide zones. @180.16m is 20mm Qz-PO-MO VN, 20 tca. @180.95-181.16m broken core. @182.32m boudined 18mm Qz-PO-MO VN, 16mm & tiny Qz-MO strs.

STRUCTURES

From	To	Struct	CA	Strain
167.43	184.10	BDG		M

a few 2-3 cm shear zones

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
167.43	184.10	-	-	W	VW	W	W	-	M	-	M		W	W

CA, BIO & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
167.43	184.10	2	4		1	1	30

narrow Qz-PO-MO VNs ~0.5 VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
167.43	184.10	0.5	VLT	PO	1	MO	0.05		

Cpy occurrence

Initials: ________

From	To	Litho
167.43	184.10	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
184.10	197.55	SDST

Brown & dark brown hornfelsed siltstone with moderate BIO altn, gradual transition to altered sandstone bands, weak Chl altn, muscovite/sericite present. Below 186.24m small 5-10mm Qz-PO-MO VNs. @188.3-188.45m shattered core. @188.78m is 22mm CA-BIO-PY VN, 30 tca (~15% coarse grained PY). @196.4m is 16mm Qz-PO-MO VN, 20 tca.

STRUCTURES				
From	To	Struct	CA	Strain
184.10	197.55	BDG	40	M

7% joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
184.10	197.55	-	-	W	W	VW	W	-	W	-	M		W	M

moderate BIO altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
184.10	197.55	1	2		1	0.5	50

moderate Qz-sulfide-MO strs & casual Qz-sulfide VNs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
184.10	197.55	0.5	VLT	MO	1.5	MO	0.1		

moderate Qz-sulfide -MO strs

From	To	Litho
184.10	197.55	SDST

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
197.55	198.52	SDST

Fault zone, broken core (fragments <10cm), CA on fracture

STRUCTURES

From	To	Struct	CA	Strain
197.55	198.52	FLT		VW

broken core, all pieces <10cm

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
197.55	198.52	-	VW	VW	W	VW	-	M	W	-	M			

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
197.55	198.52	0.2	0.2		2		

AB & Qz strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
197.55	198.52	0.2	DISS						

fine grained DI PY

From	To	Litho
198.52	215.20	SDST

Brown to dark brown sandstone with moderate BIO altn with Qz-sulfide-MO VNs & Ca-Chl-Qz-BIO-sulfide VNs, some core is broken (fragments), abundant tiny Qz-MO-sulfide strs. Below 200.0m sandstone with narrow 5-20mm Qz-PO-MO stockwork & another type of vein: usually more contorted AB-CA-Chl-Qz-PO-PY-BIO +/-EPI, +/- MG VNs. @200.25m is 18mm Qz-PO-MO VN, 75 tca. @201.05m significant 4mm MO-CA VN, 15 tca. @202.9m is 10mm Qz-PO-MO VN, 55 tca. @ 203.06m quartzite-Chl 20mm to bedding direction , 40 tca with Qz-PO-MO strs on edges. @203.8-204.0m narrow contorted 5-7mm Qz-PO-MO VNs. @205.45m boudined 28mm Qz-PO-MO VN, 50 tca. @208.7m milky 12mm Qz-PO-MO VN, 20 tca. @213.43m is 13mm Qz-PO VN, 50 tca. @214.22m is 11mm Qz-PO-MO-EPI VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
198.52	215.20	BDG	50	M

BIO altn

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
198.52	215.20	-	-	W	VW	-	W	-	W	-	M	VW	VW	

moderate pyrrhotite

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
198.52	215.20	3	5		2	1	50

narrow Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
198.52	215.20	0.5	DISS	PO	2	MO	0.1		

abundant tiny Qz-MO-sulfide strs

From	To	Litho
198.52	215.20	SDST

Brown to dark brown sandstone with moderate BIO altn with Qz-sulfide-MO VNs & Ca-Chl-Qz-BIO-sulfide VNs, some core is broken (fragments), abundant tiny Qz-MO-sulfide strs. Below 200.0m sandstone with narrow 5-20mm Qz-PO-MO stockwork & another type of vein: usually more contorted AB-CA-Chl-Qz-PO-PY-BIO +/-EPI, +/- MG VNs. @200.25m is 18mm Qz-PO-MO VN, 75 tca. @201.05m significant 4mm MO-CA VN, 15 tca. @202.9m is 10mm Qz-PO-MO VN, 55 tca. @ 203.06m quartzite-Chl 20mm to bedding direction , 40 tca with Qz-PO-MO strs on edges. @203.8-204.0m narrow contorted 5-7mm Qz-PO-MO VNs. @205.45m boudined 28mm Qz-PO-MO VN, 50 tca. @208.7m milky 12mm Qz-PO-MO VN, 20 tca. @213.43m is 13mm Qz-PO VN, 50 tca. @214.22m is 11mm Qz-PO-MO-EPI VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
215.20	218.70	HSLT

Fault zone: fragments; Chl, CA & BIO altn, partly rock is soft, gouge (partly washed out from core), ~50% broken core, CA on fracture, CA strs,very weak mineralization: just a few narrow Qz-PO-PY-MO VNs. @217.65-218.33m dolomite-CA zone, rock is soft.

STRUCTURES

From	To	Struct	CA	Strain
215.20	218.70	FLT		W

50% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
215.20	218.70	-	-	W	VW	W	-	-	M	-	M		VW	

CA, BIO & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
215.20	218.70	0.5	1		2		

AB & Qz strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
215.20	218.70	0.2	DISS	PO	0.4	MO	0.01		

very weak PY & MO

From	To	Litho
215.20	218.70	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
218.70	237.28	HSLT

Brown to dark brown siltstone, very fine grained with moderate BIO & Chl altn, narrow Qz-sulfide-MO VNs & contorted Chl-Qz-BIO-sulfide VNs and Qz-PO/PY-MO strs across the core. @221.26m solid 34mm Qz-PO-MO VN, 55 tca with Qz-PO-MO strs in the wallrock in different orient. @ 221.53m solid 44mm Qz-PO-MO VN, 65tca. @220.9-221.23m zone with contorted Qz-CA-AB-sulfade-Chl VNs, diff. orient. @222.14m is 12mm Qz-PO-MO VN, 40 tca. @222.55m is 22mm Chl-Qz-AB-PO VN, 40 tca. @224.06-224.33m zone with narrow subparallel Qz-PO-Chl-AB & Qz-PO-MO VNs, 50 tca. @224.73m is 24mm Qz-PO-MO VN, 35 tca . @228.24m narrow 2-3cm shear zone. @229.82m is 16mm Qz-PO-MO VN, 65 tca. 2230.52m is 18mm Qz-MO VN, 30 tca. @231.62m solid 54mm AB-Qz-PO-Chl VN, 60 tca. @233.24-233.78m contorted 15mm Qz-PY-MO VN, 5 tca. @234.84m is 7mm Qz-PO-MO VN, 20 tca. @235.2m is 45mm AB-PY-Qz-MO VN, 35 tca. @235.47m is 13m Qz-PY-MO VN, 20 tca. @236.08-236.26m contorted Qz-PY-Cpy-MO VN, 15 tca, minor offset by 16mm Qz-PO-MO VN, 80 tca. @236.6-237.28m significant 14mm Qz-PO-MO VN, 10 tca.

STRUCTURES				
From	To	Struct	CA	Strain
218.70	237.28	BDG	35	M
minor shear zones				

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
218.70	237.28	-	-	W	W	VW	M	-	W	-	M		VW	VW
moderate BIO & Chl altn														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
218.70	237.20	1	7		2	1	40
Qz-PO-MO VNs & Qz-AB-PO-Chl VNs							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
218.70	237.28	0.3	VLT	PO	2	MO	0.2		
EPI very casual									

Initials: ________

From	To	Litho
218.70	237.28	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION													
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
237.28	245.90	HSLT

Brown to dark brown siltstone, very fine grained with moderate BIO & Chl altn, narrow Qz-sulfide-MO VNs & contorted Chl-Qz-BIO-sulfide +/-MG VNs, significant Qz breccia zones with trace of MO (~0.3%) & PO strs, strong silicification, weak MG present in Qz-PY VNs. @237.1-238.12m sandstone (medium grained) with Chl altn & 9mm Qz-PY-MO VN, 60 tca & strs across the core. @238.12-239.88m cataclastic metamorphic rock & Qz breccia zones with trace of MO & contorted PO strs. @240.83m contorted 23mm Qz-PO-MO VN, 50 tca. @241.5m boudined 12mm Qz-PO-PY VN, 20 tca with MO strs radiating from this VN. Below 242.85m sandstone (medium grained) mottled by Qz-MO (~0.3% MO) & PY strs. @243.96-244.68m significant 120mm Qz-PO-PY-MO VN, 35 tca (~1%MO in this VN). @245.06m branched 18mm Qz-PO-MO VN, 30 tca.

STRUCTURES				
From	To	Struct	CA	Strain
237.28	245.90	BDG	50	S

breccia zones present

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
237.28	245.90	-	-	W	W	VW	W	-	W	-	W	W	VW	

BIO altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
237.28	245.90	6	12		0.5	3	30

significant Qz-PY-MO VNs present

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
237.28	245.90	0.3	VLT	PO	1.5	MO	0.5		

significant MO zone

From	To	Litho
245.90	275.25	SDST

Brown siltstone with brown & greenish sandstone, narrow <6mm Qz-PY-MO VNs & strs, MG present in Qz-PY-MG VNs. @249.0-250.78m breccia zone (cataclastic metamorphic rock), bedding is apparent in the matrix, texture with large grains/rounded with PO strs, fine grained DI PY & traces of MO. @251.21m dispersed 20mm Qz-PY-MG-MO VN, 70 tca. @252.48m is 16mm Qz-PY-MO VN, 50 tca. @256.1m is 28mm Qz-AB-PO-MG-MO VN, 50 tca. @257.97m is 21mm. @261.98m is 22mm Qz-Chl-CA-MG-MO VN, 55tca. @268.6m is13mm Qz-PY-Cpy-MO VN, 55 tca. @269.24m dispersed 40mm AB-Qz-Chl-PO-MG VN, 75 tca. @269.36m solid 21mm Qz-PO-MO VN, 55 tca with 7-5mm Qz-PO-MO VNs below. @270.0m contorted 18mm Qz-PO-MO VN, 90 tca. @271.03m are two parallel 26mm & 10mm Qz-PO-Chl-MG-MO VNs, 40 tca. @272.82m solid 50mm Qz-PO-MO VN, 25 tca with Chl on selvage. @273.42m contorted 30mm Qz-Chl-PO-MG-MO VN, 45 tca. Contact to breccia zone @275.25m is 30 tca.

STRUCTURES

From	To	Struct	CA	Strain
245.90	275.25	BDG	50	S

significant breccia zone present at 249.0m

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
245.90	275.15	-	-	M	W	-	M	-	W	-	W		VW	

moderate PO

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
245.90	275.25	2	5		0.5	1	50

Two types of VNs are present: Qz-PO-MO & Qz-Chl-MO-MG VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
245.90	275.25	0.3	VLT	PO	2	MO	0.05		

MG prezent

From	To	Litho
245.90	275.25	SDST

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
275.25	280.88	HSLT

Breccia zone (cataclastic metamorphic rock) cellular texture with the large grains (rounded) associated with strong deformation conditions, distinctive veining, PO strs & fine grained DI PY, MO traces, strong silicification. @280.74m solid 90mm Qz-Chl-PO-MO VN, 35 tca. Contact @280.88m is 35 tca.

STRUCTURES				
From	To	Struct	CA	Strain
275.25	280.88	BX	45	VS

rock is hard

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
275.25	280.88	-	-	-	S	-	W	-	-	-		W	VW	

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
275.25	280.88	1	50	5		1	35

one solid Qz-PO-Chl-MO VN

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
275.25	280.88	0.2	DISS	PO	1	MO	0.1		

MO traces & strs

CH0603

From	To	Litho
280.88	303.89	HSLT

Brown siltstone with partly brown & greenish sandstone (medium grained), narrow <5mm Chl-PO/PY +/- MG strs, weak MG present in Qz-PY-MG strs, moderate Chl. Casual narrow Qz-PO-MO VNs. @292.6m is Qz-Chl-PO-MO VN, 20 tca. @294.24-294.46m dolomite-CA zone , 70 tca. @296.14m contorted 30mm Qz-Chl-PO-MO VN, 15 tca. @297.79-297.17m contorted 5mm Qz-PO-MO VN, no orient. @302.32m is 44mm AB-Qz-Chl-PY-MG VN, 30 tca.

STRUCTURES

From	To	Struct	CA	Strain
280.88	303.89	BDG	45	S

2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
280.88	280.88	-	-	S	S	-	-	-	-	-	W	W	VW	

Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
280.88	303.89	0.2	3	4	0.5	0.3	20

casual Qz-PO-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
280.88	303.89	0.2	VLT	PO	1	MO	0.01		

MG presnt in PO-Chl strs

From	To	Litho
303.89	328.80	HSLT

Brown to dark brown siltstone, narrow <5mm Chl-PO/PY +/- MG strs, BIO altn. @306.84-311.25m breccia zone (cataclastic metamorphic rock) with coarse grained Qz associated with turbulent conditions. @311.25m contact (25 tca) to very fine grained dark brown siltstone. Narrow up to 5-7mm Qz-PY-MO VNs & Qz-Chl-MG VNs. Below 314.52m dark, very fine grained siltstone. @317.91m is 16mm Qz-PY-MO VN, 10 tca. From 318.9m to 320.64m broken core, CA on fracture. Below 314.52m dark siltstone, very fine grained with moderate Chl & weak CA altn, Qz-PY-MO strs & narrow Qz-Chl-PO VNs. @325.42m 22mm solid Qz-PY-MO VN 75 tca. @325.73m is 14mm Qz-PY-MO VN, 60 tca.

STRUCTURES

From	To	Struct	CA	Strain
303.89	328.80	BDG	50	M

318.9 to 320.64 broken core, CA on fracture

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
303.89	328.80	-	-	M	M	-	VW	-	W	-	M			

moderate BIO

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
303.89	328.80	1	3		1	0.2	

just a few VNs in this interval

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
303.89	328.80	0.2	VLT	PO	1	MO	0.01		

very minor MO

Initials: ________

From	To	Litho
328.80	340.40	HSLT

From dark to light brown siltstone (partly greenish sandstone), abundant irregular veining. Highly contorted & irregularly mixed Qz-PY-MO VNs, silicification, MG strs present, CA altn. Partly brittle core. Narrow MO strs. Breccia zone: from 340.4 to 343.5m cellular texture with large grains (rounded) Qz. @328.92m is 40mm Qz-PY-PO-MO-Chl VN, 25 tca. @329.2m is 24mm Qz-PY-CA-MO VN, 25 tca. @329.4m distorted 30mm Qz-PO-Chl-MO VN, 25 tca. Below 330.0m stockwork 7-14mm Qz-PO-PY-Chl-MO VNs, 60-80 tca. @331.63m is 14mm Qz-PY-MO VN, 25 tca. @332.04m distorted 30mm Qz-PY-MO VN, 55 tca. @332.64-333.09m significant Qz-PO-PY-MO VN. 80 tca. Below 333.9m core mottled by contorted milky Qz-MO VNz in different. orient. @336.06-336.26m broken core (fragments). @337.0-337.74m broken core (fragments). @338.28m is 30cm Qz-Chl-CA-MO VN, 40 tca. @330.7m contorted 18mm Qz-PY-Chl-MO VN, 75 tca. @330.72-330.84m distorted Qz-Chl-PO-MG-MO VN, no orient, MG strs present. @338.86-339.38m dispersed Qz-PY-MO VN, 15 tca with minor offset by two 4-5mm Qz-PY-PO strs 45 & 60 tca.@339.95-340.3m distorted 38mm Qz-PO-PY-MO VN, 15 tca.

STRUCTURES

From	To	Struct	CA	Strain
328.80	340.40	BDG	50	M

5-7% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
328.80	340.40	-	-	-	M	-	M	-	W	-		VW	VW	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
328.80	340.40	15	20		2	4	35

abundant Qz veinlets

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
328.80	340.40	0.5	DISS	PO	2	MO	0.3		

MG strs present

From	To	Litho
340.40	344.70	HSLT

Breccia zone (cataclastic metamorphic rock) cellular texture with large grains (rounded) Qz, contorted & irregularly mixed narrow veins, distinctive veining associated with deformation conditions, dendritic Qz VNs, PO-MO strs & fine grained DI PY, MO traces, strong silicification. @341.30m is 14mm Qz-PO-MO VN, 90 tca. @343.0m solid 20m Qz-PO-MO VN, 20 tca.

STRUCTURES

From	To	Struct	CA	Strain
340.40	344.40	BX	55	S

rock is hard

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

Initials: ________

From	To	Litho
340.40	344.70	HSLT

Breccia zone (cataclastic metamorphic rock) cellular texture with large grains (rounded) Qz, contorted & irregularly mixed narrow veins, distinctive veining associated with deformation conditions, dendritic Qz VNs, PO-MO strs & fine grained DI PY, MO traces, strong silicification. @341.30m is 14mm Qz-PO-MO VN, 90 tca. @343.0m solid 20m Qz-PO-MO VN, 20 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
340.40	344.70	-	-	W	S	-	M	-	W	-		M	W	

strong silicification

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
340.40	344.70	3	50	15	0.1	3	45

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
340.40	344.70	0.5	DISS	PO	1	MO	0.3		

MG 0.5%

From	To	Litho
344.70	354.50	HSLT

From light brown to dark brown, very fine grained siltstone (partly sandstone), silicification, Qz-PO-Chl-MO VNs/strs (~0.15% MO) and distorted Qz-PY-Chl-MG VNs. @346.66m is 16mm Qz-PO-Chl-MG VN, 40 tca. @347.3m is 18mm Qz-PO-Chl-MO VN, 25 tca. @348.22m contorted Qz-PO-MO VN, 75 tca. @349.46m is 12mm Qz-PO-MO VN, 60 tca. @349.5-349.73m contorted 24mm Qz-PO-Chl-MO VN, 20 tca.

STRUCTURES

From	To	Struct	CA	Strain
344.70	354.50	BDG	50	S

3-4 joints/m

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
344.70	354.50	-	-	W	S	VW	-	W	W	-			VW	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
344.70	354.50	4	8			4	60

3-4 narrow VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
344.70	354.50	0.2	VLT	PO	2	MO	0.15		

MG present

From	To	Litho
344.70	354.50	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
354.50	364.85	HSLT

Dark brown siltstone/partly sandstone, strong silicification, Qz-PO-MO strs & distorted Qz-PY-Chl-MG VNs. @362.24m is 56mm dolomite-PY, 65 tca with MO on halo. @363.56m contorted 20mm Qz-Chl-PO-MG VN, 20 tca. @364.85m E.O.H.

STRUCTURES

From	To	Struct	CA	Strain
354.50	364.85	BDG	50	S

1-2 joints/m

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
354.50	364.85	-	-	M	S	VW	-	W	W	-	M		VW	

Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
354.50	364.85	2	6			2	30

contorted Qz-Chl-PO-MG VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
354.50	364.85	0.2	VLT	PO	2	MO	0.02		

MG present in contorted Qz-Chl-PO-MG VN

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0602

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44434	4.68	8.23	AND	CORE	0.02	0.001
44435	8.23	11.28	AND	CORE	0.02	0.013
44436	11.28	14.33	AND	CORE	0.02	0.002
44437	14.33	17.37	AND	CORE	0.05	0.005
44438	17.37	20.42	AND	CORE	0.03	0.007
44439	20.42	23.47	AND	CORE	0.01	0.003
44440				DUPLICATE	0.01	0.005
44441	23.47	26.52	AND	CORE	0.02	0.007
44442	26.52	29.57	AND	CORE	0.03	0.005
44443	29.57	32.61	AND	CORE	0.03	0.007
44444	32.61	35.66	AND	CORE	0.03	0.004
44445				BLANK	0	0
44446	35.66	38.71	AND	CORE	0.04	0.002
44447	38.71	41.76	AND	CORE	0.02	0.001
44448	41.76	44.81	AND	CORE	0.04	0.002
44449	44.81	47.85	AND	CORE	0.04	0.002
44450				**MoS-1**	0.01	**0.064**
44451	47.85	50.9	AND	CORE	0.04	0.002
44452	50.9	53.95	AND	CORE	0.01	0.003
44453	53.95	57	AND	CORE	0.02	0.003
44454	57	60.05	AND	CORE	0.04	0.004
44455	60.05	63.09	AND	CORE	0.03	0.001
44456	63.09	66.14	AND	CORE	0.03	0.001
44457	66.14	69.19	AND	CORE	0.02	0.009
44458	69.19	72.24	AND	CORE	0.02	0.006
44459	72.24	75.29	AND/BDY	CORE	0.03	0.008
44460				DUPLICATE	0.04	0.028
44461	75.29	78.33	QFP/AND	CORE	0.02	0.002
44462	78.33	81.38	BDYMZON	CORE	0.03	0.012
44463	81.38	84.43	MZON	CORE	0.03	0.039
44464	84.43	87.48	MZON	CORE	0.03	0.008
44465				BLANK	0	0
44466	87.48	90.53	MZON	CORE	0.03	0.023
44467	90.53	93.57	MZON/HSLT	CORE	0.03	0.019
44468	93.57	96.62	HSLT	CORE	0.01	0.043
44469	96.62	99.67	HSLT	CORE	0.01	0.006
44470				**MoS-1**	0.01	**0.063**
44471	99.67	102.72	HSLT	CORE	0.03	0.021
44472	102.72	105.77	HSLT	CORE	0.03	0.01
44473	105.77	108.81	HSLT	CORE	0.03	0.007
44474	108.81	111.86	HSLT	CORE	0.02	0.003
44475	111.86	114.91	HSLT	CORE	0.02	0.003
44476	114.91	117.96	HSLT	CORE	0.02	0.011
44477	117.96	121.01	HSLT/BDY	CORE	0.02	0.003
44478	121.01	124.05	HSLT	CORE	0.02	0.015
44479	124.05	127.1	HSLT	CORE	0.02	0.031
44480				DUPLICATE	0.02	0.013
44481	127.1	130.15	HSLT	CORE	0.03	0.019
44482	130.15	133.2	HSLT	CORE	0.03	0.02
44483	133.2	136.25	HSLT	CORE	0.03	0.025

SAMPLE REPORT

HOLE ID: CH0602

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44484	136.25	139.29	HSLT	CORE	0.06	0.009
44485				BLANK	0	0
44486	139.29	142.34	HSLT	CORE	0.02	0.014
44487	142.34	145.39	HSLT	CORE	0.03	0.029
44488	145.39	148.44	HSLT	CORE	0.02	0.024
44489	148.44	151.49	HSLT	CORE	0.02	0.015
44490				**MoS-1**	0.01	**0.061**
44491	151.49	154.53	HSLT	CORE	0.02	0.013
44492	154.53	157.58	HSLT	CORE	0.02	0.022
44493	157.58	160.63	HSLT	CORE	0.03	**0.055**
44494	160.63	163.68	HSLT	CORE	0.03	0.01
44495	163.68	166.73	HSLT	CORE	0.03	0.011
44496	166.73	169.77	HSLT	CORE	0.02	0.026
44497	169.77	172.82	HSLT	CORE	0.03	0.015
44498	172.82	175.87	HSLT	CORE	0.02	0.04
44499	175.87	178.92	HSLT	CORE	0.02	0.049
44500				DUPLICATE	0.03	0.042
44501	178.92	181.97	HSLT	CORE	0.04	**0.142**
44502	181.97	185.01	HSLT	CORE	0.03	**0.054**
44503	185.01	188.06	HSLT	CORE	0.03	0.027
44504	188.06	191.11	HSLT	CORE	0.03	0.022
44505				BLANK	0	0
44506	191.11	194.16	HSLT	CORE	0.04	0.035
44507	194.16	197.21	HSLT	CORE	0.04	**0.098**
44508	197.21	200.25	HSLT	CORE	0.06	**0.111**
44509	200.25	203.3	SLST	CORE	0.06	**0.121**
44510				**MoS-1**	0.01	**0.063**
44511	203.3	206.35	HSLT	CORE	0.02	0.039
44512	206.35	209.4	HSLT	CORE	0.05	**0.067**
44513	209.4	212.45	HSLT	CORE	0.04	**0.091**
44514	212.45	215.49	HSLT	CORE	0.02	0.048
44515	215.49	218.54	HSLT	CORE	0.02	0.034
44516	218.54	221.59	HSLT	CORE	0.02	0.045
44517	221.59	224.64	HSLT	CORE	0.03	**0.064**
44518	224.64	227.69	HSLT	CORE	0.03	0.043
44519	227.69	230.73	HSLT	CORE	0.02	**0.056**
44520				DUPLICATE	0.04	**0.071**
44521	230.73	233.78	HSLT	CORE	0.02	**0.086**
44522	233.78	236.83	HSLT	CORE	0.04	0.04
44523	236.83	239.88	HSLT	CORE	0.02	0.03
44524	239.88	242.93	HSLT	CORE	0.04	0.046
44525				BLANK	0	0
44526	242.93	245.97	HSLT	CORE	0.02	0.029
44527	245.97	249.02	HSLT	CORE	0.02	0.035
44528	249.02	252.07	HSLT	CORE	0.03	0.013
44529	252.07	255.12	HSLT/GDIO	CORE	0.02	0.01
44530				**MoS-1**	0.01	**0.062**
44531	255.12	258.17	GDIO	CORE	0.02	0.01
44532	258.17	261.21	GDIO	CORE	0.02	0.011
44533	261.21	264.26	GDIO/HSLT	CORE	0.03	0.007
44534	264.26	267.31	HSLT	CORE	0.04	0.03
44535	267.31	270.36	HSLT	CORE	0.1	0.013

SAMPLE REPORT

HOLE ID: CH0602

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44536	270.36	273.41	HSLT	CORE	0.05	0.014
44537	273.41	276.45	HSLT	CORE	0.02	0.019
44538	276.45	279.5	HSLT	CORE	0.02	0.021
44539	279.5	282.55	HSLT	CORE	0.02	0.007
44540				DUPLICATE	0.03	0.025
44541	282.55	285.6	HSLT	CORE	0.02	0.016
44542	285.6	288.65	HSLT	CORE	0.01	0.009
44543	288.65	291.69	HSLT	CORE	0.04	0.017
44544	291.69	294.74	HSLT	CORE	0.02	0.044
44545				BLANK	0	0
44546	294.74	297.79	HSLT	CORE	0.03	0.025
44547	297.79	300.84	HSLT	CORE	0.02	0.03
44548	300.84	303.89	HSLT	CORE	0.03	0.036
44549	303.89	306.93	HSLT	CORE	0.04	0.016
44550				**MoS-1**	0.01	**0.063**
44551	306.93	309.98	HSLT	CORE	0.07	0.025
44552	309.98	313.03	HSLT	CORE	0.07	0.034
44553	313.03	316.08	HSLT	CORE	0.03	0.03
44554	316.08	319.13	HSLT/GDIO	CORE	0.03	0.005
44555	319.13	322.17	GDIO	CORE	0.01	0
44556	322.17	325.22	HSLT	CORE	0.04	0.009
44557	325.22	328.27	HSLT	CORE	0.04	0.034
44558	328.27	331.32	HSLT	CORE	0.04	0.027
44559	331.32	334.37	GDIO	CORE	0.03	0.01
44560				DUPLICATE	0.03	0.008
44561	334.37	337.41	GDIO/HSLT	CORE	0.02	0.004
44562	337.41	340.46	GDIO	CORE	0.02	0.009
44563	340.46	343.51	HSLT	CORE	0.03	0.021
44564	343.51	346.56	HSLT	CORE	0.04	0.028
44565				BLANK	0	0
44566	346.56	349.61	HSLT	CORE	0.03	0.026
44567	349.61	352.65	HSLT/GDIO	CORE	0.02	0.006
44568	352.65	355.7	GDIO	CORE	0.01	0.003
44569	355.7	358.75	GDIO/HSLT	CORE	0.03	0.014
44570				**MoS-1**	0.01	**0.064**
44571	358.75	361.8	HSLT	CORE	0.03	0.025
44572	361.8	364.85	HSLT	CORE	0.03	0.017
44573	364.85	367.89	HSLT	CORE	0.02	0.02
44574	367.89	370.94	HSLT	CORE	0.04	0.031
44575	370.94	373.99	HSLT	CORE	0.1	0.05
44576	373.99	377.04	HSLT	CORE	0.11	**0.08**
44577	377.04	380.09	HSLT	CORE	0.09	0.028
44578	380.09	383.13	HSLT	CORE	0.02	0.048
44579	383.13	386.18	HSLT	CORE	0.06	0.047
44580				DUPLICATE	0.05	0.044
44581	386.18	389.23	HSLT	CORE	0.04	0.032
44582	389.23	392.28	HSLT	CORE	0.02	0.037
44583	392.28	395.33	HSLT	CORE	0.03	0.021
44584	395.33	398.37	HSLT	CORE	0.05	0.04
44585				BLANK	0	0
44586	398.37	401.42	HSLT	CORE	0.03	0.039
44587	401.42	404.47	HSLT	CORE	0.02	**0.067**

SAMPLE REPORT

HOLE ID: CH0602

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44588	404.47	407.52	HSLT	CORE	0.05	0.044
44589	407.52	410.57	HSLT	CORE	0.03	0.029
44590				**MoS-1**	0.01	**0.062**
44591	410.57	413.61	HSLT	CORE	0.04	0.02
44592	413.61	416.66	HSLT	CORE	0.04	**0.053**
44593	416.66	419.71	HSLT	CORE	0.03	0.033
44594	419.71	422.76	HSLT	CORE	0.04	**0.097**
44595	422.76	425.81	HSLT	CORE	0.07	**0.13**
44596	425.81	428.85	HSLT	CORE	0.06	0.02
44597	428.85	431.9	HSLT	CORE	0.04	**0.052**
44598	431.9	434.95	HSLT	CORE	0.02	0.037
44599	434.95	438	HSLT	CORE	0.04	**0.111**
44600				DUPLICATE	0.03	**0.161**
44601	438	441.05	HSLT	CORE	0.16	**0.078**
44602	441.05	444.09	HSLT	CORE	0.11	**0.077**
44603	444.09	447.14	HSLT	CORE	0.13	**0.058**
44604	447.14	450.19	HSLT	CORE	0.13	**0.098**
44605				BLANK	0	0
44606	450.19	453.24	HSLT	CORE	0.06	**0.056**
44607	453.24	456.29	HSLT	CORE	0.04	0.021
44608	456.29	459.33	HSLT/GDIO	CORE	0.02	**0.08**
44609	459.33	462.38	GDIO	CORE	0.04	0.011
44610				**MoS-1**	0.01	**0.07**
44611	462.38	465.43	GDIO	CORE	0.04	0.011
44612	465.43	468.48	GDIO	CORE	0.03	0.032

CHU Project - TTM Resources Inc.

DRILL HOLE LOG

Signature: ______________________

CH0602

Initials: ________

From: 0.00 **To:** 3.05 **Litho:** OB

Casing/Overburden

STRUCTURES				
From	To	Struct	CA	Strain
0.00	3.05			W

Casing/Overburden

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
0.00	3.05	-	-	-	-	-	-	-	-	-				

Casing/Overburden

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
0.00	3.05	0.01					

Casing/Overburden

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
0.00	3.05	0	-				

Casing/Overburden

From: 4.68 **To:** 38.72 **Litho:** AND

Andesite porphyry, core is broken ~5-7% , surface weathering on joints, occasional Qz VNs, feldspar phenocrysts, fine grained DI PY, trace Cpy, silica or/and albite, MO mineralization at 10.7m. @8.23m is 24mm Qz VN, 60 tca. @8.9 is 23mm Qz VN, 65 tca. @10.5 is 26mm Qz VN, 80 tca. @10.67m is 7mm Qz-PY-MO VN, 25 tca. @12.35-13.25m broken core (rubble & fragments). @15.53m is 10mm Qz-PY VN, 75 tca. @19.06m is AB-PY-Bio VN, 75 tca. @23.57m is 6mm coarse grained PY VN, 65 tca. @23.91m is 10mm Qz-Chl VN, 65 tca. Below 27.35m small/tiny MO strs. @28.0-28.31m silica zone. @32.2 is 17mm Qz-PY-MO VN, 80 tca. @32.61- 33.0m broken core, Chl & PY on fracture. @35.25 is 35mm CA VN, 55 tca. @38.2m solid 25mm Qz VN, 55 tca.

STRUCTURES				
From	To	Struct	CA	Strain
4.68	38.72	FLW		S

from 4.68 to 14.4 is 5-7% broken core, 5-7%

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
4.68	38.72	-	-	W	-	-	W	-	-	-	W	W	VW	

Chl & silica altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
4.68	38.72	3	5	2		1	70

Occasional Qz VNs

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
4.68	38.72	1	MG	PY	1	MO	0.1

MO occurrence

From: 38.72 **To:** 74.35 **Litho:** AND

Andesite porphyry, feldspar phenocrysts, siliceous, moderate Chl altn, narrow Qz & AB VNs & strs, casual weak MO (strs & traces). @40.44m is 8mm Qz-PY-BIO VN, 70 tca. @44.42m is 12mm Qz-PY-BIO VN 50 tca. @46.08m solid 41mm Qz-PY-BIO VN, 90 tca. @46.36m is 22mm PY-Qz-BIO VN, 70 tca. @46.78m dispersed 16mm PY-BIO-Qz VN, 75 tca. @48.4-48.8m abundant PY strs (2-4% PY). @52.0m dispersed 15mm PY-Qz-BIO VN, 70 tca. @57.3-57.8m zone with abundant PY strs (3-5% PY). @62.55m is 8mm PY-BIO VN, 55 tca. @71.23m is 7mm PY-BIO VN, 20 tca. @73.35m is 9mm Qz-PY-MO VN, 25 tca.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%

From: 38.72 **To:** 74.35 **Litho:** AND

Andesite porphyry, feldspar phenocrysts, siliceous, moderate Chl altn, narrow Qz & AB VNs & strs, casual weak MO (strs & traces). @40.44m is 8mm Qz-PY-BIO VN, 70 tca. @44.42m is 12mm Qz-PY-BIO VN 50 tca. @46.08m solid 41mm Qz-PY-BIO VN, 90 tca. @46.36m is 22mm PY-Qz-BIO VN, 70 tca. @46.78m dispersed 16mm PY-BIO-Qz VN, 75 tca. @48.4-48.8m abundant PY strs (2-4% PY). @52.0m dispersed 15mm PY-Qz-BIO VN, 70 tca. @57.3-57.8m zone with abundant PY strs (3-5% PY). @62.55m is 8mm PY-BIO VN, 55 tca. @71.23m is 7mm PY-BIO VN, 20 tca. @73.35m is 9mm Qz-PY-MO VN, 25 tca.

STRUCTURES

From	To	Struct	CA	Strain
38.72	74.35	FLW		S

~3 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
38.72	74.35	-	-	M	M	-	W	-	-	-	W	M	W	

Chl & silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
38.72	74.35	6	10	15		4	60

narrow (<10mm) Qz VNs & minor PY VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
38.72	74.35	1	VLT	PY	1	MO	0.05

MO <0.1%

From: 74.35 **To:** 75.05 **Litho:** BDY

Olivine porphyritic basalt dyke

STRUCTURES

From	To	Struct	CA	Strain
74.35	75.05	MAS S		VS

basalt dyke

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
74.35	75.05	-	-	-	M	-	-	-	-	-		VW	VW	

phenocrysts of pyroxene

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
74.35	75.05	0.1	5				

porphyritic basalt dyke

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
74.35	75.05	0.1	DISS				

basalt dyke

From: 75.05 **To:** 78.66 **Litho:** QFP/AND

Andesite porphyry, feldspar phenocrysts, siliceous, Qz-PY VNs & MO strs, weak Chl altn. @76.04m is 28 mm Qz-PY VN, 55 tca with MO on edges. @77.0m is 25mm Qz-PY-MO VN, 30 tca. @77.96m is 44mm Qz-PY VN, 90 tca.

STRUCTURES

From	To	Struct	CA	Strain
75.05	78.66	MAS S	55	M

3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
75.05	78.66	-	-	W	M	-	M	-	VW	-	W	M	M	

Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
75.05	78.66	6	10	10	2	2	50

solid Qz-PY VNs, MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
75.05	78.66	2	VLT	PY	2	MO	0.15

MO present, thin/tiny strs

From: 78.66 **To:** 80.90 **Litho:** BDY

Olivine porphyritic basalt dyke

STRUCTURES

From	To	Struct	CA	Strain
78.66	80.90	MAS S		VS

basalt dyke

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
78.66	80.90	-	-	-	M	-	-	-	VW	-		VW	VW	

basalt dyke

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
78.66	80.90	0.1	5				

basalt dyke

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
78.66	80.90	0.1	FG	PY	0.2		

basalt dyke

From: 80.90 **To:** 92.50 **Litho:** MZON

Drab green monzonite porphyry with DI PY ~1%, Cpy occurrance, MO traces, AB altn. @87.82-88.33m AB-CA-PY zone. Monzonite zone gradational to siltstone bedding. Contact diffuse and irregular.

STRUCTURES

From	To	Struct	CA	Strain
80.90	92.50	FLW	50	S

4% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
80.90	92.50	-	-	-	M	-	M	-	VW	-	VW	M	W	

below 90.5m moderate AB altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
80.90	92.50	2	15	15	1	1	50

narrow AB & Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
80.90	92.50	1	MG	PY	1	CC	0.2

Cpy & MO present

From: 92.50 **To:** 119.13 **Litho:** HSLT

Hornfelsed siltstone, Qz-PY veinlets, MO (0.2%), weak BIO & Chl altn, very weak CA & MG. Below 93.5m dominated by AB with MO traces. @95.57m is 12mm Qz-PY VN, 50 tca. @96.24 is 17mm Qz-PY-MO VN, 50 tca. @97.22-97.58m dispersed Qz-PY-BIO VN, 35 tca. @101.38m is 20m Qz-MO VN, 40 tca. @101.66 is 24mm Qz-PY-MO VN, 40 tca. @101.91m is 18mm Qz-PY-MO VN, 50 tca. @101.2m is 11mm Qz-PY-MO VN, 75 tca. Below 103.07-103.36m three 13-17mm Qz-PY-MO VNs, 45-50 tca. @104.57-105.0m significant Qz-PY-MO VN, 40 tca. @105.28m is 85mm Qz-PY-MO VN, 50 tca. @105.76-106.08m dispersed Qz-PY-MO VN, 40 tca. @107.38m is 14mm Qz-PY-MO VN, 45 tca. @110.27m is 10mm Qz-MO VN, 50 tca. @110.4m is 17mm Qz-PY-MO VN, 80 tca. @112.37m is 44mm Qz-PY-MO VN, 45 tca.@113.46m is 15mm Qz-MO VN, 70 tca. @113.59m is 13mm Qz-AB-PY-MO VN, 65 tca. @118.02m is 12mm Qz-PY-MO VN, 40 tca. @118.66m is 20mm Qz-PY-Chl VN, 45 tca.

STRUCTURES

From	To	Struct	CA	Strain
92.50	119.13	BDG	50	S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
92.50	119.13	-	-	M	M	-	M	-	VW	-	W		M	

mod Chl altn, weak BO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
92.50	119.13	15	15		1	3	50

significant >80mm VNs are present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
92.50	119.13	1	VLT	PY	1	PY	0.2

MO mineralization ~0.1-0.3%

From: 119.13 **To:** 120.67 **Litho:** BDY

Basalt dyke

STRUCTURES				
From	To	Struct	CA	Strain
119.13	120.67	MASS		VS
dyke				

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
119.13	120.67	-	-	VW	M	-	-	-	VW	-			VW	
dyke														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
119.13	120.67	0.1	5				
no VNs							

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
119.13	120.67	0.2	FG	PY	0.2		
basalt dyke							

From: 120.67 **To:** 134.70 **Litho:** HSLT

Hornfelsed siltstone, structure controlled by Qz-PY+/- Chl (~4% PY), MO (0.5%) present in Qz-PY VNs/strs. @123.32m contorted 30mm Qz-PY VN, 80 tca. @124.45m two 15mm Qz-PY-MO VN, 80 tca. @125.0m is 16m Qz-PY-MO VN, 80 tca. @126.66m is 22mm Qz-PY-MO VN, 40 tca & network of thin Qz-PY-MO VNs. @128.03m is 27mm Qz-PY VN, 60 tca. Below 128.28m core mottled Qz-PY strs/VNs (~0.5% MO). @129.7m solid 57mm Qz-PY-MO VN, 70 tca. @131.12m solid 22mm Qz-PY-MO VN, 80 tca. @131.63m contorted 23mm Qz-PY-MO VN, 90 tca. @132.8m is 21mm Qz-PY-Cpy-BO VN, 70 tca.@133.67m is 26mm Qz-PY-MO VN, 70 tca. @134.5m is 26mm Qz-PY-MO VN, 85 tca.

STRUCTURES				
From	To	Struct	CA	Strain
120.67	134.70	BDG	50	S
~2% joints				

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
120.67	134.70	-	-	W	M	-	M	-	VW	-	W		M	
BIO altn														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
120.67	134.70	5	15		1	4	50
Qz-PY-MO +Chl or BIO							

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
120.67	134.70	4	VLT	PY	4	MO	0.5
~0.5% MO in this interval							

From: 134.70 **To:** 146.76 **Litho:** HSLT

Hornfelsed siltstone with foliation parallel bedding. @135.04m is 14mm Qz-PY-MO VN, 75 tca. From 135.25 to137.28m highly contorted and irregularly mixed lithologies + small breccia zones, AB-Chl altn. @139.54m is 15mm Qz-PY-MO VN, 80 tca. @140.45m is 34mm Qz-PY-MO VN, 65 tca. @140.84m is 30mm Qz-PY-MO VN, 75 tca. @143.21m is 17m Qz-PY-MO VN, 65 tca. @143.77-144.0m breccia & silica. @145.6-145.44m three contorted 14-16mm Qz-PY-MO VNs, 30-80 tca. @146.13-146.31m Qz-PY-Cpy-MO zone.

STRUCTURES				
From	To	Struct	CA	Strain
134.70	146.76	BDG	40	S
3% joints				

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
134.70	146.76	-	-	VW	M	-	M	-	VW	-	W		M	
AB-Chl altn														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
134.70	146.76	10	10		1	5	50
Qz-PY-MO VNs							

MINERALIZATION							
From	To	PY%	Style	Min	Min%	Min2	M2%
134.70	146.76	4	VLT	PY	3	PO	1
Cpy present							

From: 146.76 **To:** 150.24 **Litho:** HSLT

Fault zone with Chl, Qz, PY & CA on fracture. @148.82m is 18mm Qz-PY-MO VN, 75 tca.

STRUCTURES

From	To	Struct	CA	Strain
146.76	150.24	FLT		W

fault zone

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
146.76	150.24	-	-	M	M	-	W	-	M	-			W	

Chl-CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
146.76	150.24	2	2		2	1	80

traces of Qz & DI PY, MO trace

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
146.76	150.24	1	MG	PY	1		

fault zone with PY & trace of MO on fracture

From: 150.24 **To:** 157.58 **Litho:** HSLT

Hornfelsed siltstone (brittle rock), abundant Qz-PY strs + VNs (~2% PY); CA & Chl on joints. @150.76m is 18mm Qz-PY-MO VN, 70 tca. @150m is 20mm Qz-PY-MO VN, 45 tca. @151.33m is 21mm Qz-PY-MO VN, 65 tca. @154.17m is 24mm Qz-PY-VN, 75 tca. @154.30m is 34mm Qz-PY-MO VN, 45 tca. @155.43-156.05m breccia, dolomite & CA occurrence.

STRUCTURES

From	To	Struct	CA	Strain
150.24	157.00	BDG		W

~10 joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
150.24	157.58	-	-	M	M	-	M	-	M	-			W	

CA-Chl on fracture

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
150.24	157.58	6	7		1	5	

4-6 VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
150.24	157.58	2	DISS	PY	2	MO	0.2

PY & MO present

From: 157.58 **To:** 177.00 **Litho:** HSLT

Hornfelsed siltstone, structure also controlled by Qz-PY-MO VNs (~2% PY), MO ~0.5%, Chl & BIO altn.@157.16m is 40mm Qz-PY-BIO-MO VN, 45 tca. @163.25m is 28mm PY-Qz VN, 90 tca. @164.64m is 24mm dispersed PY VN, 50 tca. @166.41m knot of Qz-PY-MO veinlets in different orient. @168.27m is 20mm Qz-PY-MO VN, 90 tca. @168.9m contorted 22mm Qz-PY-MO VN, 55 tca. @169.32m is 10mm shear zone (CA-dolomite). @170.91m is 22mm Qz-PY-MO VN, 60 tca. @171.2 m is 16mm Qz-PY-MO VN, 70 tca. @171.34m is 13mm Qz-PY-MO VN, 70 tca. @172.25m is 10mm Qz-AB-PY-MO VN, 70 tca. @174.07m contorted 25mm Qz-PY-MO VN, no orient.

STRUCTURES

From	To	Struct	CA	Strain
157.58	177.00	FLW	45	S

structure also controlled by Qz-PY-MO VNs

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
157.58	177.00	-	-	W	M	M	-	-	M	-	W		W	

CA-Chl & BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
157.58	177.00	3	5		1	3	50

structure also controlled by Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
157.58	177.00	2	VLT	PY	2	MO	0.5

~0.5% MO in this interval

From: 177.00 **To:** 199.60 **Litho:** HSLT

Hornfelsed siltstone (highly contorted and irregularly mixed zone. Abundant Qz-Py strs & thick Qz-PY VNs (~3% PY), Chl & BIO altn. @177.78m is 12mm QZ-PY-MO VN, 20 tca. @178.0m solid Qz-PY-MO VN, 60 tca. @179.61m is 20mm Qz-PY MO VN, 60 tca. @180.85m solid 13cm Qz-PY-CA-MO VN, 40 tca. @181.4m is 23mm Qz-PY-MO VN, 55 tca. @181.61m is 24mm Qz-BIO-PY-MO, 40 tca. @183.03m is 24mm Qz-PY-MO VN, 80 tca. @183.35m is 27mm Qz-PY VN, 30 tca. @183.52m is 21mm Qz-PY-MO VN, 70 tca. @183.75m contorted 18mm Qz-PY-MO VN, 15 tca. From 184.34m to 184.85m is 20mm Qz-PY-MO VN, 10 tca. @185.33m is 15mm Qz-PY-MO VN, 35 tca. Below 185.7m moderate epidote altn. @185.96-186.53m four 8-11m Qz-PY-MO VNs, 50-70 tca. @186.11m solid 52 mm Qz-PY-BIO VN, 70 tca. @188.06-188.32m AB-CA-MO-PY VN, 35 tca. @188.71m contorted 40mm Qz-CA-BIO-PY-MO VN, 40 tca. @190.7m is 13mm Qz-PY-Chl-MO VN, 80 tca. @191.52m is 18mm Qz-PY-MO VN, 60 tca & EPI altn. @192.07m solid 44mm Qz-PY-MO VN, 20 tca with a few subparallel Qz-PY-MO VNs <10mm. From 192.6m to 192.93m lense of Qz-PY-PO-MO VN. @194.0m is 27mmm Qz-PY-Chl VN, 80 tca. @194.95m is 20mm Qz-PY VN, 45 tca with narrow Qz-MO VNs around. @195.26m solid 80mm Qz-PY-MO VN, 75 tca. @196.49m is 13mm Qz-PY-manganese VN, 60 tca. @197.0m is 18mm Qz-PY VN, 70 tca. @197.35m is 20mm Qz-PY-MO VN, 55 tca. @197.86m solid 18mm Qz-MO-PY VN, 70 tca. @198.1m is 15mm Qz-PY VN, 75 tca. @198.47m is 17mm Qz-AB-PY VN, 65 tca; altered thin Qz-MO VNs below. @199.2m solid 52mm Qz-PY VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
177.00	199.60	BDG	50	S

3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
177.00	199.60	-	-	M	M	-	M	-	W	M	W		M	

Below 185.7 moderate epidote altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
177.00	199.60	15	6		0.5	3	

2-3 Qz-PY-MO VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
177.00	199.60	2	VLT	PY	2	MO	0.5

MO up to ~0.5%

From: 199.60 **To:** 203.76 **Litho:** HSLT

Fault zone, ~60% of rock are pieces < 10cm (fragments & gouge), Chl & CA on fracture. @203.89m is 62mm Qz-PY-manganese VN, 55 tca.

STRUCTURES

From	To	Struct	CA	Strain
199.60	203.76	FLT		W

fault zone, ~60% are pieces <10cm

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
199.60	203.76	-	-	-	M	-	W	-	W	-	W		VW	

CA-Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
199.60	203.76	0.5	5		1	1	55

traces of Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
199.60	203.76	0.5	VLT	PY	0.5		

0.5-1.0% PY

From: 203.76 **To:** 225.00 **Litho:** HSLT

Hornfelsed siltstone, structure controlled Qz-PY+/- Chl (~4% PY), MO (0.5%), thick 10-50cm Qz-PY VNs present, EPI alteration. @204.73m is 15mm Qz-PY-MO VNs, 50 tca. @205.96 is 20mm Qz-PY-MO VN, 50 tca. @206.09m solid 16cm Qz-PY-MO VN, 70 tca. @206.7-207.32m significant Qz-CA-BIO-MO VN, 90 tca. @207.7m dendritic 55mm Qz-PY-MO VN, 60 tca. From 209.62m to 210.25m significant Qz-PY-MO-BIO zone. @211.63m solid 30mm Qz-AB-PY-MO-PO VN, 45 tca. @211.35m is 85mm Qz-PY-MO VN, 70 tca. @213.6m is 53mm Qz-PY-MO VN, 85 tca. From 212.8m to 213.14m three 10-23mm Qz-PY-MO VNs, 50-70 tca. @215.48m is 18mm Qz-PY-MO VN, 60 tca. @215.13m is 45mm Qz-PY-BIO-MO VN, 60 tca. @216.4m dispersed 38mm Qz-PY-MO VN, 40 tca. @216.5-216.6m breccia zone (dolomite & clay). From 216.9-219.13m Qz-PY-MO VNs stockwork with thick 10-17mm VNs (~5-6 VN/m). @219.17m solid 13cm Qz-PY-MO VN, 50 tca. @220.88m two subparallel 20 & 28mm Qz-PY-MO VNs, 50 tca. Below 221.8 stockwork 10-16mm Qz-PY-MO VNs, 35-60 tca. @223.68m solid 10cm Qz-PY-MO VN, 70 tca. @223.85m is 32m Qz-PY-MO VN, 60 tca.From 224.16m to 225.0m two breccia zones with CA VNs.

STRUCTURES

From	To	Struct	CA	Strain
203.76	225.00	BDG	60	M

4% joints, breccia zones

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
203.76	225.00	-	-	M	W	-	M	-	W	W	W	M		

moderate Chl & weak epidote altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
203.76	225.00	8	20		1	4	50

two significant 0.6m VNs present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
203.76	225.00	3	VLT	PY	3	MO	0.5

MO present in Qz VNs <1%

From: 225.00 **To:** 245.97 **Litho:** HSLT

Hornfelsed siltstone, zones with Chl altn, thick Qz-PY-MO VNs present, BIO altn, @225.54-228.1m four 14-24mm Qz-PY-MO VNs, 60-70 tca. @228.82m is 20mm Qz-PY-MO VN, 50 tca @229.0-230.0m five 16-20mm Qz-PY MO VNs, 50- 60 tca. @230.0-231.0m six 10-30mm Qz-PY-MO VNs, 30-90 tca. @231.26m contorted 15mm Qz-PY-MO VN, 40 tca. @231.88m is 14mm Qz-PY-MO VN, 50 tca. @232.13m is 66mm Qz-PY-EPI VN, 80 tca. @232.49m is 21mm QZ-PY-MO VN, 70 tca. @234.03m is 24mm Qz-PY-PO-MO VN, 30 tca. @234.24-234.5m zone with thin Qz-PY-MO strs, 40 tca. @234.56m is 20mm, 60 tca. @235.09m is 47mm Qz-AB-PY-MO VN, 70 tca. @235.64m is 18mm Qz-PY-MO VN, 40 tca. @236.14m is 77mm Qz-PY-Chl-MO VN. 90 tca. @236.73m is 34mm Qz-PY-MO VN, 30 tca. @238.11m is 60mm Qz-PY-MO VN, 70 tca. @238.45m is 35mm CA-PY-PO-EPI VN, 35 tca. @239.04m is 15mm Qz-PY-MO-EPI VN, 90 tca. @240.1m1 is 11mm Qz-PY-AB VN, 50 tca. @240.74m is 46mm Qz-PY-MO VN, 50 tca. @241.2 mis 30mm Qz-PY-MO-Cpy VN, 40 tca. @241.4m is 14mm Qz-PY-MO VN, 80 tca. @242.33 is 22mm Qz-PY-BIO VN, 40 tca & 10mm CA VN, 15 tca. @242.86m solid 120mm Qz-PY-BIO VN, 65 tca. @243.65m contorted 20mm Qz-PY-MO VN, 50 tca. @244.34m dispersed 38mm Qz-PY-MO VN, 50 tca. @244.62m another contorted Qz-PY-MO, 50 tca. @245.85m is 56mm Qz-PY-MO VN, 65 tca.

STRUCTURES

From	To	Struct	CA	Strain
225.00	245.97	BDG	50	S

2-3 % joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
225.00	245.97	-	-	M	W		M	-	W	W	W	M		

epidote altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
225.00	245.97	15	15		1	4	50

thick Qz Vns present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
225.00	245.97	3	-	PY	23	MO	0.5

Cpy pesent in small amount

From: 245.97 **To:** 253.55 **Litho:** HSLT

Hornfelsed siltstone, fine grained, siliceous, thick Qz-PY-MO VNs, weak epidote altn & CA VN. @246.03m dispersed 30mm Qz-PO-MO VN, 30 tca. @246.53m is 52mm Qz-PY-MO VN, 50 tca. @246.8m is 14mm Qz-PY-MO VN, 60 tca. @247.21-247.47m network 10-20mm Qz-PY-MO VNs in different orientation. @247.88-248.7m stockwork Qz-PY-MO VN 8-18mm, 50-75 tca. @249.6-249.73m shear zone. @249.83m is 44mm Qz-PY-MO VN, 45 tca. @250.18m is 20mm Qz-PY-MO VN, 30 tca. @250.57-251.08m significant Qz-PY-PO-MO-BIO VN, 30 tca, MO strs crosscut the VN. @251.55m is 20mm Qz-PY-MO VN, 40 tca. @251.8m solid 40mm Qz-PY-MO VN, 70 tca. @252.2m is 12mm Qz-PY-MO VN, 55 tca. @252.55-252.7m knot 12mm Qz-PY-MO VNs. @253.4m is 13mm Qz-PY-MO VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
245.97	253.55	BDG	40	M
Chl present on fracture				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
245.97	253.55	-	-	W	W	-	M	-	W	VW	W		M	
very weak epidote altn.														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
245.97	253.55	15	20		1	3	50
significan 0.5m VN present at 250.57m							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
245.97	253.55	3	VLT	ST	2.5	PO	1
significant Qz-PY-MO VN, tiny MO strs crosscut the VN, ~1% MO in this VN							

From: 253.55 **To:** 263.90 **Litho:** GDIO

White granodiorite porphyry, mica, matrix is AB-plagioclase feldspa, BIO alteration, fine grained DI PY, BB & strs, no molybdenite

STRUCTURES

From	To	Struct	CA	Strain
253.55	263.90	MASS		VS
dyke				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
253.55	263.90	-	-	-	M	-	M	-	VW	VW	W	M	W	
BO & AB altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
253.55	263.90	2	20	20		1	40
narrow Qz VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
253.55	263.90	0.5	DISS	PY	0.5		
fine grained DI PY							

From: 263.90 **To:** 279.05 **Litho:** HSLT

Hornfelsed siltstone fine grained with thick Qz-PY-MO VNs, weak Chl altn. Below 263.9m fusion zone with abundant Qz-PY strs & VNs, 0.5% MO. @265.47m is 60mm Qz-PY-Chl VN, 25 tca. @265.92m is 11mm Qz-PY-Chl VN, 75 tca offset by another 10mm Qz-PY VN, 75 tca. @267.71-269.14m hybrid/fusion andesidt zone & 28cm tuff, Chl-BO altn, subparallel Qz strs, 70-60 tca. @269.4-269.62m knot of Qz-PY-MO VNs. @270.36m dispersed 34mm Qz-PY-MO VN, 35 tca. @270.86m is 11mm Qz-PY-BIO-MO VN, 10 tca. @271.5m is 30mm Qz-PY-BIO VN, 80 tca. @272.45-272.75m four 13-24mm Qz-PY-MO VNs, 40-75 tca. @ 272.8m solid 66mm Qz-PY-MO VN, 55 tca. From 273.44-275.4m stockwork Qz-PY-Chl VNs +/- MO, different orient. @275.4m is 71mm Qz-PY-MO VN, 70 tca with anastomosing veinlets radiating from the main VN. @275.71m is 26mm Qz-PY-MO VN, 80 tca. @276.86m is 24mm Qz-MO VN, 65 tca. From 277.0 to 277.43m stockwork of five Qz-PY-Chl VNs (10-19mm), 50-60 tca. @277.59m is 26mm Qz-PY-Chl VN, 60 tca. @278.28m is 46mm Qz-PY-PO-MO VN 45 tca.

STRUCTURES

From	To	Struct	CA	Strain
263.90	279.05	BDG	65	M
@267.72-269.14 hybrid zone				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
263.90	279.05	-	-	W	M	-	M	-	VW	-	W		W	
Chl altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
263.90	279.05	10	10		0.5	3	60
Qz-PY-Chl +/-MO VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
263.90	279.05	2	VLT	PY	2	PO	0.5
~0.5 MO in this interval							

From: 263.90 **To:** 279.05 **Litho:** HSLT

(Continued from previous page)

STRUCTURES					ALTERATION															VEINS								MINERALIZATION							
From	To	Struct	CA	Strain	From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER	From	To	Vn%	QZ%	Feld%	CC%	V/m	CA	From	To	PY%	Style	Min	Min%	Min2	M2%

From: 279.05 **To:** 289.60 **Litho:** HSLT

Fine grained hornfelsed siltstone, foliation parallel bedding, Qz-PY+/- MO VNs, weak BO & Chl. @279.6m is 30mm QZ-PY VN, 50 tca. @275.6-281.1m stockwork 10-13mm Qz-PY+/-MO VNs, 60-80 tca. @282.64m is 23mm Qz-PY-CA-BIO VN, 15 tca. @282.85m is 14 mm Qz-PY-MO VN, 65 tca. @286.44m is 14mm Qz-PY-MO VN, 70 tca. @286.9m is Qz-PY-MO VN, 18mm Qz-PY-MO VN, 40 tca. @287.86m is 14mm Qz-PY-MO VN, 50 tca.

STRUCTURES					ALTERATION															VEINS								MINERALIZATION							
From	To	Struct	CA	Strain	From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER	From	To	Vn%	QZ%	Feld%	CC%	V/m	CA	From	To	PY%	Style	Min	Min%	Min2	M2%
279.05	289.60	BDG		M	279.05	289.60	-	-	VW	-	-	W	-	VW	-	VW	M			279.05	289.60	5	7			2	60	279.05	289.60	1	VLT	PY	0.5	MO	0.1
3-5% joints					*weak Chl & BO altn*															*one VN/m*								*MO 0.1-0.2%*							

From: 289.60 **To:** 306.50 **Litho:** HSLT

Fault zone with (~60 % are pieces <10cm & 2% gouge), Chl, CA & PY clusters on fracture, weak BO altn. @290.1-290.26m shear zone. @291.12m is 18mm Qz-PY-Chl VN, 25 tca. @291.37m is 24mm Qz-PY-BO VN, 60 tca. @291.52m is 76mm Qz-PY-Chl-MO VN, 45 tca. @291.69m is 5cm shear zone. @292.0-290.15m two 15mm Qz-PY-MO VNs, 60-65 tca. @292.23m contorted 32mm Qz-PY-Chl-MO VN, 70 tca. @294.62m contorted 18mm Qz-PY VN, 50 tca. @296.4-297.0m zone with a few contorted narrow Qz-CA-PY-MO VN, 60 tca. @300.0 is 32mm Qz-PY-MO VN, 65 tca. @301.72m is 16mm Qz-PY-BO-MO VN, 90 tca. @302.72m is 30mm Qz-PY-Chl VN, 90 tca. @304.32m is 24mm Qz-PY-Chl VN, 80 tca. @304.7-304.83m fragments & CA altn.

STRUCTURES					ALTERATION															VEINS								MINERALIZATION							
From	To	Struct	CA	Strain	From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER	From	To	Vn%	QZ%	Feld%	CC%	V/m	CA	From	To	PY%	Style	Min	Min%	Min2	M2%
289.60	306.50	FLT		W	289.60	306.50	-	-	W	-	-	W	-	W	-	W	W			289.60	306.50	5	5		2	3	45	289.60	306.50	1	VLT	PY	1	MO	0.2
fault, 60% are pieces <10 cm					*CA-Chl altn*															*Qz-PY VNs +/-MO*								*MO presen in Qz VNs in small amount*							

From: 306.50 **To:** 307.50 **Litho:** HSLT

Fault zone with one 22mm Qz-PY-Cpy-MO VN, 50 tca at 307.2m; PY clusters & CA on fracture.

STRUCTURES					ALTERATION															VEINS								MINERALIZATION							
From	To	Struct	CA	Strain	From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER	From	To	Vn%	QZ%	Feld%	CC%	V/m	CA	From	To	PY%	Style	Min	Min%	Min2	M2%

From: 306.50 **To:** 307.50 **Litho:** HSLT

Fault zone with one 22mm Qz-PY-Cpy-MO VN, 50 tca at 307.2m; PY clusters & CA on fracture.

STRUCTURES

From	To	Struct	CA	Strain
306.50	307.50	FLT		W
fragments, PY on fracture				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
306.50	307.50	-	-	-	-	-	W	-	-	-	W		W	
weak AB														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
306.50	307.50	3	4		0.5		50
one Qz-PY-Cpy-MO VN							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
306.50	307.50	1	VLT	PY	1	CC	0.2
fault with a trace of Qz-PY-Cpy-MO VN							

From: 307.50 **To:** 317.40 **Litho:** HSLT

Hornfelsed siltstone with CA-Chl, Qz-PY +/- MO VNs, (~2% PY), moderate BIO & weak epidote altn. @307.5m anastomosing 7mm Chl-PY VN. @309.16m is 24mm Qz-PY-MO VN, 75 tca. @314.05-314.72m fault zone (fragments & gouge). @317.12m is 15mm Qz-PY-MO VN, 30 tca. Contact to granodiorite @317.4m is 15 tca.

STRUCTURES

From	To	Struct	CA	Strain
307.50	317.40	BDG	50	W
below 314.05m fault zone ~68cm				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
307.50	317.14	-	-	M	-	-	M	-	M	VW	VW		W	
Chl & BIO altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
307.50	317.40	2	3		2	1	40
Qz-PY-MO VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
307.50	317.40	2	VLT	PY	2	MO	0.3
MO present							

From: 317.40 **To:** 322.40 **Litho:** GDIO

Dark porphyritic granodiorite, coarse feldspar phenocrysts, AB blotches, fine grained DI PY. Contact to siltstone @322.4m is 40 tca. @323.58m is 22mm Qz-PY-MO VN, 40 tca with a few narrow subparallel Qz-PY-PO VNs

STRUCTURES

From	To	Struct	CA	Strain
317.40	322.40	MASS		VS
strong massive zone				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
317.40	322.40	-	-	-	M	-	W	-	-	-	VW	M	W	
BIO altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
317.40	322.40	0.1	20	20			
no VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
317.40	322.40	1	DISS	PY	1		
0.5-1.0% DI PY							

From: 322.40 **To:** 333.66 **Litho:** HSLT

Brown fine grained hornfelsed siltstone with moderate Chl altn, casual Qz VNs (one vein per meter), 1-2% PY, weak CA & epidote; MO in minor amount. Also thin 3-4mm Qz-PY-MO strs present in this interval. @324.35m is 10mm Qz-PY-MO VN, 60 tca. @325.0m two contorted 6mm Qz-PY-MO VNs, 40 & 80 tca. @326.62m contorted 11mm Qz-PY-MO VN, 50 tca with subparallel 2mm MO strs & epidote altn around. @328.37m is 26mm Qz-PY-MO VN, 40 tca. @328.6m is 30mm Qz-PY-MO-EPI VN, 40 tca. @329.2-329.4m contorted Qz-PY-MO VN, 50 tca with subparallel Qz-MO strs & EPI altn. @330.1m is 20mm Qz-PY-MO VN, 75 tca. @330.33m is 24mm Qz-PY-MO-Chl VN, 40 tca with subparallel 14mm Qz-PY-MO VN. From 330.85m to 331.56m pinkish porphyritic microdiorite with BIO. From 333.06m to 333.64m stockwork 7-11mm Qz-PY-MO VNs, 25-50 tca. CON=40 tca.

STRUCTURES

From	To	Struct	CA	Strain
322.40	333.66	BDG		M
3-4% of joints				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
322.40	333.66	-	-	VW	W	-	M	-	VW	W	W	M	W	
EPI altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
322.40	333.66	3	5		1	1	50
one vein per meter							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
322.40	333.66	2	VLT	PY	2	MO	0.1
minor MO							

From: 333.66 **To:** 335.88 **Litho:** GDIO

Porphyritic granodiorite, feldspar phenocrysts & DI PY. CONTACT to siltstone @335.88m =40 tca

STRUCTURES

From	To	Struct	CA	Strain
333.66	335.88	MASS		VS
granodiorite dyke				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
333.66	335.88	-	-	-	M	-	W	-	VW	W	W	M	W	
BIO altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
333.66	335.88	0.1	20	20			
granodiorite dyke							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
333.66	335.88	1	MG	PY	1		
DI PY							

From: 335.88 **To:** 337.30 **Litho:** HSLT

Brown hornfelsed siltstone with moderate Chl altn. @335.0m is 16mm Qz-PY-MO VN, 40 tca. @337.94m solid 54mm Qz-Py-BIO VN, 45 tca. CN=70 tca.

STRUCTURES

From	To	Struct	CA	Strain
335.88	337.30	BDG		M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
335.88	337.30	-	-	W	M	-	W	-	VW	-			W	
Chl altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
335.88	337.30	4	6		1	1	50
Qz-PY-MO VNs, one VN/m							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
335.88	337.30	1	-				
MO present							

From: 337.30 **To:** 339.04 **Litho:** GDIO

Porphyritic granodiorite, feldspar phenocrysts, dark hornblende, DI PY & AB. CONTACT to siltstone @337.3m is 70 tca. Also @337.3m present 48mm Qz-PY VN, 70 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 337.30 **To:** 339.04 **Litho:** GDIO

Porphyritic granodiorite, feldspar phenocrysts, dark hornblende, DI PY & AB. CONTACT to siltstone @337.3m is 70 tca. Also @337.3m present 48mm Qz-PY VN, 70 tca.

STRUCTURES

From	To	Struct	CA	Strain
337.30	339.04	MASS		VS

granodiorite dyke

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
337.30	339.04	-	-	-	S	-	M	-	-	-	VW	M	VW	

weak BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
337.30	339.04	2	25				

Qz-PY VN

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
337.30	339.04	0.5	FG	PY	0.5		

DI PY in minor amount

From: 339.04 **To:** 350.10 **Litho:** HSLT

Hornfelsed siltstone with Qz-PY+/-MO VNs. @339.54m is 12mm Qz-PY VN, 85 tca. @340.11-340.53m is 14mm Qz-PY-BIO-MO-Chl VN along the core. @341.95-342.14m stockwork Qz-PY VNs +/- MO, 40-60 tca. @342.34m contorted 15mm Qz-AB-MO VN, 60 tca. @343.41m is 20mm Qz-PY-Chl-BIO VN, 50 tca. @346.7-347.0m stockwork dispersed AB-Qz-PY-BIO VNs, 50 tca.@347.55m contorted 25mm Qz-AB-PY-EPI VN, no orient. @349.35m is 20mm Qz-PY-MO VN, 50 tca with subparallel strs Qz-PY-MO strs. From 349.6 to 350.1m five subparallel dispersed Qz-PY-MO VNs, 35 tca

STRUCTURES

From	To	Struct	CA	Strain
339.04	350.10	BDG		S

1-2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
339.04	350.10	-	-	W	M	-	M	-	VW	VW	W		W	

weak EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
339.04	350.10	3	6		1	3	

narrow Qz-PY +/-MO veins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
339.04	350.10	2	VLT	PY	2	MO	0.1

MO present in minor amount

From: 350.10 **To:** 357.08 **Litho:** GDIO

Porphyritic granodiorte, feldspar phenocrysts, dark mica & hornblende, DI PY, AB blotches, casual Qz VNs, weak MG. @350.34m is 16mm Qz-PY VN, 40 tca. @350.52m is 15mm Qz-PY-Chl VN, 50 tca. 353.75m is 23mm Qz-PY VN, 55 tca. Contact to siltstone at 357.08m is 70 tca.

STRUCTURES

From	To	Struct	CA	Strain
350.10	357.08	MASS		VS

granodiorite dyke

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
350.10	357.08	-	-	-	M	-	W	-	VW		W	M	W	

BIO, ALB & MG altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
350.10	357.08	1	20	25			

Qz-PY VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
350.10	357.08	1	DISS	PY	1		

weak MG

From: 357.08 **To:** 370.90 **Litho:** HSLT

Brown hornfelsed siltstone with some highly mixed and iregular zones (mixed andesite?) with foliation parallel bedding. Moderate Chl altn, Qz VNs (one vein per meter), pyrrhotite & PY BB, 2% PY, weak CA & epidote, MO in minor amount. @357.93m is 60mm Qz-PY-MO VN, 55 tca. @359.72m is 80mm Qz-PY-Chl VN, 90 tca with anastomosing veinlets & MO traces. @361.17m contorted 25mm Qz-PY-MO-EPI VN, 50 tca. @361.66-361.82m network of 4-7mm Qz-PY-MO VNs in different orient. @362.8-363.2m network of 5-10mm Qz-AB-PY-MO VNs. @364.23m contorted 30mm Qz-PY VN, 45 tca. @365.97m dispersed 13mm Qz-PY-MO VN, 30 tca with two subparallel 4mm & 7mm Qz-PY-MO VNs.@366.53m is 24mm Qz-PY VN, 30 tca. From 367.6m to 367.36m monzonite porphyry, fine grained DI PY, potassic feldspar, BIO, contact to monzonite =50 tca. @368.05m narrow 7mm Qz-PY-MO VN, 40 tca. @368.57-367.05m is 16mm Qz-AB-PY-EPI-MO-BIO VN, 20 tca.

STRUCTURES

From	To	Struct	CA	Strain
357.08	370.90	BDG		S

1-2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
357.08	370.90	-	-	W	M	-	M	-	VW	VW			W	

weak epidote altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
357.08	370.90	4	5			1	50

Qz-PY-MO Vns +/-epidote

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
357.08	370.90	2	VLT	PY	2	MO	0.1

MO present in Qz VNs & strs

From: 370.90 **To:** 380.00 **Litho:** HSLT

Brown hornfelsed siltstone, Chl altn, Qz-PY-MO VNs, pyrrhotite & PY BB, 2-3% PY, weak CA & epidote. From 370.9m to 371.86m significant narrow Qz-PY-Cpy-MO-Chl VN along the core axis (up to ~1% MO). @373.21m is 11mm Qz-PY-MO VN, 40 tca. @374.32m is 16mm Qz-PY-MO VN, 30 tca. @374.96m is 14mm Qz-PY-MO, 85 tca. @375.92-377.1m significant zone contorted Qz-PY-MO VNs in different orient, (up to ~1% MO in this interval). @378.95m is 17mm Qz-PY MO VN, 50 tca. @379.52m is 28mm Qz-PY-MO-Chl VN, 75 tca.

STRUCTURES

From	To	Struct	CA	Strain
370.90	380.00	BDG		M

1% joint

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
370.90	380.00	-	-	VW	M	-	M	-	VW	VW	W		W	

weak Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
370.90	380.00	6	6		1	1	70

Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
370.90	380.00	3	VLT	PY	3	PO	0.5

two significant MO zones up to 1% MO

From: 380.00 **To:** 400.00 **Litho:** HSLT

Brown hornfelsed siltstone well foliated, Chl altn, Qz-PY-MO VNs, MO present in thin Qz strs (>0.5% MO in this interval) & 2% PY; CA & epidote present. @383.73m is 22mm Qz-PY-Chl-MO VN, 35 tca. @385.07m is 23mm Qz-PY-MO VN, 90 tca. Below 385.22m stockwork of Qz-PY-Chl-MO VNs (10-13mm), 70-80 tca. @385.65m is 40mm Qz-PY-MO-EPI, 30 tca. @386.52m is 24mm Qz-PY-MO VN, 50 tca. @387.85m solid 20m Qz-PY-MO VN, 20 tca. @389.0m dispersed 4mm Qz-PY-MO VN, 30 tca. @390.04m solid 48 mm Qz-PY-PO-MO VN, 35 tca. @391.45m is 24mm Qz-PY-AB-EPI VN, 45 tca. @391.73m is 33mm Qz-PY-AB-MO VN, 40 tca. @393.48m solid 84mm Qz-PY-MO VN, 40 tca. @394.66-394.84m dispersed Qz-PY-MO, 60 tca. @397.12-397.55m fault zone (fragmets). @397.6 is 21mm Qz-PY-MO VN, 45 tca. @398.5m Qz-PY-MO VN, 60 tca. @399.42 is 26mm Qz-PY-MO VN, 55 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%

From: 380.00 **To:** 400.00 **Litho:** HSLT

Brown hornfelsed siltstone well foliated, Chl altn, Qz-PY-MO VNs, MO present in thin Qz strs (>0.5% MO in this interval) & 2% PY; CA & epidote present. @383.73m is 22mm Qz-PY-Chl-MO VN, 35 tca. @385.07m is 23mm Qz-PY-MO VN, 90 tca. Below 385.22m stockwork of Qz-PY-Chl-MO VNs (10-13mm), 70-80 tca. @385.65m is 40mm Qz-PY-MO-EPI, 30 tca. @386.52m is 24mm Qz-PY-MO VN, 50 tca. @387.85m solid 20m Qz-PY-MO VN, 20 tca. @389.0m dispersed 4mm Qz-PY-MO VN, 30 tca. @390.04m solid 48 mm Qz-PY-PO-MO VN, 35 tca. @391.45m is 24mm Qz-PY-AB-EPI VN, 45 tca. @391.73m is 33mm Qz-PY-AB-MO VN, 40 tca. @393.48m solid 84mm Qz-PY-MO VN, 40 tca. @394.66-394.84m dispersed Qz-PY-MO, 60 tca. @397.12-397.55m fault zone (fragmets). @397.6 is 21mm Qz-PY-MO VN, 45 tca. @398.5m Qz-PY-MO VN, 60 tca. @399.42 is 26mm Qz-PY-MO VN, 55 tca.

STRUCTURES

From	To	Struct	CA	Strain
380.00	400.00	BDG		S
thin 1-3mm strs contain MO				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
380.00	400.00	-	-	W	M	-	M	-	VW	VW	VW		M	
Chl & EPI altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
380.00	400.00	1	5			1	40
thin Qz strs with MO typically at contact							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
380.00	400.00	2	VLT	PY	3	PO	0.5
0.3-0.5% MO							

From: 400.00 **To:** 422.00 **Litho:** HSLT

Hornfelsed siltstone with fault zones and brittle core, moderate CA altn, weak Chl, Qz-PY-MO VNs, (1-2% PY). Network of thin Qz strs contains MO. @430.30-400.8m fault zone (fragments) . @401.68-403.77m fault (fragments & gouge). @403.75m is 55mm Qz-PY-MO VN, 45 tca. @404.5m is 36mm Qz-AB-PY-PO-MO-Cpy VN, 40 tca. @404.05m is 58mm Qz-PY-MO VN, 50 tca. @407.34m is 26mm Qz-PY-MO VN, 35 tca. @408.36m is 40mm Qz-PY-MO-EPI VN, 25 tca with subparallel strs. @410.61m is 24mm Qz-PY-MO VN, 40 tca. @410.75m is 15mm Qz-PY-MO VN, 40 tca. @411.04m is 14mm Chl-PY-Qz-BIO VN, 25 tca. @418.0m is 12mm Qz-PY-MO VN, 20 tca. @420.48m is 24mm Qz-Py-MO VN with subparallel 12mm Qz-PY-MO VN, 35 tca. @421.Om is 32mm Qz-PY-MO VN, 90 tca. @421.35m is 20 mm Qz-PY-MO VN, 40 tca. @421.45-422.0m granodiorite porphyry with DY PY, Qz-MO strs.

STRUCTURES

From	To	Struct	CA	Strain
400.00	422.00	BDG		M
fault zones present				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
400.00	422.00	-	-	W		-	M	VW	VW	VW	W	W	W	
BIO altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
400.00	422.00	5	7	2		2	
strs contain MO							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
400.00	422.00	2	VLT	PY	2	MO	0.3
0.2-0.5% MO							

From: 422.00 **To:** 438.00 **Litho:** HSLT

Hornfelsed siltstone, Qz-PY-MO veinlets, abundant Qz-MO strs, weak BIO, CA, Chl & potassic altn, MO ~0.5%. @422.18m is 18mm Qz-PY-MO VN, 80 tca. @422.27m contorted 16mm Qz-PY-MO VN, 40 tca with veinlets radiating from the main vein. @422.95-424.44m are seven 10-15mm Qz-PY-MO VNs in differernt orient. @424.84m is 30mm Qz-PY-MO VN, 65 tca. @425.57m contorted 12mm Qz-pY-MO VN, no orient. @425.91-426.1m three subparallel 10-22mm Qz-PY-MO VNs, 80 tca. @426.78m is 34mm Qz-PY-MO-Chl VN, 30 tca. @427.73m is 30mm Qz-PY-MO VN, 85 tca. @427.85-428.7m fusion zone with Qz-PY-MO-EPI (0.5% MO in this interval). @429.73-430.1m fusion zone with Qz-PY-MO-EPI, (0.3- 0.5% MO in this intarval). @430.12m is 30mm Qz-PY-MO VN, 30 tca. @430.64-431.0m contorted 22mm Qz-PY-MO VN along the core. @431.18m is 15mm Qz-PY MO VN, 30 tca with subparallel 10m Qz-BIO-PY-MO VN. @433.37m is 22mm Qz-PY-MO VN, 45 tca with a few subparallel 7-10mm Qz-PY-MO VNs.@434.72m is 16mm Qz-PY-MO VN, 30 tca.@435.32-435.7m contorted 12mm Qz-PY-MO, 90 tca. @437.12-437.43m layered zone with 20mm Qz-PY-MO VN, 50 tca. @437.5-438.0m monzonite porphyry with weak potassic altn.

STRUCTURES

From	To	Struct	CA	Strain
422.00	438.00	BDG	35	S

~2% JOINTS

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
422.00	438.00	-	-	W	W	-	M	W	VW	-	W	W	M	

weak potassic altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
422.00	438.00	4	10	2	1	3	35

abundant Qz-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
422.00	438.00	2	VLT	PY	2	PO	0.5

abundant Qz strs contain MO

From: 438.00 **To:** 458.80 **Litho:** HSLT

Hornfelsed siltstone, fine grained, siliceous, Qz-PY-MO veinlets & network abundant Qz-MO strs (MO ~0.5%), weak BIO, CA, EPI, & Chl altn. @438.3 m solid 24mm Qz-PY-MO VN, 30 tca. @438.62 is 24mm Qz-PY-MO VN, 75 tca with subparallel strs. @440.0-44.12 silica with PY BB. @442.33 is 14mm Qz-PY-MO VN, 65 tca. @443.5-444.66 stockwork Qz-PY-MO VNs (10-13mm) with abundant strs in different orient. @445.0 is 20mm Qz-PY-MO VN, 40 tca. @445.12 is 20mm Qz-PY-MO VN, 35 tca. @445.36 is 15mm Qz-PY-PO-BIO-MO VN, 50 tca. @447.02 is 24mm Qz-PY-MO VN, 35 tca. @447.37-447.53 silica with PY blotches. @449.44 contorted 16mm Qz-PY-CA-MO VN along the core. @450.93 is 30mm Qz-PY-MO VN, 30 tca. @451.70 is 14mm Qz-PY-MO VN, 60 tca. @451.15-452.6 reddish monzonite porphyry with MO strs. @354.44 contact siltstone to granodiorite =45 tca. @455.44-455.1 granodiorite dyke. @455.9m 14mm Qz-CA-PY-MO VN, 35 tca. @456.71 is 17mm Qz-PY-MO VN, 50 tca. @457.55 solid 65mm Qz-PY-MO VN, 45 tca. Below 457.75 stockwork 12-18mm Qz-PY-MO VNs, 45-85 tca. @458.8 contact to siltstone =45 tca.

STRUCTURES

From	To	Struct	CA	Strain
438.00	458.80	BDG	35	M

2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
438.00	458.80	-	-	W	M	-	M	VW	VW	VW	W	W	M	

weak EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
438.00	458.80	7	15	5	1	4	35

network Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
438.00	458.80	2	VLT	PY	2	PO	0.5

network Qz strs contain MO

From: 458.80 **To:** 468.48 **Litho:** GDIO

Porphyritic granodiorite, feldspar phenocrysts, AB blotches, fine grained DI PY & BB, very weak EPI, Qz-PY strs, MO <0.1%. @460.3m is 24mm Qz-PY VN, 25 tca. @462.18m is 14m Qz-PY VN, 25 tca. @463.0m is 35mm Qz-PY-EPI VN, 45 tca. @465.72-645.5m silstone with Qz-PY-EPI-CA-Chl & MO str. @468.14m is 12mm Qz-BIO VN, 50 tca. @468.48m E.O.H.

STRUCTURES

From	To	Struct	CA	Strain
458.80	468.48	MASS		VS

rock is hard

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
458.80	468.48	-	-	VW	M	-	W	VW	VW	VW	M	M	W	

EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
458.80	468.48	2	20	20	1	0.5	60

Qz-PY VNs present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%
458.80	468.48	0.5	DISS	PY	0.5	MO	0.01

very weak MO

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0601

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44201	2.45	5.49	AND	CORE	0.004	0.000
44202	5.49	8.53	AND	CORE	0.005	0.000
44203	8.53	11.58	AND	CORE	0.004	0.000
44204	11.58	14.63	AND	CORE	0.008	0.000
44205	11.58	14.63		BLANK	0.000	0.000
44206	14.63	17.06	AND	CORE	0.002	0.000
44207	17.06	20.73	AND	CORE	0.004	0.000
44208	20.73	23.78	AND	CORE	0.010	0.000
44209	23.78	26.83	AND	CORE	0.006	0.000
44210	23.78	26.83		**MoS-1**	0.011	**0.065**
44211	26.83	29.87	AND	CORE	0.009	0.000
44212	29.87	32.92	AND	CORE	0.007	0.000
44213	32.92	35.97	AND	CORE	0.010	0.000
44214	35.97	39.01	AND	CORE	0.006	0.000
44215	39.01	42.06	QFP/AND	CORE	0.009	0.000
44216	42.06	45.11	QFP/AND	CORE	0.003	0.000
44217	45.11	48.16	QFP/AND	CORE	0.007	0.000
44218	48.16	51.21	AND	CORE	0.019	0.000
44219	51.21	54.25	AND	CORE	0.004	0.000
44220	51.21	54.25		DUPLICATE	0.006	0.000
44221	54.25	57.3	AND	CORE	0.011	0.000
44222	57.3	60.35	AND	CORE	0.012	0.000
44223	60.35	63.4	AND	CORE	0.009	0.000
44224	63.4	66.45	QFP/AND	CORE	0.007	0.000
44225	63.4	66.45		BLANK	0.000	0.000
44226	66.45	69.49	QFP/AND	CORE	0.004	0.000
44227	69.49	72.15	QFP/AND	CORE	0.004	0.000
44228	72.15	75.59	QFP/AND	CORE	0.005	0.000
44229	75.59	78.64	QFP/AND	CORE	0.009	0.000
44230	75.59	78.64		**MoS-1**	0.012	**0.065**
44231	78.64	81.69	QFP/AND	CORE	0.004	0.000
44232	81.69	84.73	QFP/AND	CORE	0.007	0.000
44233	84.73	87.78	AND	CORE	0.009	0.000
44234	87.78	90.83	AND	CORE	0.009	0.000
44235	90.83	93.88	AND	CORE	0.008	0.000
44236	93.88	96.93	AND	CORE	0.007	0.000
44237	96.93	99.97	AND	CORE	0.017	0.000
44238	99.97	103.02	AND	CORE	0.009	0.000
44239	103.02	106.07	AND	CORE	0.007	0.000
44240	103.02	106.07		DUPLICATE	0.009	0.000

SAMPLE REPORT

HOLE ID: CH0601

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44241	106.07	109.12	AND	CORE	0.007	0.000
44242	109.12	112.17	AND	CORE	0.010	0.000
44243	112.17	115.21	AND	CORE	0.008	0.000
44244	115.21	118.26	AND	CORE	0.007	0.000
44245	115.21	118.26		BLANK	0.001	0.000
44246	118.26	121.31	AND	CORE	0.006	0.000
44247	121.31	124.36	AND	CORE	0.008	0.000
44248	124.36	127.41	AND	CORE	0.010	0.000
44249	127.41	130.35	AND	CORE	0.043	0.000
44250	127.41	130.35		**MoS-1**	0.013	**0.061**
44251	130.35	133.5	QFP/AND	CORE	0.017	0.000
44252	133.5	136.55	QFP/AND	CORE	0.015	0.000
44253	136.55	139.6	QFP/AND	CORE	0.022	0.000
44254	139.6	142.65	QFP/AND	CORE	0.009	0.000
44255	142.65	145.69	QDP/QFP	CORE	0.004	0.000
44256	145.69	148.74	QDP/QFP	CORE	0.008	0.000
44257	148.74	151.79	QDP/QFP	CORE	0.005	0.000
44258	151.79	154.84	QDP/QFP	CORE	0.011	0.000
44259	154.84	157.89	QDP/QFP	CORE	0.020	0.000
44260	154.84	157.89		DUPLICATE	0.027	0.000
44261	157.89	160.93	QDP/QFP	CORE	0.013	0.000
44262	160.93	163.98	QDP/QFP	CORE	0.007	0.000
44263	163.98	167.03	QDP/QFP	CORE	0.009	0.000
44264	167.03	170.08	ADY	CORE	0.011	0.000
44265	170.08	173.13		BLANK	0.000	0.000
44266	170.08	173.13	QFP/AND	CORE	0.006	0.000
44267	173.13	176.17	QFP/AND	CORE	0.009	0.000
44268	176.17	179.22	QFP/AND	CORE	0.032	0.000
44269	179.22	182.27	QFP/AND	CORE	0.007	0.000
44270	179.22	182.27		**MoS-1**	0.011	**0.063**
44271	182.27	185.32	QFP/AND	CORE	0.008	0.000
44272	185.32	188.37	QFP/AND	CORE	0.012	0.000
44273	188.37	191.42	QFP/AND	CORE	0.011	0.000
44274	191.42	194.46	QFP/AND	CORE	0.007	0.000
44275	194.46	197.51	QFP/AND	CORE	0.011	0.000
44276	197.51	200.56	QFP/AND	CORE	0.007	0.000
44277	200.56	203.61	QFP/AND	CORE	0.010	0.000
44278	203.61	206.65	QFP/AND	CORE	0.006	0.000
44279	206.65	209.7	QFP/AND	CORE	0.010	0.000
44280	206.65	209.7		DUPLICATE	0.032	0.000
44281	209.7	212.75	QFP/AND	CORE	0.017	0.001

SAMPLE REPORT

HOLE ID: CH0601

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44282	212.75	215.8	QFP/AND	CORE	0.010	0.000
44283	215.8	218.85	QFP/AND	CORE	0.012	0.000
44284	218.85	221.9	QFP/AND	CORE	0.005	0.000
44285	218.85	221.9		BLANK	0.000	0.000
44286	221.9	224.94	QFP/AND	CORE	0.006	0.000
44287	224.94	227.99	QFP/AND	CORE	0.003	0.000
44288	227.99	231.04	QFP/AND	CORE	0.004	0.000
44289	231.04	234.09	QFP/AND	CORE	0.006	0.000
44290	231.04	234.09		**MoS-1**	0.011	**0.061**
44291	234.09	237.13	AND	CORE	0.014	0.000
44292	237.13	240.18	AND	CORE	0.017	0.000
44293	240.18	243.23	SLST	CORE	0.006	0.001
44294	243.23	246.28	SLST	CORE	0.006	0.000
44295	246.28	249.33	SLST	CORE	0.005	0.000
44296	249.33	252.37	SLST	CORE	0.006	0.000
44297	252.37	255.42	SLST	CORE	0.006	0.001
44298	255.42	258.47	SLST	CORE	0.006	0.001
44299	258.47	261.52	ARG	CORE	0.006	0.001
44300	258.47	261.52		DUPLICATE	0.011	0.000
44301	261.52	264.56	ARG	CORE	0.007	0.001
44302	264.56	267.61	ARG	CORE	0.014	0.001
44303	267.61	270.66	ARG	CORE	0.007	0.003
44304	270.66	273.71	DYKE	CORE	0.007	0.000
44305	273.71	276.76		BLANK	0.000	0.000
44306	273.71	276.76	ARG	CORE	0.005	0.000
44307	276.76	279.81	ARG	CORE	0.006	0.001
44308	279.81	282.85	ARG	CORE	0.010	0.002
44309	282.85	285.9	ARG	CORE	0.012	0.002
44310	285.9	285.9		**MoS-1**	0.011	**0.061**
44311	285.9	288.95	ARG	CORE	0.015	0.003
44312	288.95	292	ARG	CORE	0.009	0.003
44313	292	295.05	ARG	CORE	0.016	0.003
44314	295.05	298.09	ARG	CORE	0.011	0.004
44315	298.09	301.14	ARG	CORE	0.013	0.002
44316	301.14	304.19	ARG	CORE	0.011	0.003
44317	304.19	307.24	ARG	CORE	0.007	0.002
44318	307.24	310.29	ARG	CORE	0.010	0.003
44319	310.29	313.33	ARG	CORE	0.010	0.004
44320	310.29	313.33		DUPLICATE	0.018	0.008
44321	313.33	316.38	ARG	CORE	0.009	0.002
44322	316.38	319.43	ARG	CORE	0.011	0.003

SAMPLE REPORT

HOLE ID: CH0601

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44323	319.43	322.48	ARG	CORE	0.012	0.007
44324	322.48	325.53	ARG	CORE	0.021	0.007
44325	325.53	328.57	GDIO	CORE	0.020	0.006
44326	328.57	331.62	HLST	CORE	0.038	0.013
44327	331.62	334.67	HLST	CORE	0.013	0.011
44328	334.67	337.72	HLST	CORE	0.014	0.017
44329	337.72	340.76	HLST	CORE	0.024	0.025
44330	340.76	343.81		**MoS-1**	0.011	**0.062**
44331	340.76	343.81	HLST	CORE	0.014	0.023
44332	343.81	346.86	HLST	CORE	0.016	0.034
44333	346.86	349.91	HLST	CORE	0.009	0.009
44334	349.91	352.96	HLST	CORE	0.010	0.013
44335	352.96	356	HLST/DYKE	CORE	0.026	0.017
44336	356	359.05	HLST	CORE	0.017	0.016
44337	359.05	362.1	HLST	CORE	0.013	0.014
44338	362.1	365.15	HLST	CORE	0.024	0.014
44339	365.15	368.2	HLST	CORE	0.017	0.010
44340	365.15	368.2		DUPLICATE	0.026	0.015
44341	368.2	371.25	HLST	CORE	0.017	0.041
44342	371.25	374.29	HLST	CORE	0.021	0.026
44343	374.29	377.34	ADY/HLST	CORE	0.012	0.016
44344	377.34	380.39	HLST	CORE	0.021	0.021
44345	380.39	383.44		BLANK	0.000	0.000
44346	380.39	383.44	HLST	CORE	0.026	0.024
44347	383.44	386.49	HLST	CORE	0.000	0.000
44348	386.49	389.54	HLST	CORE	0.029	0.022
44349	389.54	392.58	HLST	CORE	0.022	0.024
44350	389.54	392.58		**MoS-1**	0.011	**0.065**
44351	392.58	395.63	HLST	CORE	0.019	0.019
44352	395.63	398.68	HLST	CORE	0.024	0.029
44353	398.68	401.73	HLST	CORE	0.032	**0.062**
44354	401.73	404.77	HLST	CORE	0.023	0.037
44355	404.77	407.82	HLST	CORE	0.014	0.013
44356	407.82	410.87	HLST	CORE	0.020	0.037
44357	410.87	413.92	HLST	CORE	0.017	0.043
44358	413.92	416.97	HLST	CORE	0.032	**0.068**
44359	416.97	420.01	HLST	CORE	0.048	**0.059**
44360	416.97	420.01		DUPLICATE	0.074	0.044
44361	420.01	423.06	DYKE	CORE	0.026	0.046
44362	423.06	426.11	DYKE/GDIO	CORE	0.029	**0.065**
44363	426.11	429.16	GDIO	CORE	0.033	**0.051**

SAMPLE REPORT

HOLE ID: CH0601

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44364	429.16	432.21	GDIO/HLST	CORE	0.038	0.035
44365	429.16	432.21		BLANK	0.001	0.000
44366	432.21	435.25	HLST	CORE	0.025	0.042
44367	435.25	438.3	HLST	CORE	0.018	0.024
44368	438.3	441.34	HLST	CORE	0.018	0.032
44369	441.35	444.4	HLST/GDIO	CORE	0.025	0.034
44370	441.35	444.4		**MoS-1**	0.011	**0.061**
44371	444.4	447.45	GDIO	CORE	0.024	0.022
44372	447.45	450.49	GDIO	CORE	0.026	**0.063**
44373	450.49	453.54	GDIO	CORE	0.047	0.021
44374	453.54	456.59	GDIO	CORE	0.036	0.024
44375	456.59	459.64	HSLT	CORE	0.018	**0.051**
44376	459.64	462.69	HSLT	CORE	0.022	0.044
44377	462.69	465.73	HSLT	CORE	0.027	**0.054**
44378	465.73	468.78	HSLT	CORE	0.026	0.024
44379	468.78	471.83	HSLT	CORE	0.029	0.026
44380	468.78	471.83		DUPLICATE	0.051	0.023
44381	471.83	474.88	GDIO	CORE	0.028	0.029
44382	474.88	477.93	GDIO	CORE	0.016	0.031
44383	477.93	480.97	GDIO	CORE	0.013	0.017
44384	480.97	484.02	GDIO	CORE	0.019	0.011
44385	480.97	484.02		BLANK	0.000	0.000
44386	484.02	487.07	GDIO	CORE	0.019	0.014
44387	487.07	490.12	GDIO	CORE	0.027	0.013
44388	490.12	493.16	GDIO	CORE	0.030	**0.063**
44389	493.16	496.21	GDIO	CORE	0.053	**0.068**
44390	493.16	496.21		**MoS-1**	0.010	**0.063**
44391	496.21	499.26	GDIO	CORE	0.031	0.032
44392	499.26	502.31	HSLT/GDIO	CORE	0.061	**0.063**
44393	502.31	505.36	GDIO	CORE	0.014	0.006
44394	505.36	508.41	GDIO	CORE	0.050	0.029
44395	508.41	511.45	GDIO	CORE	0.029	0.036
44396	511.45	514.5	GDIO	CORE	0.028	0.027
44397	514.5	517.55	GDIO	CORE	0.038	0.026
44398	517.55	520.6	GDIO	CORE	0.037	0.042
44399	520.6	523.65	GDIO	CORE	0.058	**0.065**
44400	520.6	523.65		DUPLICATE	0.068	**0.136**
44401	523.65	526.69	HSLT	CORE	0.048	**0.100**
44402	526.69	529.74	HSLT/MZON	CORE	0.047	**0.129**
44403	529.74	532.79	MZON	CORE	0.075	0.039
44404	532.79	535.84	MZON	CORE	0.082	**0.077**

SAMPLE REPORT

HOLE ID: CH0601

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
44405	532.79	535.84		BLANK	0.001	0.000
44406	535.84	538.89	MZON	CORE	0.053	**0.136**
44407	538.89	541.93	MZON	CORE	0.091	**0.081**
44408	541.93	544.98	MZON	CORE	0.082	**0.077**
44409	544.98	548.03	MZON	CORE	0.040	**0.071**
44410	544.98	548.03		**MoS-1**	0.011	**0.061**
44411	548.03	551.08	MZON	CORE	0.066	**0.128**
44412	551.08	554.13	MZON	CORE	0.056	**0.113**
44413	554.13	557.17	MZON	CORE	0.070	**0.098**
44414	557.17	560.22	MZON	CORE	0.052	**0.072**
44415	560.22	563.27	MZON	CORE	0.064	**0.105**
44416	563.27	566.32	MZON	CORE	0.068	**0.064**
44417	566.32	569.37	MZON	CORE	0.068	**0.138**
44418	569.37	572.41	MZON	CORE	0.110	**0.128**
44419	572.41	575.46	MZON	CORE	0.186	**0.118**
44420	572.41	575.46		DUPLICATE	0.257	**0.156**
44421	575.46	578.51	MZON	CORE	0.105	**0.177**
44422	578.51	581.56	MZON	CORE	0.080	**0.164**
44423	581.56	584.61	MZON	CORE	0.064	**0.123**
44424	584.61	587.65	HSLT	CORE	0.061	**0.109**
44425	584.61	587.65		BLANK	0.001	0.000
44426	587.65	590.7	HSLT	CORE	0.043	**0.088**
44427	590.7	593.75	HSLT	CORE	0.046	**0.078**
44428	593.75	596.8	HSLT	CORE	0.045	**0.055**
44429	596.8	599.85	HSLT	CORE	0.027	0.042
44430	596.8	599.85		**MoS-1**	0.011	**0.062**
44431	599.85	602.89	HSLT	CORE	0.026	**0.058**
44432	602.89	605.94	HSLT	CORE	0.028	0.050
44433	605.94	609.6	HSLT	CORE	0.027	0.039

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0607

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45381	6.1	8.23	AND	CORE	0.030	0.02
45382	8.23	11.28	AND	CORE	0.020	0.012
45383	11.28	14.33	AND	CORE	0.010	0.013
45384	14.33	17.37	AND	CORE	0.020	0.015
45385	17.37	20.42	AND	CORE	0.050	**0.102**
45386	20.42	23.47	AND	CORE	0.030	0.007
45387	23.47	26.52	AND	CORE	0.030	0.002
45388	26.52	29.57	AND	CORE	0.030	0.008
45389	29.57	32.61	AND	CORE	0.040	0.033
45390	32.61	32.61	AND	**MoS-1**	0.010	**0.064**
45391	32.61	35.66	AND	CORE	0.020	0.043
45392	35.66	38.71	AND	CORE	0.020	0.04
45393	38.71	40.14	AND	CORE	0.020	**0.055**
45394	40.14	41.14	GDIO	CORE	0.020	0.006
45395	41.14	41.76	AND	CORE	0.060	0.014
45396	41.76	41.76	AND	BLANK	0.000	0
45397	41.76	44.81	AND	CORE	0.050	0.015
45398	44.81	45.77	GDIO	CORE	0.050	**0.141**
45399	45.77	46.4	AND	CORE	0.030	0.014
45400	46.4	46.4	GDIO	DUPLICATE	0.110	0.024
45401	46.4	48.79	GDIO	CORE	0.020	0.001
45402	48.79	50.9	AND	CORE	0.020	0.006
45403	50.9	53.95	AND	CORE	0.020	0.014
45404	53.95	56.1	AND	CORE	0.020	0.018
45405	56.1	56.1	AND	BLANK	0.000	0
45406	56.1	56.92	GDIO	CORE	0.030	0.008
45407	56.92	59.42	GDIO	CORE	0.030	0.032
45408	59.42	61	GDIO	CORE	0.000	0.001
45409	61	63.09	GDIO	CORE	0.010	0
45410	63.09	63.09	GDIO	**MoS-1**	0.010	**0.065**
45411	63.09	66.14	GDIO	CORE	0.000	0
45412	66.14	69.19	GDIO	CORE	0.000	0
45413	69.19	72.24	GDIO	CORE	0.000	0
45414	72.24	75.29	GDIO	CORE	0.000	0
45415	75.29	78.5	GDIO	CORE	0.000	0.001
45416	78.5	80.3	AND	CORE	0.030	0.042
45417	80.3	82.96	GDIO	CORE	0.000	0
45418	82.96	85.3	GDIO	CORE	0.000	0
45419	85.3	87.48	AND	CORE	0.050	0.017
45420	85.3	87.48	AND	DUPLICATE	0.040	0.016
45421	87.48	90.11	AND	CORE	0.050	0.031
45422	90.11	90.53	AND	CORE	0.050	**0.355**
45423	90.53	93.05	AND	CORE	0.030	0.015
45424	93.05	95.58	QFP	CORE	0.000	0.001
45425	95.58	95.58	QFP	BLANK	0.000	0
45426	95.58	96.23	QFP	CORE	0.040	0.004
45427	96.23	99	QFP	CORE	0.010	0
45428	99	100.01	QFP	CORE	0.020	0.003
45429	100.01	102.72	AND	CORE	0.050	0.033
45430	102.72	102.72	AND	**MoS-1**	0.010	**0.063**

SAMPLE REPORT

HOLE ID: CH0607

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45431	102.72	105.77	AND	CORE	0.040	0.019
45432	105.77	108.81	AND	CORE	0.050	0.049
45433	108.81	111.86	AND	CORE	0.030	0.013
45434	111.86	114.91	AND	CORE	0.040	0.013
45435	114.91	115.61	AND	CORE	0.030	**0.183**
45436	115.61	117.96	AND	CORE	0.020	0.003
45437	117.96	118.66	AND	CORE	0.020	0.011
45438	118.66	121	AND	CORE	0.020	0.019
45439	121	124.05	AND	CORE	0.030	0.014
45440	121	124.05	AND	DUPLICATE	0.040	0.024
45441	124.05	127.1	AND	CORE	0.050	0.043
45442	127.1	130.15	AND	CORE	0.020	**0.07**
45443	130.15	132.22	AND	CORE	0.020	0.017
45444	132.22	134.06	AND	CORE	0.040	0.023
45445	134.06	134.06	AND	BLANK	0.000	0
45446	134.06	136.25	AND	CORE	0.060	**0.059**
45447	136.25	139.29	AND	CORE	0.080	0.023
45448	139.29	141	AND	CORE	0.060	0.037
45449	141	141.38	AND	CORE	0.040	0.031
45450	141.38	141.38	AND	**MoS-1**	0.010	**0.061**
45451	141.38	143.79	AND	CORE	0.050	0.021
45452	143.79	145.39	AND	CORE	0.040	0.018
45453	145.39	148.44	AND	CORE	0.040	0.019
45454	148.44	150.41	AND	CORE	0.060	0.016
45455	150.41	152.23	AND	CORE	0.040	0.039
45456	152.23	154.88	AND	CORE	0.050	**0.096**
45457	154.88	157	GDIO	CORE	0.010	0.002
45458	157	158.26	GDIO	CORE	0.010	0.001
45459	158.26	160.52	AND	CORE	0.070	0.049
45460	158.26	160.52	AND	DUPLICATE	0.090	0.045
45461	160.52	161.86	AND	CORE	0.060	**0.052**
45462	161.86	163	AND	CORE	0.050	0.043
45463	163	164	AND	CORE	0.040	0.018
45464	164	166.73	AND	CORE	0.060	0.048
45465	166.73	166.73	AND	BLANK	0.000	0
45466	166.73	169.77	AND	CORE	0.050	0.022
45467	169.77	172.58	AND	CORE	0.040	0.031
45468	172.58	174.4	AND	CORE	0.060	0.024
45469	174.4	176	GDIO	CORE	0.000	0
45470	176	176	GDIO	**MoS-1**	0.010	**0.062**
45471	176	178.61	GDIO	CORE	0.000	0.001
45472	178.61	180.6	AND	CORE	0.050	0.022
45473	180.6	181.4	AND	CORE	0.060	**0.262**
45474	181.4	183.09	AND	CORE	0.020	0.03
45475	183.09	186.11	AND	CORE	0.020	0.049
45476	186.11	188.06	AND	CORE	0.020	0.013
45477	188.06	191.11	GDIO	CORE	0.000	0
45478	191.11	192.17	GDIO	CORE	0.000	0.001
45479	192.17	193.1	AND	CORE	0.010	0.019
45480	192.17	193.1	AND	DUPLICATE	0.020	0.026
45481	193.1	196.1	AND	CORE	0.010	0.043
45482	196.1	198.06	AND	CORE	0.010	**0.081**

SAMPLE REPORT

HOLE ID: CH0607

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45483	198.06	200.06	GDIO	CORE	0.010	0.006
45484	200.06	201.31	GDIO	CORE	0.000	0
45485	201.31	201.31	GDIO	BLANK	0.000	0
45486	201.31	204.31	AND	CORE	0.010	0.023
45487	204.31	206.1	AND	CORE	0.020	0.025
45488	206.1	209.1	AND	CORE	0.030	**0.053**
45489	209.1	212	AND	CORE	0.010	0.029
45490	212	212	AND	**MoS-1**	0.010	**0.064**
45491	212	215	AND	CORE	0.010	**0.057**
45492	215	218	AND	CORE	0.010	0.034
45493	218	220.33	AND	CORE	0.000	0.033
45494	220.33	223.33	AND	CORE	0.000	0.007
45495	223.33	225.4	AND	CORE	0.000	0.004
45496	225.4	227.52	AND	CORE	0.000	0.015
45497	227.52	230.52	AND	CORE	0.010	0.022
45498	230.52	232.65	AND	CORE	0.000	0.006
45499	232.65	234.17	AND	CORE	0.020	0.029
45500	232.65	234.17	AND	DUPLICATE	0.030	0.034
45501	234.17	236.15	AND	CORE	0.050	0.006
45502	236.15	239.09	GDIO	CORE	0.000	0
45503	239.09	239.8	GDIO	CORE	0.000	0
45504	239.8	240.32	GDIO	CORE	0.010	0
45505	240.32	240.32	GDIO	BLANK	0.000	0
45506	240.32	243.26	GDIO	CORE	0.000	0
45507	243.26	245.97	AND	CORE	0.010	0.017
45508	245.97	247.34	AND	CORE	0.010	0.016
45509	247.34	250.24	AND	CORE	0.090	0.019
45510	250.24	250.24	AND	**MoS-1**	0.010	**0.064**
45511	250.24	250.65	AND	CORE	0.010	0.044
45512	250.65	252.07	AND	CORE	0.060	0.037
45513	252.07	254.98	AND	CORE	0.050	**0.054**
45514	254.98	255.37	AND	CORE	0.100	**0.054**
45515	255.37	256.17	AND	CORE	0.050	0.022
45516	256.17	256.65	AND	CORE	0.110	0.019
45517	256.65	258.17	AND	CORE	0.060	0.008
45518	258.17	261.21	AND	CORE	0.070	0.021
45519	261.21	264.26	AND	CORE	0.110	0.022
45520	261.21	264.26	AND	DUPLICATE	0.100	0.022
45521	264.26	267.31	AND	CORE	0.090	0.017
45522	267.31	270.06	AND	CORE	0.090	0.01
45523	270.06	271.53	AND	CORE	0.060	0.029
45524	271.53	273.41	AND	CORE	0.060	**0.07**
45525	273.41	273.41	AND	BLANK	0.000	0
45526	273.41	276.45	AND	CORE	0.090	0.03
45527	276.45	279.5	AND	CORE	0.050	0.022
45528	279.5	282.55	AND	CORE	0.040	0.041
45529	282.55	285.6	AND	CORE	0.060	0.009
45530	285.6	285.6	AND	**MoS-1**	0.010	**0.065**
45531	285.6	287.13	AND	CORE	0.070	0.018
45532	287.13	288.65	HSLT	CORE	0.050	0.022
45533	288.65	291.69	HSLT	CORE	0.030	0.013
45534	291.69	294.74	HSLT	CORE	0.040	0.012

SAMPLE REPORT

HOLE ID: CH0607

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45535	294.74	297.79	HSLT	CORE	0.020	0.021
45536	297.79	300.84	HSLT	CORE	0.020	0.027
45537	300.84	303.89	HSLT	CORE	0.020	0.014
45538	303.89	306.93	HSLT	CORE	0.030	**0.051**
45539	306.93	309.49	HSLT	CORE	0.030	0.047
45540	306.93	309.49	HSLT	DUPLICATE	0.000	0.001
45541	309.49	309.98	QFP	CORE	0.000	0.001
45542	309.98	313.03	QFP	CORE	0.000	0.001
45543	313.03	316.08	QFP	CORE	0.000	0
45544	316.08	316.84	QFP	CORE	0.000	0.001
45545	316.84	316.84	QFP	BLANK	0.000	0
45546	316.84	319.75	HSLT	CORE	0.020	0.036
45547	319.75	322.17	HSLT	CORE	0.020	0.017
45548	322.17	323.97	HSLT	CORE	0.040	0.017
45549	323.97	327	HSLT	CORE	0.040	0.03
45550	327	327	HSLT	**MoS-1**	0.010	**0.061**
45551	327	330.04	HSLT	CORE	0.040	0.017
45552	330.04	331	HSLT	CORE	0.020	**0.098**
45553	331	334	HSLT	CORE	0.020	**0.08**
45554	334	336.5	HSLT	CORE	0.030	0.007
45555	336.5	339	HSLT	CORE	0.020	0.011
45556	339	340.46	HSLT	CORE	0.020	0.009
45557	340.46	343.51	HSLT	CORE	0.020	0.013
45558	343.51	346.56	HSLT	CORE	0.020	0.024
45559	346.56	349.61	HSLT	CORE	0.030	0.012
45560	346.56	349.61	HSLT	DUPLICATE	0.030	0.037
45561	349.61	352.65	HSLT	CORE	0.020	0.009
45562	352.65	355.7	HSLT	CORE	0.020	0.021
45563	355.7	358.75	HSLT	CORE	0.010	0.02
45564	358.75	361.8	HSLT	CORE	0.020	0.016
45565	361.8	361.8	HSLT	BLANK	0.000	0
45566	361.8	364.66	HSLT	CORE	0.020	0.026
45567	364.66	367	GDIO	CORE	0.000	0
45568	367	370	GDIO	CORE	0.000	0
45569	370	373	GDIO	CORE	0.000	0
45570	373	373	GDIO	**MoS-1**	0.010	**0.064**
45571	373	376	GDIO	CORE	0.000	0
45572	376	377.63	GDIO	CORE	0.000	0
45573	377.63	378.72	GDIO	CORE	0.000	0
45574	378.72	380.09	GDIO	CORE	0.010	0
45575	380.09	382.22	GDIO	CORE	0.000	0
45576	382.22	385.15	AND	CORE	0.040	0.017
45577	385.15	386.78	AND	CORE	0.030	0.014
45578	386.78	387.38	AND	CORE	0.010	**0.079**
45579	387.38	388.3	AND	CORE	0.010	**0.051**
45580	387.38	388.3	AND	DUPLICATE	0.020	0.027
45581	388.3	389.23	AND	CORE	0.020	0.01
45582	389.23	392.02	AND	CORE	0.030	0.009
45583	392.02	392.51	GDIO	CORE	0.030	0.002
45584	392.51	395.33	GDIO	CORE	0.000	0
45585	396.5	396.5	GDIO	BLANK	0.000	0
45586	396.5	398.7	GDIO	CORE	0.000	0

SAMPLE REPORT

HOLE ID: CH0607

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45587	398.7	401.42	GDIO	CORE	0.000	0
45588	401.42	404.47	GDIO	CORE	0.000	0
45589	404.47	407.52	GDIO	CORE	0.000	0
45590	407.52	407.52	GDIO	**MoS-1**	0.010	**0.064**
45591	407.52	410.57	GDIO	CORE	0.000	0
45592	410.57	413.61	GDIO	CORE	0.000	0
45593	413.61	416.66	GDIO	CORE	0.000	0
45594	416.66	419.71	GDIO	CORE	0.000	0
45595	419.71	422.76	GDIO	CORE	0.000	0
45596	422.76	425.81	GDIO	CORE	0.000	0
45597	425.81	428.85	GDIO	CORE	0.000	0
45598	428.85	431.9	GDIO	CORE	0.000	0
45599	395.33	396.5	GDIO	CORE	0.000	0
45600	395.33	396.5	GDIO	DUPLICATE	0.000	0

Signature: ____________________

Initials: ________

CH0609

From	To	Litho
0.00	6.10	OB

Length of casing

STRUCTURES				
From	To	Struct	CA	Strain
0.00	6.10			

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
6.10	36.82	ARG

The drillhole collared into a fine grained, weakly bedded black argillite. The core is moderate fractured throughout with a fault intersected at 23.40m. The core becomes extremely broken and fractured within this fault btwn 23.40 - 28.00m. The core pieces that are intact are cemented together with carbonate material. The argillite continues to exhibit fracturing through to its lower contact with limonite staining from 23.40 - 36.82m. Veining is this interval is very weak with mm scale boudined Qz veins observed parallel bedding and mm veinlets of calcite veins throughout. Mineralization is also very weak with minor veinlets of pyrite and weak moly observed as selvages to the boudined Qz veins.

STRUCTURES				
From	To	Struct	CA	Strain
6.10	23.40	BDG	35	

weak bedding observed throughout; though no topping direction identified; moderately broken up core

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
6.10	36.82	-	-	-	W	-	-	-	W	-	S			

black argillite with minor silica alteration and weak carbonate alteration

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
6.10	36.82	1	70	0	30		

very weak veining t/o; dominant qtz vein is the bedding parallel boudined vein with mm scale calcite veinlets anastomosing t/o core

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
6.10	36.82	0.5	VLT	MO	0.05				

very weak presence of pyrite within fractures and as airline veinlets parallel bedding; Moly observed within selvages of minor boudined qtz veining

From	To	Litho
6.10	36.82	ARG

(Continued from previous page)

STRUCTURES					ALTERATION														VEINS								MINERALIZATION									
From	To	Struct	CA	Strain	From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER	From	To	Vn%	QZ%	Feld%	CC%	V/m	CA	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
23.40	28.00	FLT		M																																	
a lengthy fault zone of competent argillite pieces, strongly broken up and rubbly with rusty coating throughout; upper and lower contacts hard to distinguish																																				
28.00	36.81	FR		M																																	
competent argillite with an abundance of hairline fractures and broken core bits; heavy rust staining throughout																																				
36.81	36.82	CON	30																																		
sharp lower contact																																				

From	To	Litho
36.82	71.05	GDIO

A lengthy interval of fine grained, competent, moderately to strongly chlorite and sericite altered granodiorite dyke with sharp upper and lower contacts.

STRUCTURES					ALTERATION														VEINS								MINERALIZATION									
From	To	Struct	CA	Strain	From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER	From	To	Vn%	QZ%	Feld%	CC%	V/m	CA	From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
36.82	36.83	CON	30																																		
sharp upper contact																																				

From	To	Litho
36.82	71.05	GDIO

A lengthy interval of fine grained, competent, moderately to strongly chlorite and sericite altered granodiorite dyke with sharp upper and lower contacts.

STRUCTURES

From	To	Struct	CA	Strain
36.83	71.04	MASS		
71.04	71.05	CON	10	

massive moderately to strongly altered granodiorite dyke with what appears to be foliation, but may very well be alteration staining providing this fabric

sharp lower contact shallow t.c.a.

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
36.82	71.05	-	-	M	-	-	-	M	W	-				M

the dyke is moderately to strongly altered with chlorite and sericite t/o its length

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
36.82	71.05	0	0	0	0	0	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
36.82	71.05	0.5	DISS						

weakly disseminated pyrite t/o

From	To	Litho
71.05	112.00	HSLT

Fault zone with fragile hornfelsed silstone & transitional zones to argillite, weak Qz VNs, fine grined DI PY, moderate gouge.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

 Initials: ________

From	To	Litho
71.05	112.00	HSLT

Fault zone with fragile hornfelsed silstone & transitional zones to argillite, weak Qz VNs, fine grined DI PY, moderate gouge.

STRUCTURES

From	To	Struct	CA	Strain
71.05	71.06	CON	10	
sharp upper contact				
71.06	90.00	FOL	30	W
weak to locally oderate strain foliation				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
71.05	85.00	-	-	VW	M	-	-	-	-	-	M			
hornfelsed biotite and silica altered metasiltstone with very weak chlorite alteration patchy t/o														
85.00	99.80	-	M	M	-	-	-	-	M	-			VW	
moderately to strongly chlorite altered fault zone with pervasive calcite alteration throughout														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
71.05	112.00	0.5	98	0	2		
veining in this interval is poor; very weak veininng in the hornfelsed portion of the interval with rare vedining broken up within the faulted portions of the interval							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
71.05	89.50	0.5	VLT	MO	0.01				
very weak pyrite in veinlets parallel foliation with rare moly observed as selvages to rare veining									

From	To	Litho
71.05	112.00	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
90.00	94.80	BX		S
moderate to strongly brecciated core above the fault; strong alteration as well				
94.80	99.70	FLT		VS
very strongly faulted, gouge filled rubble zone fault; poor core recovery throughout				
99.70	102.72	BX	40	S
strongly brecciated rocks with moderate foliation t/o				
102.72	112.00	FLT		VS
very strongly altered and faulted brecciated rocks				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
99.80	105.77	-	-	W	W	-	-	-	W	-	M			
hornfelsed pieces of broken core with weak to moderate chlorite alteration patchy t/o														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
89.50	112.00	1.5	DISS	MO	0.01				
pyrite increases and becomes observed as FG disseminated pyrite t/o; moly is observed rarely in assocation with broken up veins pieces									

From	To	Litho
71.05	112.00	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
105.77	112.00	-	M	M	-	-	-	-	M	-			VW	

moderately to strongly chlorite altered fault zone with pervasive calcite alteration throughout

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
112.00	151.70	HSLT

Fault zone with fragile hornfield siltstone, argillite & metasediments. Broken core (>60%) with CA & Chl schist on fracture. Veining is poor in this interval. Partially the core washed out. Gouge filled rubble zone fault; poor core recovery. Weak Qz-PY-MO VNs & PY BB. From 123.5m to 124.05m dispersed Qz-PY-MO VN 14mm , 10 tca. @130.34m brecciated 11mm Qz-MO VN, 5 tca. From 137.7m to 138.9m partially brecciaed core (dolomite, argillite & siltstone), hornfelsed pieces of broken core with weak to moderate chlorite alteration.

STRUCTURES

From	To	Struct	CA	Strain
112.00	151.70	FLT	50	VW

faulted brecciated rocks with 5% of gouge

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
112.00	151.70	-	M	M	-	-	-	-	M	-			M	

moderately to strongly chlorite altered fault

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
112.00	151.70	2	15		2	0.3	10

veining in this interval is poor

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
112.00	151.70	1	VLT	PY	0.5	MO	0.01		

weak MO in Qz VNs

From	To	Litho
151.70	176.00	HSLT

From dark reddish to black hornfelsed siltstone with biotite and weak silica altn & very weak CA altn; broken core (~15%) with chlorite schist on fracture. Qz-MO-PY veining in this interval is poor. AB strs are present. From 154.73 to 155.32m contorted 26mm Qz-PY VN, 10 tca. @167.9m dispersed 50mm BIO-PY-Chl VN, 40 tca. @168.9-169.13m gouge filled rubble zone fault.

STRUCTURES

From	To	Struct	CA	Strain
151.70	176.00	BDG	50	W

faulted, gouge filled rubble zone

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
151.70	176.00	-	M	W	M	-	-	-	M	-	M		W	

cilica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
151.70	176.00	0.2	5		2	0.1	40

random Qz-PY VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
151.70	176.00	0.5	VLT						

PY BB & strs

From	To	Litho
176.00	193.20	HSLT

Hornfeld siltstone with broken core (~15-20%). Minor dolomite zones, moderate BIO & Chl altn, random narrow AB & Qz-PY +/-MO VNs, CA throughout the core.

STRUCTURES

From	To	Struct	CA	Strain
176.00	193.20	BDG		M

weak bedding observed throughout

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
176.00	193.20	-	-	M	W	-	-	-	M	-	M	M	M	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
176.00	193.20	0.2	40	30	2	0.2	

random narrow Qz-PY +/-MO VNs & narrow AB VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
176.00	193.20	1	DISS	MO	0.01				

weak MO present

From	To	Litho
193.20	216.50	HSLT

Fragile hornfelsed siltstone with dolomite; narrow contorted Qz-MO VNs (0.1% MO) & CA strs, broken core (~30%), BIO & PY BB on fracture. At 196.26m distorted 12mm Qz-PY-MO VN, 50 tca. Below 197.0m narrow contorted Qz-PY-MO VNs (two VNs per meter) with weak bedding are observed. From 201.5m to 206.8m broken core (fragments) with partially recciated core. From 206.8m to 211.27m brown hornfelsed siltstone mottled by narrow Qz-PY-MO strs in bedding direction. At 206.85m presence of 20mm Qz-PY-MO VN, 50 tca that crossed cut by another 10m Qz-PY-MO VN, 40 tca. At 211.27m location of 43cm granodiorite zone. From 211.70m to 216.5m dark-brown siltstone with weak Chl altn & Qz-PY-MO VNs & CA strs, 40% of broken core; BIO & PY blotches on fracture. At 212.45m presence of 14m Qz-Chl-PY-MO, 80 tca crossed cut by another 10mm Qz-PY-MO VN 35 tca. Qz-PY-MO VN (16mm, 40 tca) is located at the depth 214.42m with subparallel 10mm Qz-PY-MO VN. At 215.4m solid 16mm Qz-PY-MO VN, 35 tca.

STRUCTURES

From	To	Struct	CA	Strain
193.20	216.50	BDG	50	W

fragile core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
193.20	216.50	-	-	W	VW	-	VW	-	M	-	M	VW	M	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
193.20	216.50	2	6	5	3	2	40

narrow contorted Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
193.20	216.50	1	FG	MO	0.1				

~0.1% MO

From	To	Litho
216.50	230.72	GDIO

From light grey to greenish granodiorite with moderatly faulted sequence, coarse granular texture, random Qz-MO VNs, medium grained DI PY, narrow Qz-MO VNs & traces of MO throughout the core with very week EPI altn. From 218.7m to 220.56m broken core with CA & DI PY on fracture. @220.0m solid 24mm Qz-PY-MO VN, 25 tca. @222.22m solid 14mm Qz-PY-MO VN, 20 tca crossed cut by another 24mm Qz-PY-MO VN, 50 tca. @224.3m pink Qz-PY-MO VN, 35 tca. @225.56m is 22mm Qz-PY-MO VN, 25 tca. @226.76m solid 22mm Qz-PY-MO VN, 60 tca.

STRUCTURES

From	To	Struct	CA	Strain
216.50	230.72	MASS		M

massive moderately to week altered granodiorite dyke

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
216.50	230.72	-	-	-	W	-	W	-	M	VW	M	S	M	

week EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
216.50	230.72	6	50	30	2	2	

narrow Qz-MO VN (2-3 VN/m)

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
216.50	230.72	2	DISS	MO	0.1				

MO present in narrow Qz VNs strs approx 0.1%

From	To	Litho
230.72	**243.28**	**GDIO**

From light grey to greenish granodiorite dyke, moderatly faulted sequence, coarse granular texture, network of moderate pink Qz-MO VNs & strs, medium grained DI PY, narrow Qz-MO VNs & traces of MO throughout the core. From 232.67m to 232.84m broken core, fractures. From 234.1m to 234.5m gouge. @236.2m pink 22mm Qz-PY-MO VNs, 25 tca. @238.3m solid 30mm pink Qz-MO VN, 75 tca. Beolow 283.35m tiny MO strs are present thoughout the core. @243.78m distorted 16mm Qz-PY-MO VN, 85 tca.

STRUCTURES

From	To	Struct	CA	Strain
230.72	243.28	MAS S		M

4-6 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
230.72	243.28	-	-	VW	W	-	-	-	M	VW	M	S	W	

moderate BIO, CA & weak Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
230.72	243.28	1	45	30	2	1	

very narrow Qz VNs in different orient

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
230.72	243.28	1	DISS	MO	0.1				

tiny MO strs present

From	To	Litho
243.28	**250.52**	**HSLT**

Fine grained from dark-reddish to black hornfelsed siltstone with interbedded narrow granodiorite zones; biotite and weak silica altered with CA strs. Pink Qz veining & abundant Qz strs presence in this interval. @244.0-244.7m coarse-grained granodiorite with breccia & pink Qz VNs (upper & lower contacts =10 tca). @245.94m knot of pink (1cm) Qz-PY-MO VNs & strs. @246.12m knot of pink (12-14mm) Qz-PY-MO VNs & strs, 75 tca. @246.52-247.17m coarse-grained granidiorite with white feldspar (mottled by CA-Chl strs) with 6cm lense of pink Qz VN; upper & lower contacts =50 tca. @247.88m knot contorted 12mm pink Qz-PY-MO VNs & strs (no orient).@248.07-248.35m granidiorite with white feldspar; cont =35 tca. @248.64m pink 18mm Qz-PY-MO VN, 35 tca. @250.2m breccia (8cm thickness) with 12mm pink Qz-PY-MO VN, 35 tca.

STRUCTURES

From	To	Struct	CA	Strain
243.28	250.52	BDG	50	M

partially broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
243.28	250.52	-	VW	M	W	-	W	-	M	VW	M	W	M	

mod BIO & weak Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
243.28	250.52	3	20	25	2	2	35

stockwork narrow pink qz veins 7 network of strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
243.28	250.52	2	VLT	MO	0.15				

up to 0.15% MO

From	To	Litho
250.52	260.60	HSLT

Fine grained from dark-reddish to black hornfelsed siltstone with interbedded narrow granodiorite zones; strong biotite with CA strs, weak silica & very weak EPI altered; CA & Chl on joints, pink Qz veining with network of abundant Qz strs in this interval, random narrow (<16cm) granodiorite zones. @250.78m pink 12mm Qz-PY-MO VN, 30 tca. @254.84m sausage shaped 18mm Qz-PY-MO VN, 40 tca with banch of subparallel strs. @252.97m is 11mm Qz-PY-MO VN, 70 tca. @254.46m granodiorite zone (14cm) with contact =55 tca. @255.42m is 16cm granodiorite (cont =75 tca) with pink 21mm Qz-PY-MO VN, 35 tca. @256.16m pink 14mm Qz-PY-MO VN, 40 tca. @257.57m granodiorite zone (14cm thickness) with contact @35 tca. @258.74m pink 21mm Qz-PY-MO VN, 85 tca offset by Qz-PY-MO strs, 45 tca. @259.05m granodiorite (9cm) with contact =45 tca.

STRUCTURES

From	To	Struct	CA	Strain
250.52	260.60	BDG	45	M

5% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
250.52	260.60	-	VW	W	W	-	-	-	M	VW	M	W	M	

mod BIO, CA & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
250.52	260.60	5	10	6	2	2	50

abundant Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
250.52	260.60	2	VLT	MO	0.1				

~0.1% MO

From	To	Litho
260.60	267.10	HSLT

Fine grained black hornfelsed siltstone motlled by narrow pink Qz-PY+/-MO VNs & strs, strong BIO & CA altn, weak Chl altn. From 260.5-262.18m broken core (as a result of strong CA altn). @262.3m is 13mm Qz-PY-MO VN, 80 tca. @ 262.7m pink 18mm Qz-PY-MO VN, 25 tca. @264.0m pink 16mm Qz-PY-MO VN, 25 tca. @265.5m pink 14mm Qz-PY-MO VN, 60 tca. @266.66m knot narrow Qz-PY-MO VNs, no orient. From 266.66m to 267.31m broken core.

STRUCTURES

From	To	Struct	CA	Strain
260.60	267.10	BDG		M

fragile hornfelsed siltstone with fault zone

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
260.60	267.10	-	VW	W	W	-	-	-	M	VW	M	VW	M	

very weak EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
260.60	267.10	2	6	2	3	2	50

core motlled by Qz-PY +/-MO narrow VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
260.60	267.10	2	DISS	MO	0.1				

Mo present in tiny Qz-MO strs

From	To	Litho
267.10	283.24	GDIO

Light grey to greenish granodiorite with minor siltstone zones & partially faulted sequence, coarse granular texture, fine grained DI PY, narrow contorted pink Qz +/-MO VNs & traces of MO throughout the core; significant CA & moderate Chl altn. @269.57m pink 28mm Qz-PY VN, 50 tca. From 271.0m to 271.42m siltstone with network narrow Qz-PY-MO VNs/strs. @272.23-272.82m brown siltstone with Qz-PY-MO VNs/strs, sharp contacts =60 & 70 tca. @273.0-173.51m broken core, CA on fracture. @281.98m pink 24mm Qz-PY-MO VN, 30 tca. @282.2-282.2m two parallel 16mm Qz-PY-MO-Cpy VNs, 45 tca. From 283.27m to 285.6m blackish siltstone mottlled by nerrow Qz-PY-MO VNs/strs with CA on fracture, upper contact =35 tca.

STRUCTURES

From	To	Struct	CA	Strain
267.10	283.24	MASS		M

6-7% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
267.10	283.24	-	VW	M	-	-	W	-	M	-	M	M	M	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
267.10	283.24	3	45	35	2	2	

narrow contorted Qz-PY-MO VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
267.10	283.24	2	VLT	MO	0.1				

MO up to 0.1%

From	To	Litho
283.24	291.00	GDIO

Fragile granodiorite with pink Qz-PY-MO VNs. From 285.6m fault zone (~65% boken core) & significant CA alteration, Qz-MO VNs observed on fracture. @285.82m contorted 22mm Qz-PY-MO VN, 65 tca. @288.0m pink Qz-PY-MO VN, 40 tca. From 288.65m to 290.06m honfelsed siltstone with stockwork Qz-MO VNs & abundant strs. @289.58m knot narrow contorted Qz-PY-MO VN in diff. orient.

STRUCTURES

From	To	Struct	CA	Strain
283.24	291.00	MASS		W

fault zone, >65% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
283.24	291.00	-	VW	M	W	-	-	-	M	-	M	M	M	

strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
283.24	291.00	4	25	20	4	2	

2-3 VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
283.24	291.00	2	DISS	MO	0.1				

MO present in Qz VNs & throughout the core

 Initials: ________

From	To	Litho
291.00	304.00	HSLT

Fine grained from dark-redish to almost black hornfelsed siltstone motlled by pink Qz-PY +/-MO narrow VNs & strs; strong BIO & CA altn, moderate Chl altn. @292.38- 292.76m greenish granodiorite with reticulated network Qz+/-MO VNs (upper cont. =50 tca). @292.98-293.32m distorted pink 30mm Qz-PY-MO-CA-EPI VN, 40 tca with 14mm Qz-MO VN (35 tca) radiating from the main VN. @293.64m pink 11mm Qz-CA VN, 50 tca. @295.56m trace of distorted 20mm Qz-CA-MO VN. @295.1-296.61m granodiorite with narrow pink Qz-MO VNs & DI PY (contacts =50 tca). @297.19m is 19mm Qz-PY-MO VN, 55 tca. @297.89m boudinaged/sausage-shaped 16mm Qz-PY-MO VN, 80 tca. @298.68m pink 20mm Qz-CA-PY-MO VN, 75 tca. @299.75m knot contorted Qz-PY-MO VNs, no orient. @399.42m dispersed 30mm Qz-PY-MO VN, 40 tca. @399.85m is 17m Qz-PY-MO VN, 50 tca. From 300.33m to 301.29m granodiorte with CA & Chl altn. @301.5m is 12mm Qz-PY-MO VN, 45 tca with abundant Qz-MO strs around. Below 302.28m reticulated network narrow Qz-PY-MO VN in diff. orient. @303.25-304.0m contorted 22mm Qz-PY-MO VN, 10 tca.

STRUCTURES

From	To	Struct	CA	Strain
291.00	303.89	BDG	50	W

fragile core/fault zone with strong CA altn

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
291.00	304.00	-	VW	M	W	-	-	-	M	VW	M	W	M	

very weak EP altn.

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
291.00	304.00	4	20	10	8	3	50

network contorted Qz-MO VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
291.00	304.00	3	DISS	MO	0.15				

~0.15% MO

From	To	Litho
304.00	310.50	HSLT

Fragile fine grained blackish hornfelsed siltstone motlled by narrow pink Qz-PY-MO VNs & strs; strong BIO & CA altn, moderate Chl altn. @304.55-305.22m granodiorite with minor narrow Qz-PY-MO VNs (upper cont =60 tca, lower cont =15 tca). @305.3-305.64m trace of contorted 20mm Qz-PY-MO VN, no orient. @306.13m is 18mm Qz-PY-MO VN, 40 tca. Below 307.53m broken core (fragments) with traces of Qz-PY-MO VNs.

STRUCTURES

From	To	Struct	CA	Strain
304.00	310.50	BDG		W

fault zone with fragile core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
304.00	304.00	-	VW	-	W	-	-	-	S	VW				

strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
304.00	310.50	2	6		4	2	

contorted Qz-PY-MO VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
304.00	310.50	2	MG	MO	0.1				

~0.1% MO present

From	To	Litho
310.50	**331.01**	**HSLT**

Fault zone; very fragile & soft rock with >30% gouge, very strong CA altn, traces of Qz VNs & very weak MO. Drill hole was stopped @331.01m.

STRUCTURES

From	To	Struct	CA	Strain
310.50	331.01	FLT		VW

very strongly faulted with very soft core +gouge & sand

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
310.50	331.01	-	VW	M	-	-	-	-	S	-	W		VW	

strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
310.50	331.01	0.3	1		6	0.2	

traces of Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
310.50	331.01	0.2	DISS	MO	0.01				

traces of Qz VNs with some MO

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0608

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45601	3.05	4.88	ARG	CORE	0.01	0
45602	4.88	7.92	ARG	CORE	0.01	0
45603	7.92	10.97	ARG	CORE	0.01	0
45604	10.97	14.02	ARG	CORE	0.01	0
45605	14.02	14.02	HSLT	BLANK	0	0
45606	14.02	17.07	HSLT	CORE	0.01	0
45607	17.07	20.12	HSLT	CORE	0.02	**0.057**
45608	20.12	23.16	HSLT	CORE	0.03	0.013
45609	23.16	26.21	HSLT	CORE	0.02	0.001
45610	26.21	26.21	HSLT	**MoS-1**	0.01	**0.065**
45611	26.21	29.26	HSLT	CORE	0.02	0.002
45612	29.26	32.31	HSLT	CORE	0.02	0.001
45613	32.31	35.36	HSLT	CORE	0.01	0.006
45614	35.36	38.4	HSLT	CORE	0.02	0.011
45615	38.4	41.45	HSLT	CORE	0.02	0.001
45616	41.45	44.5	HSLT	CORE	0.03	0.003
45617	44.5	47.34	HSLT	CORE	0.01	0.001
45618	47.34	48.65	HSLT	CORE	0.1	0.001
45619	48.65	50.6	HSLT	CORE	0.01	0.001
45620	48.65	50.6	HSLT	DUPLICATE	0.01	0.002
45621	50.6	53.64	HSLT	CORE	0.03	0.001
45622	53.64	56.69	HSLT	CORE	0.02	0.011
45623	56.69	59.74	HSLT	CORE	0.03	0.026
45624	59.74	62.79	HSLT	CORE	0.03	0.039
45625	62.79	62.79	HSLT	BLANK	0	0
45626	62.79	65.84	HSLT	CORE	0.01	0.008
45627	65.84	68.88	HSLT	CORE	0.02	0.02
45628	68.88	71.93	HSLT	CORE	0.01	0.004
45629	71.93	74.98	HSLT	CORE	0.02	0.01
45630	74.98	74.98	HSLT	**MoS-1**	0.01	**0.064**
45631	74.98	78.03	HSLT	CORE	0.04	0.005
45632	78.03	81.08	HSLT	CORE	0.03	0.005
45633	81.08	84.12	HSLT	CORE	0.01	0.002
45634	84.12	87.17	HSLT	CORE	0.02	0.002
45635	87.17	90.22	HSLT	CORE	0.01	0.004
45636	90.22	93.27	HSLT	CORE	0.02	0.016
45637	93.27	96.32	HSLT	CORE	0.02	0.012
45638	96.32	99.36	HSLT	CORE	0.02	0.007
45639	99.36	102.41	HSLT	CORE	0.02	0.006
45640	99.36	102.41	HSLT	DUPLICATE	0.02	0.001
45641	102.41	105.46	HSLT	CORE	0.02	0.002
45642	105.46	108.51	HSLT	CORE	0.03	0.023
45643	108.51	111.56	HSLT	CORE	0.03	0.009
45644	111.56	114.6	HSLT	CORE	0.03	0.009
45645	114.6	114.6	HSLT	BLANK	0	0
45646	114.6	117.65	HSLT	CORE	0.04	0.046
45647	117.65	120.7	HSLT	CORE	0.02	0.015
45648	120.7	123.75	HSLT	CORE	0.02	0.012
45649	123.75	126.8	HSLT	CORE	0.04	0.015
45650	126.8	126.8	HSLT	**MoS-1**	0.01	**0.064**

SAMPLE REPORT

HOLE ID: CH0608

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45651	126.8	129.84	HSLT	CORE	0.03	0.009
45652	129.84	132.84	HSLT	CORE	0.03	0.006
45653	132.84	135.94	HSLT	CORE	0.03	0.015
45654	135.94	138.99	HSLT	CORE	0.01	**0.054**
45655	138.99	142.04	HSLT	CORE	0.05	0.005
45656	142.04	145.08	HSLT	CORE	0.04	0.02
45657	145.08	148.13	HSLT	CORE	0.03	0.009
45658	148.13	151.18	HSLT	CORE	0.03	0.023
45659	151.18	154.23	HSLT	CORE	0.04	0.036
45660	151.18	154.23	HSLT	DUPLICATE	0.05	0.032
45661	154.23	157.28	HSLT	CORE	0.02	0.014
45662	157.28	160.32	HSLT	CORE	0.04	0.023
45663	160.32	163.37	HSLT	CORE	0.03	0.031
45664	163.37	166.42	HSLT	CORE	0.05	0.008
45665	166.42	166.42	HSLT	BLANK	0	0
45666	166.42	169.47	HSLT	CORE	0.03	0.012
45667	169.47	172.52	HSLT	CORE	0.02	0.019
45668	172.52	175.56	HSLT	CORE	0.02	0.018
45669	175.56	178.61	HSLT	CORE	0.04	0.01
45670	178.61	178.61	HSLT	**MoS-1**	0.01	**0.063**
45671	178.61	181.66	HSLT	CORE	0.02	0.018
45672	181.66	184.71	HSLT	CORE	0.04	**0.052**
45673	184.71	187.76	HSLT	CORE	0.03	**0.051**
45674	187.76	190.8	HSLT	CORE	0.07	0.018
45675	190.8	193.85	HSLT	CORE	0.03	0.006
45676	193.85	196.9	HSLT	CORE	0.02	0.043
45677	196.9	199.95	HSLT	CORE	0.02	0.01
45678	199.95	203	HSLT	CORE	0.02	0.025
45679	203	206.04	HSLT	CORE	0.01	0.007
45680	203	206.04	HSLT	DUPLICATE	0.03	0.006
45681	206.04	209.09	HSLT	CORE	0.03	0.009
45682	209.09	212.14	HSLT	CORE	0.02	0.022
45683	212.14	215.19	HSLT	CORE	0.02	0.014
45684	215.19	218.24	HSLT	CORE	0.03	**0.063**
45685	218.24	218.24	HSLT	BLANK	0	0
45686	218.24	221.28	HSLT	CORE	0.02	0.02
45687	221.28	224.33	HSLT	CORE	0	0
45688	224.33	226.5	HSLT	CORE	0.02	0.016
45689	226.5	227.63	DYKE	CORE	0.06	0.006
45690	227.63	227.63	HSLT	**MoS-1**	0.01	**0.064**
45691	227.63	229.9	HSLT	CORE	0.02	0.016
45692	229.9	233.12	HSLT	CORE	0.02	0.012
45693	233.12	235.9	HSLT	CORE	0.01	0.007
45694	235.9	237.67	HSLT	CORE	0.05	0.046
45695	237.67	239.57	HSLT	CORE	0.02	0.004
45696	239.57	242.62	HSLT	CORE	0.02	0.011
45697	242.62	245.67	HSLT	CORE	0.01	0.005
45698	245.67	248.72	HSLT	CORE	0.02	0.029
45699	248.72	251.76	HSLT	CORE	0.03	0.004
45700	248.72	251.76	HSLT	DUPLICATE	0.03	0.006
45701	251.76	254.81	HSLT	CORE	0.03	0.008
45702	254.81	257.46	HSLT	CORE	0.03	**0.085**

SAMPLE REPORT

HOLE ID: CH0608

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45703	257.46	260.27	HSLT	CORE	0.02	**0.096**
45704	260.27	260.91	HSLT	CORE	0.03	0.018
45705	260.91	260.91	HSLT	BLANK	0	0
45706	260.91	263.96	HSLT	CORE	0.05	**0.121**
45707	263.96	267	HSLT	CORE	0.06	**0.147**
45708	267	270.05	HSLT	CORE	0.03	0.05
45709	270.05	273.1	HSLT	CORE	0.06	0.024
45710	273.1	273.1	HSLT	**MoS-1**	0.01	**0.063**
45711	273.1	273.7	HSLT	CORE	0.02	0.034
45712	273.7	276.15	HSLT	CORE	0.02	0.009
45713	276.15	279.2	HSLT	CORE	0.01	0.011
45714	279.2	282.24	HSLT	CORE	0.01	0.004
45715	282.24	285.29	HSLT	CORE	0.02	0.018
45716	285.29	288.34	HSLT	CORE	0.01	0.005
45717	288.34	291.39	HSLT	CORE	0.03	**0.056**
45718	291.39	294.44	HSLT	CORE	0.03	0.012
45719	294.44	297.48	HSLT	CORE	0.03	0.046
45720	294.44	297.48	HSLT	DUPLICATE	0.06	**0.055**
45721	297.48	300.53	HSLT	CORE	0.03	0.003

Signature: ____________

CH0608

Initials: ______

From	To	Litho
0.00	3.05	OB

length of casing

STRUCTURES

From	To	Struct	CA	Strain
0.00	3.05			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
3.05	13.75	ARG

This upper part of the drillhole is a black, very fine grained, weakly bedded argillite. Flame structures are observed in three different areas, suggesting topping direction is downhole. Amygdules, or at least subrounded white inclusions, within the argillite have a distinct size distribution to them, wherebey, in all instances these subrounded inclusions (they do not fizz) get bigger within the bedding as you go down hole. Each instance they are observed, as they are repetitive, they exhibit the same downhole size increase. So, this suggests to me that topping direction is indeed downhole and these are perhaps overturned sediments. The lower contact of this unit is completely arbitrary and solely based on colour change from black to dark brown with the underlain metasiltstones. The core is moderately busted up, limonite along fractures, weakly mineralized with pyrite and pyrrhotite and NO moly observed. Veining here is rare and seen as mm scale veinlets of qtz. Alteration appears to be that of the hornfelsed metasiltstones with silica and biotite.

STRUCTURES

From	To	Struct	CA	Strain
3.05	13.75	BDG	30	

bedding here varies in core axis angle form 10- 40 t.c.a.

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
3.05	13.75	-	-	-	M	-	-	-	-	-	M			

mostly moderate silica alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
3.05	13.75	0.1	100	0	0	5	45

subparallel to 45 t.c.a. mm scale qtz veins; rare throughout

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
3.05	13.60	0.01	DISS		0				
13.60	13.75	0.01	DISS	PO	10				

3.05–13.60: *pyrite is ibserved in veining only and as disseminations t/o.*

13.60–13.75: *rare diss pyrite but 10-155 rounded FG blebs of pyrrhotite with boytrodial habit*

From	To	Litho
13.75	226.53	HSLT

This a very lengthy interval of hornfelsed metasediments. The upper transition from argillite to siltstone is gradational and pretty much based on colour, a weak contact of grain size and the disappearnce of the mm scale subrounded amygdules present in the argillite package. The entire interval has undergone hornfelsing and ranges from very hard core to moderate in local instances. The core is a dark brown colour, fine grained, weak to moderate strain foliation throughout with episodic faulting concentrated between 184.67 - 218.78m. Biotite, silica and chlorite are the main alteration assemblages observed throughout, with the chloritic alteration occurring patchy over the core and in localized horizons often associated with increased strain or brecciation.

Veining in this interval is patchy as well with zones of increased veining and many zones of minimal veining. The dominant vein throughout the interval length is the foliation parallel qtz vein, second would be the larger cm scale veins subparallel core axis and orthogonal t.c.a.; numerous micro veinlets are observed t/o anastomosing over core surface.

Sulphide mineralization in the described interval is moderate to strong throughout with the exception of Moly which appears to directly associated with the vein density (which begs the question, "does the moly really come first and then the veining?", because if the moly is only strongest where there are abundant veins, then the moly has arrived either with the veins or after). Pyrrhotite is the most abundant sulphide in the interval, appearng as FG disseminations, often greatly associated with chloritic alteration and vein density, and as FG massive blebs or smears within the actual veins. Chalcopyrite is only observed in the veining. Pyrite is weak throughout the interval with observed local zones of increased pyrite.

STRUCTURES

From	To	Struct	CA	Strain
13.75	23.46	FOL	30	VW

very weak foliation and/or bedding

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
13.75	75.80	-	-	W	M	-	-	-	-	-	M			

hornfelsed metasiltsone with silica and biotite alteration and patchy chlorite alteration t/o

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
13.75	22.00	0.1	100	0	0	6	35
22.00	78.20	0.5	100	0	0	6	40

13.75–22.00: *very weak veining at best; micro qtz veinlets*

22.00–78.20: *weak veining t/o, but beginning to show signs of increasing; qtz micro veinlets and few 2-5mm qtz veins.*

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
13.75	148.00	0.01	DISS	PO	2	CP	0.1		

pyrite in this interval is weak and observed disseminated in core and rarely

From	To	Litho
13.75	226.53	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
23.46	23.79	FLT		S
strongly altered and gougey fault breccia				
23.79	70.24	FOL	40	VW
very weak foliation and/or bedding				
70.24	70.53	FLT		S
strongly altered and gougey fault breccia				
70.53	78.20	FOL	40	W
weak foliation t/o				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
75.80	85.22	-	-	W	S	-	-	-	-	-	M			
hornfelsed metasiltstone with strong silica alteration, weak to moderate biotite and patchy chlorite alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

Initials: ________

From	To	Litho
13.75	226.53	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
78.20	80.00	FOL	40	M
moderate strain foliation t/o				
80.00	80.18	FLT	40	S
fault breccia				
80.18	109.06	FOL	40	M
moderate strain foliation t/o				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
85.22	108.25	-	-	-	M	-	-	-	-	-	M			
hornfelsed metasiltstone with silica and biotite alteration														
108.25	120.20	-	-	M	M	-	-	-	-	-	M			
moderate silica/biotite/chlorite alteration t/o; chlorite is observed as greenish patchy lamina t/o foliated core														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
78.20	164.35	1	100	0	0	20	40
numerous very small mm scale qtz veinlets parallel foliation; these are the main discontinuity t/o, though they are micro veinlets and abundant but do not comprise much of the core %; sporadic t/o this interval are larger (4-6cm) bull veins cross cutting core orthogonal; these veins have weak septa t/o; boudined veining and calcite veining make up the remainder of the observed veins t/o							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

Initials: ________

From	To	Litho
13.75	226.53	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
109.06	109.42	FLT	45	S
fault breccia with gouge				
109.42	115.02	FOL	45	M
moderate strain foliation t/o				
115.02	115.13	FLT	45	S
fault breccia with gouge				
115.13	116.52	FOL	40	M
moderate strain foliation t/o				
116.52	116.88	FLT	35	S
messed up rehealed and reworked fault breccia				
116.88	117.69	FOL	35	M
moderate strain foliation t/o				
117.69	118.03	FLT	30	S
messed up rehealed and reworked fault breccia				
118.03	135.10	FOL	40	M
weak to moderate strain foliation btwn 30 - 45 t.c.a.				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
120.20	158.55	-	-	W	M	-	-	-	-	-	M			
mod silica and biotite hornfelsed alteration with weak patchy chlorite alteration t/o														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
13.75	226.53	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
135.10	135.30	FLT	45	S

strongly strained messed up foliated fault breccia

From	To	Struct	CA	Strain
135.30	158.55	FOL	40	M

weak to moderate strain foliation btwn 35 - 50 t.c.a.

From	To	Struct	CA	Strain
158.55	163.51	FLT		S

large gouge filled fault with lots of broken core, brecciated pieces of core, clay and reworked sediment

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
158.55	163.51	-	M	W	-	-	-	-	M	-	M			

moderate pervasive carbonate and biotite alteration t/o with weak chlorite alteration within an argillic assemblage

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
148.00	158.55	0.1	VLT	PO	2	CP	0.1		

pyrite here is observed as veinlets along foliation as well as minor desseminations; pyrrhotite remains very strong t/o core; both disseminated within the more chloritic portions and as massive blebs within the veining; chalcopyrite is observed in the veining only; Moly within this interval picks up a little and is recognized in almost every vein, boudined, cm scale veins and micro veinlets

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
158.55	163.51	0.1	DISS	PO	0.5	CP	0.01		

within the fault the pyrite is observed as disseminations t/o with pyrrhotite decreasing in presence (due to lack of core pieces) and CP observed in trace amounts in noted veining; moly is observed in veining, but in lesser amounts than previous interval (possibly all lower %ages of mineralization is due to lack of core in fault area)

From	To	Litho
13.75	226.53	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
163.51	184.67	FOL	40	M

weak to moderate strain foliation

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
163.51	226.53	-	-	VW	M	-	-	-	-	-	M			

very weak (patchy) chlorite alteration with moderate silica and biotite t/o

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
164.35	185.00	3	100	0	0	12	40

veining here increases considerably; noted that that moly here increases as well; the dominant vein set would be the parallel foliation mm scale vein (3-10mm) with a secondary vein set running subparallel to 30 t.c.a.; micro veinlet stringers are also noted throughout

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
163.51	185.00	1	DISS	PO	2.5	CP	0.2		

pyrite, pyrrhotite, chalcopyrite and moly all increase within this interval; pyrite becomes disseminated t/o while pyrrhotite is both disseminated and as massive blebs within veining; chalcopyrite is oberved in veining only; Moly is present along 985 of the veins in this interval, along their selvages, as flecks within and as infill to many of the microfractures

From	To	Litho
13.75	226.53	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
184.67	185.21	FLT	70	S
fault breccia with gouge				
185.21	207.38	FOL	50	M
weak to moderate strain foliation from 35-50 t.c.a.				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
185.00	196.40	0.5	100	0	0	4	40
weak veining here with the dominant vein, again, the parallel foliation qtz vein							
196.40	201.42	3	100	0	0	6	45
40-45 t.c.a. foliation parallel veining, 75 t.c.a. x-cutting veining; large cm scale bull veins orthogonal t.c.a. and qtz vein flooding wherby the core it has intruded has a milled, brecciated appearance							
201.42	205.77	0.1	100	0	0	6	40
very weak veining here parallel foliation; micro veinlets							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
185.00	196.40	0.5	DISS	PO	3	CP	0.1		
pyrrhotite is the only sulphide to increase in this zone, as it is believed the more chlorite alteration, the more the disseminated PO; patchy alteration is stronger here in this zone; fewer veins equals fewer occurrences of moly and chalcopyrite; pyrite decreases									
196.40	201.42	0.5	DISS	PO	2	CP	0.1		
201.42	205.77	0.2	DISS	PO	1	CP	0.1		

From	To	Litho
13.75	226.53	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
207.38	207.55	FLT	60	S
fault gouge breccia				
207.55	209.39	FOL	60	M
moderate strain foliation				
209.39	209.63	FLT	55	M
fault breccia				
209.63	213.50	FOL	50	M
moderate strain foliation and weak brecciation				
213.50	213.79	FLT	50	M
fault breccia				
213.79	214.35	FOL	60	M
moderate strain foliation and weak brecciation				
214.35	214.95	FLT		M
moderte to strong fault breccia with gouge material				
214.95	217.50	FOL	55	M
moderate strain foliation with weak brecciation				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
205.77	218.79	4	100	0	0		
no preferred orientation here as the veining is the qtz flooded brecciating veining that seems to inundate the core; this interval is also host to much of the faulted sequences.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
205.77	218.79	1	DISS	PO	3	CP	0.3		

From	To	Litho
13.75	226.53	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
217.50	218.78	FLT		M
218.78	226.52	FOL	45	W
226.52	226.53	CON	45	

- 217.50–218.78: *fault breccia with rehealed appearance; not as gougey*
- 218.78–226.52: *weak strain foliation*
- 226.52–226.53: *sharp lower contact*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
218.79	226.53	0.5	100	0	0	8	40

mm scale foliation parallel veining is dominant

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
218.79	226.53	0.1	DISS	PO	1	CP	0.1		

From	To	Litho
226.53	227.45	DYKE

This is a short interval of most likely quartz monzonite dyke material with sharp upper and lower contacts. Within the dyke and extending into the underlain metaseds is a fault between 227.25 - 227.64m. The core is devoid of veining and mineralization throughout is a strong presence of FG disseminated pyrite and pyrrhotite.

STRUCTURES

From	To	Struct	CA	Strain
226.53	226.54	CON	45	
226.54	227.44	MASS		

- 226.53–226.54: *sharp upper contact*
- 226.54–227.44: *massive granite dyke or quartz monzonite dyke*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
226.53	227.45	-	-	-	M	-	-	-	-	-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
226.53	227.45	0	0	0	0	0	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
226.53	227.45	5	DISS	PO	2				

strong presence of disseminated FG pyrite with FG pyrrhotite t/o

From	To	Litho
226.53	227.45	DYKE

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
227.44	227.45	CON	30	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
227.45	260.27	HSLT

Same as interval 13.75 - 226.53m. This interval though identical to previous interval of metaseds, exhibits an increase in mineralization and veining approaching the underlain fault zone. Veining increases to 2% t/o btwn 254.00 - 260.27m with a noticeable increase in moly %ages as well. Dominant veining appears to the foliation parallel veining with minor qtz stringers anastomosing t/o core. Moly appears along selvages and within micro fractures and veinlets in this interval. Lower contact is sharp and alteration change is abrupt. Pyrrhotite is the dominant sulpide t/o; appearing as disseminations in whole core as well as blebs within veins.

STRUCTURES

From	To	Struct	CA	Strain
227.45	227.46	CON	30	
227.46	230.00	FOL	40	W

227.45–227.46: *sharp upper contact*

227.46–230.00: *weak to moderate strain foliation*

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
227.45	230.00	-	-	VW	M	-	-	-	-	-	M			

hornfelsed biotite and silica altered metaseds with weak patchy chlorite alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
227.45	254.00	0.5	100	0	0	4	40

very weak representation of veining in this interval and across the faulting. Dominant vein set is the qtz vein parallel foliation

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
227.45	254.81	0.5	DISS	PO	1.5	MO	0.1		

weaker mineralization t/o in this interval with moly observed in nearly every vein that is present, however, vein % is weak

From	To	Litho
227.45	260.27	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
230.00	230.37	FLT		S
strongly brecciated fault gouge breccia				
230.37	231.14	BX		W
weak brecciated hornfelsed metaseds btwn faults				
231.14	233.12	FLT		S
strongly brecciated, yet competent, fault zone				
233.12	260.26	FOL	40	W
weak to moderate strain foliation				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
230.00	230.37	-	M	S	-	-	-	-	M	-				
strong chlorite alteration t/o (argillic?) with moderate pervasive carbonate alteration														
230.37	231.14	-	-	W	W	-	-	-	W	-	M			
zone btwn faults exhibits chlorite/silica/biotite and calcite alteration														
231.14	233.12	-	M	S	-	-	-	-	M	-				
strong chlorite alteration t/o (argillic?) with moderate pervasive carbonate alteration														
233.12	260.27	-	-	VW	M	-	-	-	-	-	M			
lenghty interval of hornfelsed biotite and silica altered metaseds with very weak patchy chlorite alteration														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
254.00	260.27	2	100	0	0	4	40
veining increases slightly approaching the underlain fault zone, but still noted as weak; dominant vein again is the foliation parallel qz vein wit hrare orthogonal t.c.a. veins							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
227.45	260.27	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
260.26	260.27	CON	40	

sharp lower contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
254.81	260.27	1	DISS	PO	2	MO	0.3		

mineralization increases approaching the underlain faulted sequence with a noticeable increase in moly within veining and along fracture surfaces

From	To	Litho
260.27	273.70	HSLT

FAULT:

A light, fine grained, chalky white green coloured, strongly chlorite altered metasiltstone. The upper and lower contacts are both very sharp and abrupt in alteration change (dark brown hornfelsed metaseds and then green chlorite altered metaseds). The core is heavily weathered and fractured and return was almost 100% from the drill (ie no core loss). The dominant fracture angle appears to about 50 t.c.a. with numerous other fractures and jointing varying in orientation t/o. The core is blasted with chlorite alteration and the end result is a chalky, white green rock. Mineralzation is dominantly moly in every nook and craney, and is observed as thick selvages along the veining.

STRUCTURES

From	To	Struct	CA	Strain
260.27	260.28	CON	40	

sharp upper contact

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
260.27	273.70	-	S	S		-	-	-	-	-	-			

strongly argillic assemblage of strongly chlorite altered faulted metaseds; biotite is not recognized, the core does not fizz and it appears to mostly chlorite alteration, though micas may have been altered and are not recognized

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
260.27	273.70	0.5	100	0	0	3	30

very weak veining throughout interval with dominant vein runing 30 to subparallel core axis

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
260.27	273.70	0.1	DISS	MO	0.8				

very weak disseminated pyrite that appears to be locked into the veining only; moly here picks up considerably and is observed in nearly every crack and fracture in the core (and there's lots of cracks and fractures in the fault) and also appears in the veining and as thick selvages to the veins. This fault should run well in the assay world.

From	To	Litho
260.27	273.70	HSLT

FAULT:

A light, fine grained, chalky white green coloured, strongly chlorite altered metasiltstone. The upper and lower contacts are both very sharp and abrupt in alteration change (dark brown hornfelsed metaseds and then green chlorite altered metaseds). The core is heavily weathered and fractured and return was almost 100% from the drill (ie no core loss). The dominant fracture angle appears to about 50 t.c.a. with numerous other fractures and jointing varying in orientation t/o. The core is blasted with chlorite alteration and the end result is a chalky, white green rock. Mineralzation is dominantly moly in every nook and craney, and is observed as thick selvages along the veining.

STRUCTURES

From	To	Struct	CA	Strain
260.28	273.69	FLT		S
strongly altered and messed up chlorite rich fault zone				
273.69	273.70	CON	75	
sharp lower contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
273.70	300.53	HSLT

This interval of metasiltstone underlying the faulted zone doesn't have the veining or mineralization as the sequence above the fault. Veining here is very weak with only rare 45 t.c.a. qtz veins observed. Moly mineralization in turn is also weak. The core begins as a dark brown fine grained, hornfelsed metasiltstone, but becomes a slightly coarser grained sandstone btwn 295.83 - 300.53m. Alteration throughout is silica and biotite, but weakening in the sandstone portion.

STRUCTURES

From	To	Struct	CA	Strain
273.70	273.71	CON	75	
sharp upper contact				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
273.70	295.83	-	-	W	M	-	-	-	-	-	M			
hornfelsed metaseds with silica and biotite alteration; weak patchy chlorite alteration t/o														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
273.70	300.53	HSLT

This interval of metasiltstone underlying the faulted zone doesn't have the veining or mineralization as the sequence above the fault. Veining here is very weak with only rare 45 t.c.a. qtz veins observed. Moly mineralization in turn is also weak. The core begins as a dark brown fine grained, hornfelsed metasiltstone, but becomes a slightly coarser grained sandstone btwn 295.83 - 300.53m. Alteration throughout is silica and biotite, but weakening in the sandstone portion.

STRUCTURES

From	To	Struct	CA	Strain
273.71	295.57	FOL	40	W
weak to moderate strain foliation 40 -50 t.c.a.				
295.57	295.83	FLT	30	S
strongly faulted corridor of brecciated metaseds				
295.83	300.53	FOL	45	VW
very weak strain foliation				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
295.83	300.53	-	-	-	W	-	-	-	-	-	M			
weak silica alteration and mostly biotite alteration in interval; weak patchy chlorite alteration t/o														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
273.70	300.53	0.5	100	0	0	2	45
very weak qtz veining 45 t.c.a. t/o							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
273.70	300.53	0.5	VLT	PO	1	MO	0.05		
very weak mineralization t/o									

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0609

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45722	6.1	8.23	ARG	CORE	0.01	0
45723	8.23	11.28	ARG	CORE	0.01	0.005
45724	11.28	14.33	ARG	CORE	0.01	0.002
45725	14.33	14.33	ARG	BLANK	0	0
45726	14.33	17.37	ARG	CORE	0.01	0.01
45727	17.37	20.42	ARG	CORE	0.01	0.001
45728	20.42	23.47	ARG	CORE	0.01	0.002
45729	23.47	26.52	ARG	CORE	0.01	0.006
45730	26.52	26.52	ARG	**MoS-1**	0.01	**0.064**
45731	26.52	29.57	ARG	CORE	0.01	0
45732	29.57	32.61	ARG	CORE	0.02	0.011
45733	32.61	35.66	ARG	CORE	0.02	0.007
45734	35.66	36.82	ARG	CORE	0.02	0.003
45735	36.82	38.71	GDIO	CORE	0	0
45736	38.71	41.76	GDIO	CORE	0	0
45737	41.76	44.81	GDIO	CORE	0	0
45738	44.81	47.85	GDIO	CORE	0	0
45739	47.85	50.9	GDIO	CORE	0	0
45740	47.85	50.9	GDIO	DUPLICATE	0	0.001
45741	50.9	53.95	GDIO	CORE	0	0
45742	53.95	57	GDIO	CORE	0	0
45743	57	60.05	GDIO	CORE	0	0
45744	60.05	63.09	GDIO	CORE	0	0
45745	63.09	63.09	GDIO	BLANK	0	0
45746	63.09	66.14	GDIO	CORE	0	0
45747	66.14	69.19	GDIO	CORE	0	0
45748	69.19	71.05	GDIO	CORE	0	0
45749	71.05	72.24	HSLT	CORE	0.01	0.001
45750	72.24	72.24	HSLT	**MoS-1**	0.01	**0.064**
45751	72.24	75.29	HSLT	CORE	0.01	0.009
45752	75.29	78.33	HSLT	CORE	0.02	0.007
45753	78.33	81.38	HSLT	CORE	0.01	0.014
45754	81.38	84.43	HSLT	CORE	0.01	0.011
45755	84.43	87.48	HSLT	CORE	0.01	0.014
45756	87.48	90.53	HSLT	CORE	0.01	0.013
45757	90.53	93.57	HSLT	CORE	0.02	0.02
45758	93.57	96.62	HSLT	CORE	0.01	0.017
45759	96.62	99.67	HSLT	CORE	0.03	0.021
45760	96.62	99.67	HSLT	DUPLICATE	0.04	0.02
45761	99.67	102.72	HSLT	CORE	0.01	0.004
45762	102.72	105.77	HSLT	CORE	0.01	0.009
45763	105.77	108.81	HSLT	CORE	0.01	0.007
45764	108.81	111.86	HSLT	CORE	0.04	0.017
45765	108.81	111.86	HSLT	BLANK	0	0
45766	111.86	114.91	HSLT	CORE	0.02	0.019
45767	114.91	117.96	HSLT	CORE	0.02	0.007
45768	117.96	121.01	HSLT	CORE	0.03	0.013
45769	121.01	124.05	HSLT	CORE	0.04	0.007
45770	124.05	127.1	HSLT	**MoS-1**	0.01	**0.062**
45771	124.05	127.1	HSLT	CORE	0.06	0.013

SAMPLE REPORT

HOLE ID: CH0609

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45772	127.1	130.15	HSLT	CORE	0.04	0.026
45773	130.15	133.2	HSLT	CORE	0.02	0.008
45774	133.2	136.25	HSLT	CORE	0.01	0.01
45775	136.25	139.29	HSLT	CORE	0.02	0.006
45776	139.29	142.34	HSLT	CORE	0.01	0.011
45777	142.34	145.39	HSLT	CORE	0.01	0.015
45778	145.39	148.44	HSLT	CORE	0.01	0.005
45779	148.44	151.49	HSLT	CORE	0.01	0.007
45780	151.49	154.53	HSLT	DUPLICATE	0.02	0.006
45781	151.49	154.53	HSLT	CORE	0.01	0.008
45782	154.53	157.58	HSLT	CORE	0.02	0.008
45783	157.58	160.63	HSLT	CORE	0.01	0.004
45784	160.63	163.68	HSLT	CORE	0.02	0.004
45785	163.68	166.73	HSLT	BLANK	0	0
45786	163.68	166.73	HSLT	CORE	0.01	0.015
45787	166.73	169.77	HSLT	CORE	0.03	0.01
45788	169.77	172.82	HSLT	CORE	0.02	0.006
45789	172.82	175.87	HSLT	CORE	0.04	0.01
45790	175.87	178.92	HSLT	**MoS-1**	0.01	**0.064**
45791	175.87	178.92	HSLT	CORE	0.04	0.012
45792	178.92	181.97	HSLT	CORE	0.05	0.013
45793	181.97	185.01	HSLT	CORE	0.04	0.011
45794	185.01	188.06	HSLT	CORE	0.01	0.009
45795	188.06	191.11	HSLT	CORE	0.02	0.016
45796	191.11	194.16	HSLT	CORE	0.01	0.005
45797	194.16	197.21	HSLT	CORE	0.02	0.016
45798	197.21	200.25	HSLT	CORE	0.03	0.032
45799	200.25	203.3	HSLT	CORE	0.04	0.022
45800	203.3	206.35	HSLT	DUPLICATE	0.06	0.025
45801	203.3	206.35	HSLT	CORE	0.06	0.024
45802	206.35	209.4	HSLT	CORE	0.03	0.019
45803	209.4	212.45	HSLT	CORE	0.03	0.017
45804	212.45	215.49	HSLT	CORE	0.04	0.022
45805	212.45	215.49	HSLT	BLANK	0	0
45806	215.49	218.54	HSLT/GDIO	CORE	0.03	0.034
45807	218.54	221.59	GDIO	CORE	0.02	**0.064**
45808	221.59	224.64	GDIO	CORE	0.02	0.045
45809	224.64	227.69	GDIO	CORE	0.03	0.018
45810	224.64	227.69	GDIO	**MoS-1**	0.01	**0.061**
45811	227.69	230.73	GDIO	CORE	0.03	0.033
45812	230.73	233.78	GDIO	CORE	0.04	**0.054**
45813	233.78	236.83	GDIO	CORE	0.03	0.039
45814	236.83	239.88	GDIO	CORE	0.02	0.018
45815	239.88	242.93	GDIO	CORE	0.02	0.014
45816	242.93	245.97	HSLT	CORE	0.01	0.021
45817	245.97	249.02	HSLT	CORE	0.01	0.021
45818	249.02	252.07	HSLT	CORE	0.01	0.02
45819	252.07	255.12	HSLT	CORE	0.03	0.039
45820	252.07	255.12	HSLT	DUPLICATE	0.03	**0.053**
45821	255.12	258.17	HSLT	CORE	0.03	0.042
45822	258.17	261.21	HSLT	CORE	0.02	0.038
45823	261.21	264.26	HSLT	CORE	0.02	0.042

SAMPLE REPORT

HOLE ID: CH0609

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45824	264.26	267.31	HSLT	CORE	0.03	**0.053**
45825	264.26	267.31	HSLT	BLANK	0	0
45826	267.31	270.36	GDIO	CORE	0.03	0.017
45827	270.36	273.41	GDIO	CORE	0.02	0.038
45828	273.41	276.45	GDIO	CORE	0.01	0.018
45829	276.45	279.5	GDIO	CORE	0.02	**0.087**
45830	276.45	279.5	GDIO	**MoS-1**	0.01	**0.064**
45831	279.5	282.55	GDIO	CORE	0.02	0.01
45832	282.55	285.6	GDIO	CORE	0.02	0.036
45833	285.6	288.65	GDIO	CORE	0.02	0.008
45834	288.65	291.69	GDIO	CORE	0.02	0.028
45835	291.69	294.74	HSLT	CORE	0.03	**0.096**
45836	294.74	297.79	HSLT	CORE	0.02	0.03
45837	297.79	300.84	HSLT	CORE	0.03	0.031
45838	300.84	303.89	HSLT	CORE	0.05	0.019
45839	303.89	306.93	HSLT	CORE	0.03	0.029
45840	303.89	306.93	HSLT	DUPLICATE	0.03	0.042
45841	306.93	309.98	HSLT	CORE	0.07	0.024
45842	309.98	313.03	HSLT	CORE	0.08	0.036
45843	313.03	316.08	HSLT	CORE	0.02	0.023
45844	316.08	319.13	HSLT	CORE	0.02	0.044
45845	316.08	319.13	HSLT	BLANK	0	0
45846	319.13	322.17	HSLT	CORE	0.02	0.025
45847	322.17	325.22	HSLT	CORE	0.03	0.034
45848	325.22	328.27	HSLT	CORE	0.02	0.027
45849	328.27	331.01	HSLT	CORE	0.06	0.003
45850	328.27	331.01	HSLT	**MoS-1**	0.01	**0.064**

CHU Project - TTM Resources Inc.

Signature: ____________________

CH0613

Initials: ______

From	To	Litho
0.00	5.49	OB

Casing/overburden

STRUCTURES				
From	To	Struct	CA	Strain
0.00	5.49			

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
5.49	17.02	GDIO

From the beginning of this hole there is a presence of gray granodiorite with surface weathering on joints, transitional zone of monzonite, feldspar phenocrysts into the matrix, potassic altn. with network of narrow Qz +/-MO VNs & strs. Veining sometimes contains PY veinlets. Minor magnetite. .
From 5.49 to 8.38m gray andesite zone, core is broken moderately (~65% pieces are < 10cm), CA & surface weathering on fractures. Lower contact with monzonite is @30 tca.
From 9.82 to 10.32m dispersed 28mm Qz-PY-MO-PY-PO-BIO-EPI VN, 10 tca observed.

STRUCTURES				
From	To	Struct	CA	Strain
5.49	17.02	BX		W

broken core throughout interval length

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
5.49	17.02	-	-	-	W	-	-	VW	W	-	M	M	W	

CA aln

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
5.49	17.02	0.1	30	15	2	0.1	

Qz strs throughout the core

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
5.49	17.02	1	DISS						

traces of MO

From	To	Litho
17.02	20.73	MZON

Monzonite, red greenish brown in color, medium grained; mottled looking in appearance, blotches of chloritic green & strong silica altn. Not easily scratched with a knife. Cut by abundant Qz and Qz +/- CA veining. Veining sometimes contains PY veinlets. Pyrite is moderately abundant in tiny veinlets form and less commonly disseminated. MO is common & generally is present along the margins of Qz veinlets. Minor magnetite.
@13.68m: 56mm Qz-CA-PY-MO VN, 40 tca.
@19.52m: 20mm Qz-PY-MO-BIO VN, 20 tca.

STRUCTURES

From	To	Struct	CA	Strain
17.02	20.73	MAS S		M

~2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
17.02	20.73	-	-	-	S	-	W	M	W	VW	M	W		

potassic altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
17.02	20.73	1	45	30	1	1	

narrow QzpY-MO veins, approx 1-2 VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
17.02	20.73	2	VLT	MO	0.05				

~0.5% MO

From	To	Litho
20.73	38.40	AND

Dark red-greenish-brown in color andesite, fine & medium grained; mottled looking in appearance, blotches of chloritic green & silica altn. Easily scratched with a knife. Cut by abundant Qz and Qz +/- CA veining & AB-Chl-sulfide -EPI dispersed/contorted VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated, MO is common, becomes more abundant from 28.2m & generally is present along the margins of larger veinlets. Minor magnetite. Veining sometimes contains PY veinlets.
From 20.92 to 21.64m a narrow 6mm Qz-PY-MO VN, 5 tca is observed.
@21.76m: presence of a selvaged 28mm Qz-PY-MO VN, 45 tca.
From 28.22 to 28.66m a narrow ptygmatic 8mm Qz-PY-CA-MO-BIO VN, 5 tca with a few narrow 5-7mm branches radiating from the main VN observed.
@29.58m: location of a solid 22mm Qz-PY-MO VN, 30 tca with Qz-PY-MO strs around.
@30.30m: distorted 20mm Qz-PY-PPO-EPI-MO VNs, 25 tca observed.
@32.24m: presence of a solid 24mm Qz-PY-CA-MO VN,15 tca.
@34.44m:a thick dispersed 16cm Qz-pY-PO-Chl-MO VN, 40 tca ia observed.
From 34.76 to 35.40m presence of a contorted 30mm Qz-PY-PO-MO VN, 5 tca with a few 8-10mm Qz-PY-MO VNs branched out observed.
From 35.90 to 37.46m location of a dispersed & branched out Qz-CA-PY-PO-MO-EPI VN, 0 tca.

STRUCTURES

From	To	Struct	CA	Strain
20.73	38.40	MAS S		S

2-3% jonts

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
20.73	38.40	-	-	M	M	-	M	VW	W	M	M	W	W	

BIO, EPI, CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
20.73	38.40	6	15		1	2	10

a few contorted contorted Qz-PY-MO VNs with 0-10 tca

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
20.73	38.40	2	VLT	MO	0.1				

~0.05-0.1% MO in this interval

From	To	Litho
20.73	38.40	AND

Dark red-greenish-brown in color andesite, fine & medium grained; mottled looking in appearance, blotches of chloritic green & silica altn. Easily scratched with a knife. Cut by abundant Qz and Qz +/- CA veining & AB-Chl-sulfide -EPI dispersed/contorted VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated, MO is common, becomes more abundant from 28.2m & generally is present along the margins of larger veinlets. Minor magnetite. Veining sometimes contains PY veinlets.
From 20.92 to 21.64m a narrow 6mm Qz-PY-MO VN, 5 tca is observed.
@21.76m: presence of a selvaged 28mm Qz-PY-MO VN, 45 tca.
From 28.22 to 28.66m a narrow ptygmatic 8mm Qz-PY-CA-MO-BIO VN, 5 tca with a few narrow 5-7mm branches radiating from the main VN observed.
@29.58m: location of a solid 22mm Qz-PY-MO VN, 30 tca with Qz-PY-MO strs around.
@30.30m: distorted 20mm Qz-PY-PPO-EPI-MO VNs, 25 tca observed.
@32.24m: presence of a solid 24mm Qz-PY-CA-MO VN,15 tca.
@34.44m:a thick dispersed 16cm Qz-pY-PO-Chl-MO VN, 40 tca ia observed.
From 34.76 to 35.40m presence of a contorted 30mm Qz-PY-PO-MO VN, 5 tca with a few 8-10mm Qz-PY-MO VNs branched out observed.
From 35.90 to 37.46m location of a dispersed & branched out Qz-CA-PY-PO-MO-EPI VN, 0 tca.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
38.40	60.00	AND

Dark & brown in color, fine grained andesite, looking mottled in appearance, blotches of chloritic green & EPI altn. Easily scratched with a knife. Cut by abundant Qz-PY-MO +/- CA veining & AB-Chl-sulfide -EPI-MG dispersed/contorted VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is common & generally present along the margins of Qz veinlets. Minor magnetite.
From 43.26 to 43.56m distorted 26mm Qz-PY-MO-BIO-MG VN, 15 tca is present.
From 46.36 to 47.85m location of 16mm Qz-PY-PO-MG VN along the core, 5 tca.
From 49.06 to 49.75m broken core is present , BIO & MO on fractures.
@52.34m: pink 24mm Qz-PY-MO VN, 20mm is observed.
From 53.96 to 54.20m reticulated network of 20mm Qz-PY-MO-EPI VN, 20-70 tca located.
From 54.90 to 56.26m boudinaged 16mm Qz-PY-MO-PO-BIO-MG-EPI VN, 0 tca is present.
@58.04m:location of a brecciated 28mm Qz-PY-PO-MO VN, 30 tca.
@59.83m: presence of a solid 60mm Qz-PY-MO-PO VN, 35 tca

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
38.40	60.00	AND

Dark & brown in color, fine grained andesite, looking mottled in appearance, blotches of chloritic green & EPI altn. Easily scratched with a knife. Cut by abundant Qz-PY-MO +/- CA veining & AB-Chl-sulfide -EPI-MG dispersed/contorted VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is common & generally present along the margins of Qz veinlets. Minor magnetite.
From 43.26 to 43.56m distorted 26mm Qz-PY-MO-BIO-MG VN, 15 tca is present.
From 46.36 to 47.85m location of 16mm Qz-PY-PO-MG VN along the core, 5 tca.
From 49.06 to 49.75m broken core is present , BIO & MO on fractures.
@52.34m: pink 24mm Qz-PY-MO VN, 20mm is observed.
From 53.96 to 54.20m reticulated network of 20mm Qz-PY-MO-EPI VN, 20-70 tca located.
From 54.90 to 56.26m boudinaged 16mm Qz-PY-MO-PO-BIO-MG-EPI VN, 0 tca is present.
@58.04m:location of a brecciated 28mm Qz-PY-PO-MO VN, 30 tca.
@59.83m: presence of a solid 60mm Qz-PY-MO-PO VN, 35 tca

STRUCTURES

From	To	Struct	CA	Strain
38.40	60.00	MAS S		S

2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
38.40	60.00	-	-	VW	S	-	M	W	W	M	M	M	M	

BIO, EPI & MG altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
38.40	60.00	57	10	10	1	1	

pink Qz-sulfide-MO narrow VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
38.40	60.00	2	VLT	MO	0.1	PO	2.00		

~0.1-0.15% MO in this interval

From	To	Litho
60.00	82.00	AND

Very dark brown in color fine grained andesite; blotches, VNs & strs of chloritic green & EPI altn, strong silica altn. Core cut by abundant Qz-PY-MO veining & AB-Chl-sulfide -EPI-MG dispersed VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is common & generally is present along the margins of Qz veinlets. Minor magnetite.
@62.28m: presence of a solid 30mm Qz-PY-PO-MO VN, 90 tca.
@64.30m: 18mm Qz-PY-PO-MO VN,60 tca with two subparallel 8mm Qz-PO-PY-MO VNs observed.
@73.10m: solid 80mm Qz-PY-PO-MO VN, 50 tca is present.
@79.80m: location of a boudinaged 16mm Qz-PY-MO-PO VN, 10 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

CH0613

From	To	Litho
60.00	82.00	AND

Very dark brown in color fine grained andesite; blotches, VNs & strs of chloritic green & EPI altn, strong silica altn. Core cut by abundant Qz-PY-MO veining & AB-Chl-sulfide -EPI-MG dispersed VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is common & generally is present along the margins of Qz veinlets. Minor magnetite.
@62.28m: presence of a solid 30mm Qz-PY-PO-MO VN, 90 tca.
@64.30m: 18mm Qz-PY-PO-MO VN,60 tca with two subparallel 8mm Qz-PO-PY-MO VNs observed.
@73.10m: solid 80mm Qz-PY-PO-MO VN, 50 tca is present.
@79.80m: location of a boudinaged 16mm Qz-PY-MO-PO VN, 10 tca.

STRUCTURES

From	To	Struct	CA	Strain
60.00	82.00	MASS		S

~1-2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
60.00	82.00	-	-	M	S	-	W	-	W	M	S	M	M	

sulfide & BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
60.00	82.00	1	6	6		0.5	70

occasionally narrow Qz-PY-MO VNs & abundant distorted AB-PY-MG-PO VNs/strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
60.00	82.00	3	SM	PO	2	MO	0.04		

mo accures in occasional Qz VNs/strs

From	To	Litho
82.00	100.90	AND

Fault zone (~60% broken core), fragments of dark brown in color fine grained andesite, narrow granodiorite zone, 5-10% of gouge; CA & Chl on fractures. Pyrite is moderately abundant in veinlets form and less commonly disseminated.
From 85.00 to 86.00m fragments of granodiorite are present with CA on fractures.
From 100.00 to 100.26m presence of 20mm Qz-PY-MO-EPI-PO VN, 5 tca.

STRUCTURES

From	To	Struct	CA	Strain
82.00	100.90	FLT		W

~60% pieces <10cm

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
82.00	100.90	-	-	M	W	-	M	VW	W	M	M		M	

strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
82.00	100.90	2	10	10		0.5	

occasional Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
82.00	100.90	2	VLT	MO	0.01				

weak MO mineralization

From	To	Litho
82.00	100.90	AND

Fault zone (~60% broken core), fragments of dark brown in color fine grained andesite, narrow granodiorite zone, 5-10% of gouge; CA & Chl on fractures. Pyrite is moderately abundant in veinlets form and less commonly disseminated.
From 85.00 to 86.00m fragments of granodiorite are present with CA on fractures.
From 100.00 to 100.26m presence of 20mm Qz-PY-MO-EPI-PO VN, 5 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
100.90	119.40	AND

Dark brown in color, fine grained andesite, blotches of chloritic green & EPI altn. Cut by Qz-PY-MO & AB-Chl-sulfide -EPI-MG dispersed VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is common, generally presents along of Qz veinlets. Minor magnetite. Contact with basalt dyke at 119.40m, 25 tca.
@103.10m: knot of narrow <8mm Qz- ABMO-sulfide VNs.
From 103.46 to 103.40m boudinaged 16mm Qz-PY-MO-EPI-MG VN, 5 tca is located along the core.
@103.80m: solid 50mm Qz-PY-MO-EPI-PO VN, 50 tca with 14mm Qz-PY-MO VN, 0 tca that is radiating from the main VN.
From 104.00 to 104.16m presence of rubble.
From 108.80 to 108.96m two subparallel 16 & 20mm Qz-PY-MO VNs, 70-80 tca are observed.
From 109.26 to 109.80m boudinaged 26mm Qz-PY-MO VN, 5 tca is located.
From 114.94 to 115.60m a significant 36mm Qz-PY-MO-PO-MG-BIO, 15 tca (~1% MO in this interval) is present.
From 117.40 to 177.70m minor granodiorite dyke porphyry observed with upper contact at 20 tca, lower contact at 35 tca.
@118.34m: there is a selvaged 20mm Qz-PY-MO, 15 tca offset by 10mm Qz-PY VN, 75 tca with subparallel 10mm AB-Chl VN, 20 tca.
From 119.00 to 119.40m a significant 50mm Qz-PY-MO, 20 tca on the contact with a basaltt dyke.

STRUCTURES

From	To	Struct	CA	Strain
100.90	119.40	MAS S		S

1-2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
100.90	119.40	-	-	M	M	-	M	VW	W	M	M	M	M	

EPI & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
100.90	119.40	2	15	10		2	40

~1-3 Vn/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
100.90	119.40	3	MG	MO	0.15				

~0.15-0.2% MO in this intarval

From	To	Litho
100.90	119.40	AND

Dark brown in color, fine grained andesite, blotches of chloritic green & EPI altn. Cut by Qz-PY-MO & AB-Chl-sulfide -EPI-MG dispersed VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is common, generally presents along of Qz veinlets. Minor magnetite. Contact with basalt dyke at 119.40m, 25 tca.
@103.10m: knot of narrow <8mm Qz- ABMO-sulfide VNs.
From 103.46 to 103.40m boudinaged 16mm Qz-PY-MO-EPI-MG VN, 5 tca is located along the core.
@103.80m: solid 50mm Qz-PY-MO-EPI-PO VN, 50 tca with 14mm Qz-PY-MO VN, 0 tca that is radiating from the main VN.
From 104.00 to 104.16m presence of rubble.
From 108.80 to 108.96m two subparallel 16 & 20mm Qz-PY-MO VNs, 70-80 tca are observed.
From 109.26 to 109.80m boudinaged 26mm Qz-PY-MO VN, 5 tca is located.
From 114.94 to 115.60m a significant 36mm Qz-PY-MO-PO-MG-BIO, 15 tca (~1% MO in this interval) is present.
From 117.40 to 177.70m minor granodiorite dyke porphyry observed with upper contact at 20 tca, lower contact at 35 tca.
@118.34m: there is a selvaged 20mm Qz-PY-MO, 15 tca offset by 10mm Qz-PY VN, 75 tca with subparallel 10mm AB-Chl VN, 20 tca.
From 119.00 to 119.40m a significant 50mm Qz-PY-MO, 20 tca on the contact with a basaltt dyke.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
119.40	134.28	BDY

Dark gray basalt, plagioclase & pyroxene fine grained with silica, quartz & fine grained DI PY, tiny CA strs. Upper & lower contacts at 20 tca.

STRUCTURES

From	To	Struct	CA	Strain
119.40	134.28	MAS S		S

1-2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
119.40	134.28	-	-	-	M	-	-	-	VW	M				

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
119.40	134.28	0.01	10				

CA strs present

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
119.40	134.28	0.1	-						

no mineralization

From	To	Litho
134.28	145.74	AND

Dark brown in color fine grained andesite with transitional zone to monzonite & pottasic alteration; blotches, VNs & strs of chloritic green & weak EPI altn, narrow carbonate zones, strong silica altn. Narrow fault zones. Qz-PY-MO veining & AB-Chl-sulfide -EPI-MG dispersed VNs. Pyrite is commonly disseminated. Generally MO is common in Qz veinlets. Minor magnetite.
From 134.28 to 135.78m location of a fault zone (fragments & douge).
@135.30m: carbonate zone with AB strs, upper contact at 50 tca, lower contact at 80 tca.
@138.99m: narrow 60mm quartz-granodiorite zone, 85 tca is observed.
@140.50m: presence of a solid 11cm Qz-PY-PO-MO-EPI VN, 40 tca .
@142.28m: a thick 10cm Qz-PY-MO-MG VN, 30 tca observed.
From 142.80 to 143.90m stockwork of a five 0.8-14mm Qz-PY-MO VN, 15-40 tca with Qz-PY-MO strs along the core is observed in this iterval.
From 143.90 to 145.74m there is a location of a fault zone (60% are pieces <10cm) with CA on fractures and ~7% is gouge

STRUCTURES

From	To	Struct	CA	Strain
134.28	145.74	MASS		M

143.9 to 145.74m fault zone, 60% are pieces <10cm with CA on fracture, ~7% gouge

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
134.28	145.74	-	-	W	S	-	M	-	W	M	M	M	M	

CA altn below 143.9m

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
134.28	145.74	8	20	10	1	2	40

~2 VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
134.28	145.74	2	VLT	MO	0.1				

>0.1% MO

From	To	Litho
145.74	162.15	AND

Dark brown in colour fine grained andesite with transitional zone with monzonite & potasic alteration & strong silica altn, narrow granodiorite zones. Qz-PY-MO strs. Tiny PY strs are commonly disseminated. MO presents generally in narrow mm scale Qz veinlets & strs. Magnetite in very weak.
@150.68m: presence of a narrow 7cm granodiorite zone, 80 tca.
@150.92m: 24mm Qz-PY-MO VN, 75 tca is observed.
From 151.16 to 151.54m granodiorite, contact with andesite @15 tca is observed.
@154.24m: solid 24mm Qz-PY-MO VN, 75 tca is present.
From 158.08 to 162.15m location of granodiorite with narrow Qz VNs & CA strs observed. Upper contact is at 80 tca, lower contact with basalt is at 30 tca.
From 158.64 to 158.80m presence of two subparallel 16 & 22mm Qz VNs, 60 tca.

STRUCTURES

From	To	Struct	CA	Strain
145.74	158.08	MASS		S

1-2 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

 Initials: ________

From	To	Litho
145.74	**162.15**	**AND**

Dark brown in colour fine grained andesite with transitional zone with monzonite & potasic alteration & strong silica altn, narrow granodiorite zones. Qz-PY-MO strs. Tiny PY strs are commonly disseminated. MO presents generally in narrow mm scale Qz veinlets & strs. Magnetite in very weak.
@150.68m: presence of a narrow 7cm granodiorite zone, 80 tca.
@150.92m: 24mm Qz-PY-MO VN, 75 tca is observed.
From 151.16 to 151.54m granodiorite, contact with andesite @15 tca is observed.
@154.24m: solid 24mm Qz-PY-MO VN, 75 tca is present.
From 158.08 to 162.15m location of granodiorite with narrow Qz VNs & CA strs observed. Upper contact is at 80 tca, lower contact with basalt is at 30 tca.
From 158.64 to 158.80m presence of two subparallel 16 & 22mm Qz VNs, 60 tca.

STRUCTURES

From	To	Struct	CA	Strain
158.08	162.15	MAS S		M
3-4 joints per meter				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
145.74	162.15	-	-	W	S	-	W	W	W	M	M	M	M	
silica altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
145.74	162.15	1	25	15	1	1	60
Qz +/-MO VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
145.74	162.15	1	VLT	MO	0.04				
MO present in Qz strs									

From	To	Litho
162.15	**172.88**	**BDY**

Dark gray basalt dyke, plagioclase & pyroxene fine grained with silica, quartz & fine grained DI PY, tiny CA strs. Upper contact is at 50 tca & lower contact is at 80 tca.

STRUCTURES

From	To	Struct	CA	Strain
162.15	172.80	MAS S		S
2% joints				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

Initials: ________

From	To	Litho
162.15	172.88	BDY

Dark gray basalt dyke, plagioclase & pyroxene fine grained with silica, quartz & fine grained DI PY, tiny CA strs. Upper contact is at 50 tca & lower contact is at 80 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
162.15	172.88	-	-	-	M	-	-	-	W	-	M			

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
162.15	172.88	0.1	10				

CA strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
162.15	172.88	0.1	DISS						

very fune grained DI PY

From	To	Litho
172.88	182.16	AND

Dark brown in color fine grained andesite with transitional zone to monzonite with weak potassic alteration & strong silica altn, narrow granodiorite zones. Qz-PY-MO VNs & strs. Tiny PY strs are commonly disseminated. MO presents generally in Qz veinlets & strs. Magnetite in very weak.
@173.05m: branched out 30mm Qz-PY-MO VN, 65 tca is present.
@173.33m: a significant 16cm Qz-PY-MO-MG VN, 65 tca observed.
From 173.63 to 175.50m stockwork of 10-20mm Qz-PY-MO VNs, 60-80 tca.
@175.95m: presence of a thick 96mm Qz-PY-MO VN, 65 tca.
@177.07m:a solid 16cm quartz-granodiorite zone, 60 tca with subparallel 24mm Qz-PY-MO VNs.
From 181.55 to 182.16m a significant 30mm Qz-Po-PY-MG-MO VN, 5 tca (presence of MO is up to 1% in this VN)

STRUCTURES

From	To	Struct	CA	Strain
172.88	182.16	MASS		S

~3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
172.88	182.16	-	-	W	M	-	M	W	VW	W	M	M	M	

PO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
172.88	182.16	8	20	10	1	2	60

~2-3 VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
172.88	182.16	2	VLT	PO	2	MO	0.10		

>0.1 MO in this interval

From	To	Litho
172.88	182.16	AND

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
182.16	200.80	GDIO

Granodiorite with vague upper contact & sharp lower contact at~80 tca. The main body of the granodiorite is grey coloured, fine grained groundmass rock with ~25% plagioclase feldspar phenocrysts. The core is mineralized by a narrow Qz-PY-PO-MO VNs with pyrite and pyrrhotite strs & BB. A large 2.8m offwhite Qz zone is observed between 183.52 - 186.32m.
@188.93m: presence of 20mm Qz VN with MO streaks, 60 tca.
From 190.00 to 190.48m a broken core observed with CA on fractures.
From 191.00 to 191.50m quartz-granodiorite zone with up to 50% Qz is present with MO contents ~0.2%.
@193.85m: location of a selvaged 16mm Qz-Py-MO VN, 35 tca.
From 195.91 to 196.40m presence of a quartz-granodiorite zone , approximatly 50% Qz and 0.2% MO.
@196.60m: selvaged 24mm Qz-Py-MO VN, 45 tca is present.
From 199.11-199.50m contorted 30mm Qz-PY-MO VN, 60 tca with selvaged 12mm Qz-Py-MO VN, 10 tca radiating from the main VN observed.

STRUCTURES				
From	To	Struct	CA	Strain
182.16	200.80	MASS		M

partially broken core with CA on fracture

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
182.16	200.80	-	-	-	M	-	W	-	W	-	M	M	M	

CA altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
182.16	200.80	5	30	15	2	2	45

thick Qz VNs are present

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
182.16	200.80	2	DISS	MO	0.1				

up to 0.1% MO

From	To	Litho
200.80	220.00	AND

Dark brown in color, fine grained andesite, blotches of chloritic green & EPI altn. Core cut by Qz-PY-MO VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is common, generally presents along of Qz veinlets. Minor magnetite.
From 104.54 to 154.94m presence of a contorted & branched out 22mm Qz-PY-MO VN, 5 tca observed.
@107.20m: 18mm Qz-Py-MO VN,50 tca offset by Qz-PY-MO str, 0 tca.
From 208.00 to 211.44m stockwork of 18-30mm Qz-PY-MO VNs, 25-60 tca
@211.64m: solid 50mm Qz-PY-BIO-MO VN, 70 tca with 8mm branched out Qz-PY-MO VN, 45 tca observed.
From 211.70 to 212.00m location of a granodiorite dyke with upper contact to Qz-PY-MO VN at 70 tca & sharp lower contact at 30 tca.
From 312.70 to 214.32m a few boudinaged Qz-PY-MO VNs, 15-30 tca with EPI altn around are present.
From 216.62 to 217.00m a significant 44mm Qz-PY-PO-EPI-MO-CA VN, 25 tca located.
From 217.36 to 217.96m a significant 36mm Qz-PY-BIO-MO VN, 5 tca with EPI alt on halos is present.
From 219.17 to 220.00m a broken core with strong CA altn & fragments of 30mm Qz-PY-MO VN, 5 tca observed.

STRUCTURES

From	To	Struct	CA	Strain
200.80	220.00	MASS		M

219.17 to 220.0 broken core with strong CA altn

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
200.80	220.00	-	-	M	S	-	M	W	M	M	M	M	M	

CA, BIO & EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
200.80	220.00	6	20	10		3	40

3-4 VN/m in this interval

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
200.80	220.00	3	VLT	MO	0.15				

>0.1% mineralization

From	To	Litho
220.00	239.00	AND

Dark brown in color, fine grained andesite (~35% broken core with CA on fracture), blotches of chloritic green & EPI altn, flow banded zones. Core cut by CA & Qz-PY-MO VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is common, generally presents along Qz veinlets. Minor magnetite is ~1-2%.
From 221.28 to 222.12m: presence of a distorted 26mm Qz-PY-MO VN, 5 tca.
From 222.48 to 222.82m a significant 50mm Qz-PY-MO VN, 20 tca with MO specks & EPI altn on halos observed.
From 223.75 to 224.32m the location of a reticulated network of Qz-PY-MO VNs observed.
From 224.76 to 225.42m a dispersed 14mm Qz-PY-MO VN, 0 tca is present.
From 225.42 to 225.70m presence of fragments with CA on fractures.
@227.40m: a solid 66mm Qz-PY-MO VN, 40 tca with lower contact with 8mm CA VN at 40 tca.
From 228.54 to 229.21m a fragile granodiorite zone with CA strs & vague contacts observed.
From 230.42 to 230.84m location of a granodiorite zone with vague contacts & 11cm in thickness Qz VN, 80 tca.
@232.14m: a pink 20mm Qz-PY-PO-EPI VN, 20 tca is present.
@232.58m: a breccated 44mm Qz-Py-AB-PO-EPI VN, 60 tca located.
@434.48m: presence of a solid 50mm Qz-PY-MO VN, 65 tca.
From 234.86 to 238.58m the cote is mottled by contorted narrow Qz-PY-MO VNs, 10-75 tca.
@238.58m: location of a solid 32mm Qz-PY-Chl VN, 30 tca observed.

STRUCTURES

From	To	Struct	CA	Strain
220.00	239.00	MASS		M
~35% broken core				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
220.00	239.00	-	-	M	M	-	M	VW	M	M	M	W	W	VW
CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
220.00	239.00	6	10	6	2	3	30
~3 VN/m							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
220.00	239.00	3	VLT	MO	0.1				
~2% MG									

From	To	Litho
239.00	247.10	AND

Dark brown in color, fine grained andesite (~65% of the core is broken with CA on fractures), carbonate, blotches of chloritic green & EPI altn. The core is cut by CA & Qz-PY-MO VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is present generally.
@243.65m: a contorted 16mm Qz-Py-MO VN, 5tca is present.
@246.64m: location of a dispersed/streaked 50mm Qz-PY-MO VN, 5 tca observed.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
239.00	247.10	AND

Dark brown in color, fine grained andesite (~65% of the core is broken with CA on fractures), carbonate, blotches of chloritic green & EPI altn. The core is cut by CA & Qz-PY-MO VNs. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is present generally.
@243.65m: a contorted 16mm Qz-Py-MO VN, 5tca is present.
@246.64m: location of a dispersed/streaked 50mm Qz-PY-MO VN, 5 tca observed.

STRUCTURES

From	To	Struct	CA	Strain
239.00	247.10	FLT		W

>60% fragments <10cm

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
239.00	247.10	-	-	W	M	-	M	-	M	VW	W		M	

strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
239.00	247.10	6	8			3	

~3-4 VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
239.00	247.10	2	SM	MO	0.1				

0.1-0.15% MO in this interval

From	To	Litho
247.10	252.40	AND

Dark brown in color, fine grained andesite. Structure controlled by abundant contorted Qz-PY +/-MO VNs & strs (below 261.0m ~65% of the core is broken with CA on fractures & gouge), a subparallel vein filled and gouge filled of fault is observed at 261.0 - 262.36m. Blotches of chloritic green & EPI altn, flow banded zones. The core is cut by CA & Qz-PY-MO VNs.Vague transitional zone to siltstone. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is common, generally presents along of Qz veinlets. Minor magnetite is ~1-2%.
From 247.40 to 248.82m the core is mottled by distorted 8-28mm Qz-PY-MO-PO veinlets, 20-60 tca with >0.5% MO presence in this interval.
From 249.53 to 251.00m the core is mottled by contorted VNs, 10-80 tca with >0.5% MO presence in this interval.
From 251.37 to 251.83m a granodiorite zone with vague contacts.
@251.83m: a significant dispersed Qz-PY-MO-PO VN. 60 tca observed.

STRUCTURES

From	To	Struct	CA	Strain
247.10	252.40	MAS S		M

~30-40% broken core with CA on fracture

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
247.10	252.40	-	-	-	M	-	-	-	M	VW				

strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
247.10	252.40	15	26		2	6	10

abundant Qz-PY-MO VNs/strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
247.10	252.40	2	VLT	MO	0.5				

More than 0.5% MO in this interval

CH0613

Initials: ________

From	To	Litho
247.10	252.40	AND

Dark brown in color, fine grained andesite. Structure controlled by abundant contorted Qz-PY +/-MO VNs & strs (below 261.0m ~65% of the core is broken with CA on fractures & gouge), a subparallel vein filled and gouge filled of fault is observed at 261.0 - 262.36m. Blotches of chloritic green & EPI altn, flow banded zones. The core is cut by CA & Qz-PY-MO VNs.Vague transitional zone to siltstone. Pyrite is moderately abundant in veinlets form and less commonly disseminated. MO is common, generally presents along of Qz veinlets. Minor magnetite is ~1-2%.
From 247.40 to 248.82m the core is mottled by distorted 8-28mm Qz-PY-MO-PO veinlets, 20-60 tca with >0.5% MO presence in this interval.
From 249.53 to 251.00m the core is mottled by contorted VNs, 10-80 tca with >0.5% MO presence in this interval.
From 251.37 to 251.83m a granodiorite zone with vague contacts.
@251.83m: a significant dispersed Qz-PY-MO-PO VN. 60 tca observed.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
252.40	274.00	HSLT

Fragile hornfelsed siltstone; structure also controlled by distorted Qz-MO VNs (0.1% MO) & CA strs, broken core (~30%), BIO & PY BB on fractures.Fine grained from dark-redish to black hornfelsed siltstone with biotite and weak silica altered with CA strs. Presence of an abundant pink Qz veining Qz strs observed in this interval. Through the length of the interval: dark brown, hornfelsed biotite and silica altered. The interval has vague upper contact with surrounding granodiorites narrow zones with large cm scale pinkish Qz veins defining their contacts. Alteration, much like in previous intervals, is an assumed biotite alteration giving rise to the dark brown colouring with from weak to moderate presence of silica. Magnetite is weak and disseminated within the body of the rock. Veining is dominantly present as larger cm scale white veins that are commonly on bedding direction with some occasional veining running subparallelly. Parallel foliation veining and boudined veining are observed throughout of this interval.
Below 252.40 m location of a zone with abundant contorted & dispersed Qz-PY-MO VNs/strs mostly 30-40 tca (>0.5% MO) observed.
@257.65m: minor 6cm granodiorite porphyry dyke, 40 tca.
From 259.50 to 261.12m a sinificant 60mm contorted Qz-PY-MO-PO-MG VN, 0 tca (up to 1% MO in this interva) is present.
From 261.12 to 262.46m broken core is located with CA on fractures.
From 262.46 to 274.04m core is mottled by abundant contorted & distorted Qz-PY-MO VNs, 0-20 tca (~1% MO in this interval).

STRUCTURES

From	To	Struct	CA	Strain
252.40	274.00	BDG	15	M

3-4% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
252.40	274.00	-	-	W	M	-	M	-	M	VW	M		M	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
252.40	274.00	15	20		2	6	15

Parallel foliation veining

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
252.40	274.00	3	-	MO	0.6	PO	2.00		

up to 0.5-1.0% mo in tis internal

From	To	Litho
252.40	274.00	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
274.00	294.44	HSLT

Fragile hornfelsed siltstone dominatly mottled by contorted Qz-MO VNs (>0.2-0.3% MO) & CA strs, broken core (~30%), BIO & PY BB on fractures, silica altered & CA strs. An abundant pink Qz veining & strs observed in this interval are dominantly the larger cm scale white veins that commonly located in bedding direction, with abundant dispersed running subparall foliation veining and boudined veining. Both are observed throughout the interval.
@274.04m: a solid 40mm Qz-PY-MO VN, 35 tca is present.
From 274.04 to 275.19m a granodiorite zone with 35 tca upper & lower contacts is located.
From 277.70 to 278.66m: presence of 18mm Qz-PY-MO VN, 5 tca.
From 279.20 to 280.00m three subparallel 28-30mm Qz-PY-MO VNs, 15 tca are observed.
From 281.44 to 285.28m stockwork of 10-30m Qz-PY-MO VNs, 30-50 tca are present.
From 285.28 to 286.18m a granodiorite zone with sharp upper contact & lower contact at 30 tca observed.
From 287.50 to 288.40m a granodiorite zone with the upper contact at 20 tca & the lower contact at 30 tca located.
@288.64m: 18cm granodiorite zone with the upper contact at 60 tca & the lower contact at20 tca observed.
Below 288.84m the core is mottled by abundant veining running subparall bedding.
@291.90m: a solid 56mm z-PY-MO VN, 40 tca is present.

STRUCTURES				
From	To	Struct	CA	Strain
274.00	294.44	BDG	30	M

2-3 % joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
274.00	294.44	-	VW	W	M	-	-	M	M	VW	M		M	

silica altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
274.00	294.44	6	8		1	4	20

abundant veining running subparall bedding

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
274.00	294.44	2	VLT	MO	0.4				

>0.4% MO in this interval

From	To	Litho
294.44	325.35	HSLT

Fine grained from dark-reddish to black hornfelsed siltstone with biotite and weak silica alteration, dominantly mottled by contorted Qz-MO VNs (0.2-0.3% MO). Veining is dominantly the larger cm scale pink & white veins that are commonly in bedding direction, with abundant running subparallel foliation veining and boudined veining which are observed throughout the interval.
From 319.90 to 325.35m location of a quartz-granodiorite zone with BIO specks. The upper contact with siltstone is at 55 tca and the lower contact is at 60 tca.
From 294.80 to 297.48m presence of a siltstone with minor granodiorite dyke (sharp upper & lower cotacts) & stockwork of contorted 10-24mm Qz-PY-MO VNs mostly at 30 tca.
From 297.48 to 301.58m location of a dark granodiorite porphyry plagioclase with occasional pink Qz VNs. Upper & lower contacts are at 30 tca.
@305.30m: contorted 30mm Qz-PY-Chl-MO VN, 90 tca.
From 301.58 to 309.75m siltstone is mottled by contorted Qz-PY-MO VNs/strs, storong silica altn.
From 305.75 to 306.78m presence of a broken core with CA & Chl on fractures.
@310.78m: a distorted 26mm Qz-PY-MO VN, 30 tca present.
From 313.78 to 314.16m knot of contorted 20-46m Qz-PY-MO VNs, 35-90 tca observed.
@310.82m: a dispersed 36mm Qz-PY-MO VN, 30 tca located.
@319.22m: presence of a solid 40mm Qz-PY-MO VN, 35 tca.
From 319.60 to 321.12m location of a broken core with strong CA altn.

STRUCTURES

From	To	Struct	CA	Strain
294.44	325.35	BDG	30	M

319.6 to 321.12 broken core, strong CA altn. @319.9m contact with quartz granodiorite, 55 tca.

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
294.44	325.35	-	-	-	M	-	M	-	M	VW	M		M	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
294.44	325.35	4	30		1	3	30

319.9 to 325.35m guartz/quartz-granodiorite zone

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
294.44	325.35	2	VLT	MO	0.2				

~0.2% MO

CH0613

Initials: ________

From	To	Litho
325.35	356.20	AND

Drab gray to greenish fine grained aphanitic andesite with transitional zones to monzonite & feldspar phenocrysts, anhedral plagioclase; MO presents in dendritic Qz VNs/strs, strong silicification, weak MG, mod BIO, system of pink Qz-PY-MO VNs with ~0.2% MO, PY BB & tiny PY strs, PO & EPI altn, weak Cpy presence.
@325.63m: solid 80mm Qz-PY-MO-EPI VN, 45 tca.
@326.12m: solid 60mm Qz-PY-PO-MO-EPI VN, 15 tca.
From 333.03 to 333.77m location of a significant distorted 20cm Qz-PY-PO-MO VN, 35 tca observed.
From 334.64 to 338.12m stockwork of 10-60mm Qz-P-MO VNs, 40-80 tca (approx two VN/m) is present.
@338.46m: presence of a contorted 86mm Qz-PY-MO-PO VN, 55 tca.
From 342.00 to 356.20m the core is mottled by contorted cms scale Qz-PY-MO-PO VNs in diff. orient. (>0.3% MO).

STRUCTURES

From	To	Struct	CA	Strain
325.35	356.20	MASS		M

~2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
325.35	356.20	-	-	M	M	-	M	M	M	W	M	M	M	

silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
325.35	356.20	8	40	15		3	30

abund cm scale Qz-PY-MO VN

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
325.35	356.20	3	VLT	PO	2	MO	0.30		

patially more than 0.3% MO in this interval

Initials: ________

From	To	Litho
356.20	**371.10**	**AND**

Drab gray to greenish fine grained aphanitic andesite with transitional zones with monzonite & feldspar phencrysts, anhedral plagioclase; MO presents in thick cm scale Qz VNs; strong silicification, weak MG, mod BIO; system of pink Qz-PY-MO VNs with >0.2% MO, PY BB & tiny PY strs, PO & EPI altn.
@350.94m: a significant 20cm in thickness Qz-PY-MO-PO-EPI VN, 40 tca observed.
From 353.30 to 355.60m presence of a stockwork of 10-50mm Qz-PY-MO-PO VNs, 40-70 tca with EPI altn around.
From 356.16 to 357.19m a significant 50mm Qz-PY-MO-PO-Chl-EPI VN, 0 tca with a few narrow VNs radiating from the main VN located.
From 357.4 to 358.44m a significant distorted 48mm Qz-PY-MO-PO VN, 5 tca is observed.
From 360.70 to 361.10 m a few subparallel distorted 14-40mm Qz-PY-MO VNs, 30-50 tca are observed.
From 362.30 to 362.54m a thick Qz-PY-MO-PO VN with vague bedding contacts is present.
From 363.54 to 363.32m Qz-carbonate zone with MO strs, 50 tca located.
From 364.60 to 364.84m a thick distorted 50mm Qz-PO-PY-MO VN, 5 tca is present.
From 365.00 to 366.24m a distorted Qz-PLO-PY-MO-MG VN, 0 tca observed.
From 367.50 to 368.26m a granodiorite zone with Qz-PY-MO Vns with contacts at 50 tca.
Below 370.00 m distorted cm scale Qz-PY-MO VNs, 20-25 tca observed.

STRUCTURES

From	To	Struct	CA	Strain
356.20	371.10	MAS S		M

~3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
356.20	371.10	-	-	W	S	-	M	W	M	W	M	M	M	

silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
356.20	371.10	6	40	20		3	20

cote mottled by Qz-PY-PO-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
356.20	371.10	3	VLT	PO	1	MO	0.20		

>0.2% MO in ths interval

From	To	Litho
371.10	394.06	HSLT

Fragile hornfelsed siltstone dominatly mottled by contorted Qz-MO VNs (>0.2-0.3% MO) & CA strs, 30% of the core is broken with CA & BIO on fractures, silica altered & CA strs. Abundant pink Qz veining & strs in this interval are dominantly the cm scale veins that commonly located in bedding direction with abundant dispersed running subparallel foliation veining and boudinaged veining and both are observed throughout the interval.
From 386.40 to 389.92m granodiorite porphyry medium grained groundmass and occasional subheudral plagioclase phenocrysts; occasional narrow Qz VNs, 50 tca with upper and lower contacts at 40 tca..
From 371.10 to 372.50m stockwork of contorted 10-22mm Qz-PY-PO-MO VNs, 20-60 tca.
@372.78m: contorted 50mm Qz-AB-PO-MO VN, 75 tca is present.
From 373.00 to 379.27m location of a fragile siltstone zone with contorted Qz-PY-PO-MO veinlets & Qz-PY strs running in subparallel foliation at 10-20 tca. (~35% of the core is broken).
From 379.30 to 380.00m granodiorite porpyry with CA strs observed.
From 379.80 to 381.54m presence of a broken core with Ca & BIO on fractures, 55% of core pieces are <10cm..
From 384.00 to 386.42m a stockwork of 10-30mm subparallel Qz-PY-MO VN, 40 tca is present.
From 389.92 to 390.22m two 20-38mm Qz-PY-MO VNs, 30 & 50 tca are located.
Below 393.00m presence of fragile core that is partially broken with CA on fractures.
@393.34m brecciated 80mm Qz-AB-CA VN, 50 tca is present.
From 393.57 to 394.06m location of a dispersed 60mm Qz-AB-PO-BIO-MO VN, 10 tca observed.

STRUCTURES

From	To	Struct	CA	Strain
371.10	394.06	BDG	20	M

86.4 to 389.92m granodiorite dyke

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
371.10	394.06	-	-	VW	M	-	M	-	M	VW	W	W	W	VW

silica, BIO, AB & CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
371.10	394.06	6	15	10	3	3	20

core looks mottled by Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
371.10	394.04	2	VLT	PO	2	MO	0.20		

0.2% MO in this inteval

From	To	Litho
394.06	415.15	HSLT

Fragile dark brown hornfelsed siltstone dominatly mottled by contorted narrow Qz-MO VNs (>0.1% MO) & abundant CA strs, up to 65% of the core is broken and assosiate with fault and CA, BIO & MO on fractures. Granodiorite dyke from 402.60 to 415.15m with upper contact at 30 tca & vague lower contact.
From 397.74 to 397.96m location of two contorted 26mm & 42mm Qz-PY-MO VNs, 30 tca observed.
From 398.24 to 398.96m presence of three 24-32mm Qz-PY-MO VNs, 30 tca.
Below 401.58m there is a zone with contorted 12-24m Qz-PY-PO-MO VN, 20-60 tca.
From 408.22 to 408.60m presence of a significant 32cm Qz-PO-MO VN, 35 tca observed.
From 402.60 to 415.15m a granodiorite dyke zone, medium grained groundmass and occasional subheudral plagioclase phenocrysts with CA altn are present.
From 411.22 to 411.27m a narrow Qz-PY-MO veinlets with quartz zone observed.

STRUCTURES

From	To	Struct	CA	Strain
394.06	402.60	FLT		W
fragile siltstone; from 402.6 to 415.15m granodiorite dyke with CA altn, narrow Qz-PY-MO VNs				
402.60	415.15	MASS		W
granodiorite zone				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
394.06	415.15	-	-	VW	W	-	M	-	M	VW	M	M	M	
BIO & CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
394.06	415.15	5	10	5	2	3	20
core looks mottled by Qz-PY-MO VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
394.06	415.15	3	VLT	MO	0.3				
~0.2-0.3% MO in this interval									

CH0613

Initials: _______

From	To	Litho
415.15	440.60	HSLT

Fine grained dark-reddish hornfelsed siltstone with biotite and weak silica altered, dominatly mottled by contorted Qz-MO VNs (~0.1% MO). Veining is dominantly present as the larger cm scale pink & white veins that commonly are in bedding direction but with running subparallel foliation veining and boudined. Thick & contorted veining are observed throughout this interval.
From 419.72 to 427.56m presence of a granodiorite dyke porphyry zone, medium grained groundmass and occasional subheudral plagioclase phenocrysts with interbedded narrow siltstone zones, Qz-MO veinlets, uppper contact at 40 tca, lower contact at 70 tca.
@417.10m: location of a brecciated Qz-PY-MO-AB-BIO-MG VN, 20 tca observed.
@423.75m: a narrow 3mm MO VN, 40 tca is present.
@428.84m: a solid 48mm Qz-PY-MO VN, 50 tca located.
From 429.25 to 429.53m a significant Qz-PO-MO VN, 75 tca observed.
From 430.36 to 430.72m a zone with 10cm in thickness Qz-PY-MO-PO-AB VN, 50 tca present.
From 432.20 to 432.60m there is a presence of a distorted 40mm Qz-PY-MO-PO-EPI VN, 20 tca.
From 434.00 to 434.76m a few contorted cm scale Qz-PY-MO VNs, 20-50 tca observed.
From 434.88 to 436.16m a boudinaged 22mm Qz-PY-MO VN, 0 tca located.
@436.64m: a solid 12cm Qz-PY-MO-PO VN, 30 tca is present.
@439.30m: a pink 30mm Qz-PY-MO VN, 35 tca observed.

STRUCTURES

From	To	Struct	CA	Strain
415.15	419.72	BDG		M
	~2% joints			
419.72	427.56	MASS		M
	granodiorite dyke			
427.56	440.60	BDG		M
	~2% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
415.15	440.60	-	-	-	W	-	M	-	W	VW	M	VW	M	
	mod BIO & very weak EPI altn													

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
415.15	440.60	8	10			1	4
	abund contorted Qz-PY-MO VNs						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
415.15	440.60	3	VLT	MO	0.1				
	~0.1% MO in this interval								

From	To	Litho
415.15	440.60	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
440.60	458.00	HSLT

Fine grained dark-reddish hornfelsed siltstone mottled by contorted Qz-MO VNs (~0.1% MO). Veining is pink & white that is commonly in bedding direction with running subparall foliation. Thick & contorted veining are observed throughout this interval.
From 440.74 to 441.20m presence of a broken core with CA on fractures.
From 441.30 to 442.14m a contorted 22mm Qz-PY-MO-PO VN, 0 tca observed.
From 442.20 to 442.66m location of a broken core (mostly fragments) with CA on fractures.
@442.80m: a contorted Qz-AB-PO Vn, 15 tca is present.
@443.30m: a dictorted 44mm carbonate Qz-PY-MO VN, 30 tca located.
From 443.75 to 443.95m a small pieces of broken core are present.
From 444.60 to 448.00m location of a garnodiorite dyke medium grained groundmass and occasional subheudral plagioclase phenocrysts with interbedded siltstone from 446.84 to 447.35m. Upper & lower contacts are at 35 tca.
From 448.94 to 449.40m there is a presence of a distorted 12mm Qz-Py-MO VN, 0 tca.
@450.66m: rim of Qz-PY-MO-PO VN, 35 tca is observed.
@450.92m: a selvaged 32mm Qz-PY-MO VN, 35 tca is present.
From 455.00 to 455.62m presence of a zone with two deformed 20-24mm VNs, 20 tca observed.
From 457.31 to 457.60m location of a significant Qz-PY-MO VN, 35 tca.

STRUCTURES				
From	To	Struct	CA	Strain
440.60	444.60	BDG	20	W
~6% joints				

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
440.60	451.40	-	-	VW	VW	-	M	-	W	VW	W	W	M	
Ca altn														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
440.60	451.30	5	10	4	2	4	20
abundant narrow Qz-PY-MO VNs							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
440.60	458.00	3	VLT	MO	0.1	PO	1.00		
>0.1% MO in this interval									

CH0613

Initials: ________

From	To	Litho
440.60	458.00	HSLT

Fine grained dark-reddish hornfelsed siltstone mottled by contorted Qz-MO VNs (~0.1% MO). Veining is pink & white that is commonly in bedding direction with running subparall foliation. Thick & contorted veining are observed throughout this interval.
From 440.74 to 441.20m presence of a broken core with CA on fractures.
From 441.30 to 442.14m a contorted 22mm Qz-PY-MO-PO VN, 0 tca observed.
From 442.20 to 442.66m location of a broken core (mostly fragments) with CA on fractures.
@442.80m: a contorted Qz-AB-PO Vn, 15 tca is present.
@443.30m: a dictorted 44mm carbonate Qz-PY-MO VN, 30 tca located.
From 443.75 to 443.95m a small pieces of broken core are present.
From 444.60 to 448.00m location of a garnodiorite dyke medium grained groundmass and occasional subheudral plagioclase phenocrysts with interbedded siltstone from 446.84 to 447.35m. Upper & lower contacts are at 35 tca.
From 448.94 to 449.40m there is a presence of a distorted 12mm Qz-Py-MO VN, 0 tca.
@450.66m: rim of Qz-PY-MO-PO VN, 35 tca is observed.
@450.92m: a selvaged 32mm Qz-PY-MO VN, 35 tca is present.
From 455.00 to 455.62m presence of a zone with two deformed 20-24mm VNs, 20 tca observed.
From 457.31 to 457.60m location of a significant Qz-PY-MO VN, 35 tca.

STRUCTURES

From	To	Struct	CA	Strain
444.60	448.00	MASS		S
	garnodiorite dyke			
448.00	458.00	BDG		
	~5% jonts			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

Initials: ________

From	To	Litho
458.00	481.36	HSLT

Fine grained dark-reddish hornfelsed siltstone mottled by contorted Qz-MO VNs (>0.1% MO). Veining is pink & white that is commonly in bedding direction with running subparallel foliation; thick & ptygmatic veining observed throughout this interval.
@458.40m: presence of a hick 12cm Qz-PY-MO VN, 55 tca with bunch of subparallel strs.
From 459.00 to 460.00m reticulated network of 8-20mm Qz-Py-PO-MO VNs observed.
@460.28m: location of a selvaged 12mm Qz-PY-MO VN, 15mm is present.
From 462.16 to 463.44m anastomosing 20mm Qz-PY-PO-MO-EPI veinlets are located.
@464.70m: a knot of 20mm Qz-PY-MO veinlets observed.
From 466.40 to 467.30m presence of a broken core with siltstone & quarz fragments is observed.
From 470.48 to 470.96m a significant 60mm Qz-PY-MO VN, 5 tca is present.
@471.74m: there is a location of a selvaged 36mm Qz-Py-MO-Chl VN, 50 tca.
From 473.62 to 474.22m a distorted significant 66mm Qz-PY-MO-AB-PO-MG-CA-EPI VN, 5 tca observed.
From 474.80 to 481.36m an abundant veining is observed which is commonly located in bedding direction at 20-30 tca with running subparall foliation; thick contorted veining observed throughout this interval.
From 479.75 to 480.66m presence of a broken coke with CA & MO on fractures.

STRUCTURES

From	To	Struct	CA	Strain
458.00	481.36	BDG	20	M

5% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
458.00	481.36	-	-	-	M	-	M	-	W	VW	M	W	M	

CA & PO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
458.00	481.36	8	15		1	4	20

VNs commonly on bedding direction with running subparall foliation

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
458.00	481.36	2	VLT	PO	1	MO	0.10		

>0.1% MO throghtout this interval

From	To	Litho
481.36	504.00	HSLT

Fine grained dark-reddish hornfelsed siltstone with biotite and CA altered, dominantly mottled by contorted Qz-MO VNs (~0.1% MO). Presence of interlaced veins is observed which are commonly running at zero tca; boudinaged, cm scale/thickness & ptygmatic veining observed throughout this interval. The core is fragile with CA, CA, BIO & MO on fractures.
@482.72m: a thick distorted 11cm Qz-PY-MO VN, 90 tca observed.
From 486.94 to 488.00m presence of a boudinaged 20mm Qz-PY-MO VN, 0 tca with subparallel boudinaged strs. is observed.
From 490.70 to 491.10m a distorted 40mm Qz-PY-MO VN, 0 tca is present.
From 492.24 to 493.00m a boudinaged 20mm Qz-PY-MO VN, 0 tca with subparallel boudinaged strs located.
From 493.10 to 495.60m a fault zone with up to 60% of broken core observed.
From 496.94 to 497.10m a knot of ptygmatic 20mm Qz-PY-AB-MMO VNs, 0 tca is present.
@498.16m: a ptygmatic 28mm Qz-PY-MO VN, 15 tca with subparallel strs. is observed
From 499.40 to 499.74m presence of a ptygmatic 26mm Qz-PY-MO VN, 35 tca observed.
Below 499.74m there is a ocation of a network of narrow ptygmatic VNs/strs.
@502.20m: a branched out 22mm Qz-PY-MO-PO VN, 35 tca is present.

STRUCTURES

From	To	Struct	CA	Strain
481.36	493.10	BDG	10	M
~5% joints				
493.10	495.60	FLT		W
~60% broken core, CA on fracture				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
481.36	504.00	-	-	VW	M	-	M	-	M	VW	M		M	
CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
481.36	504.00	5	8		2	3	10
abundant ptygmatic Qz strs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
481.36	504.00	2	VLT	MO	0.1				
>0.1% MO									

CH0613

Initials: ________

From	To	Litho
504.00	522.20	HSLT

Fragile fine grained dark-reddish hornfelsed siltstone with narrow granodiorite zones; biotite and CA altered, core is mottled by contorted Qz-MO VNs (~0.2% MO). Presence of ptygmatic & contorted interlaced veining & strs observed throughout this interval.
From 505.00 to 505.74m granodiorite porphyry with Qz-AB lenses observed; upper & lower contacts are at 50 tca..
From 507.15 to 512.46m presence of a broken core with CA & MO on fractures.
From 512.80 to 513.46m location of a carbonate zone with narrow deformed Qz-PY-MO VNs.
From 513.46 to 516.50m granodiorite zone with contorted Qz-PY-MO VNs observed. Upper contact is at 40 tca, lower contact is at 10 tca.
From 518.26 to 519.05m interbedded granodiorite porphyry with Chl & silica altn. present
From 519.38 to 522.20m presence of a fault zone (~60% of the core is broken) with gouge and CA on fractures. Traces of Qz-PY-MO VNs on fragments.

STRUCTURES

From	To	Struct	CA	Strain
504.00	505.00	BDG		M
siltstone				
505.00	505.74	MASS		M
granodiorite dyke				
505.74	512.46	FLT		W
fragile siltstone with broken core				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
504.00	522.20	-	-	-	M	-	M	-	M	VS	M	M	M	
CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
504.00	522.20	4	6	5	2	2	10
ptygmatic & contorted narrow Qz-PY-MO VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
504.00	505.00	2	VLT	MO	0.2				
~0.2 % MO in this interval									
505.00	522.20	1	DISS						
traces of MO VNs in jonts									

From	To	Litho
504.00	522.20	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
512.46	513.46	BDG		M
siltstone with carbonate				
513.46	516.50	MASS		M
granodiorite zone				
516.50	518.26	BDG		W
fragile siltstone				
518.26	519.05	MASS		M
granodiorite dyke				
519.05	522.20	FLT		W
broken core with gouge				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
522.20	545.20	GDIO

The main body of granodiorite is grey in colour medium grained groundmass rock with ~30% plagioclase feldspar phenocrysts. The core is mineralized by narrow Qz-PY-PO-MO VNs with pyrite and pyrrhotite strs & BB. The granodiorite is fresh looking rock with partially CA altn; upper contact is at 40 tca & lower contact is at 15 tca.
From 531.50 to 532.76m presence of a broken core (fragments are with CA on fractures).
From 538.44 to 538.86m stockwork of 8-20mm Qz-PY-MO VNs, 40-50 tca observed.
@541.33m distorted 30mm Qz-PY-MO VN, 15 tca is present.
From 544.12 to 544.54m location of a narrow interbedded siltstone zone with brecciated contacts.

STRUCTURES

From	To	Struct	CA	Strain
522.20	545.20	MASS		M
2 % joints				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
522.20	545.20	-	-	-	M	-	M	VW	M	-	M	M	M	
531.5 to 532.76m strong CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
522.20	545.20	2	40	20	2	2	40
Qz-PY-MO VNs presence							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
522.20	545.20	2	DISS	MO	0.05	PO	1.00		
weak MO mineralization									

From	To	Litho
522.20	545.20	GDIO

The main body of granodiorite is grey in colour medium grained groundmass rock with ~30% plagioclase feldspar phenocrysts. The core is mineralized by narrow Qz-PY-PO-MO VNs with pyrite and pyrrhotite strs & BB. The granodiorite is fresh looking rock with partially CA altn; upper contact is at 40 tca & lower contact is at 15 tca.
From 531.50 to 532.76m presence of a broken core (fragments are with CA on fractures).
From 538.44 to 538.86m stockwork of 8-20mm Qz-PY-MO VNs, 40-50 tca observed.
@541.33m distorted 30mm Qz-PY-MO VN, 15 tca is present.
From 544.12 to 544.54m location of a narrow interbedded siltstone zone with brecciated contacts.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
545.20	565.63	HSLT

Fine grained reddish-brown hornfelsed siltstone mottled by contorted Qz-MO VNs (>0.1% MO). Veining is pink & white located commonly along the core in bedding direction with running subparallel foliation. Ptygmatic & contorted veining observed throughout this interval. Narrow granodiorite dykes are present.
From 545.20 to 550.96m presence of fragile siltstone zone. The core fragility is the result of CA altn with CA-MO-BIO on fractures.
@547.93m: a deformed 30mm Qz-PY-MO VN, 10 tca observed.
From 549.26 to 550.10m a breccia zone with deformed Qz-MO VNs & PY, PO, MG & BIO blotches present.
@550.30m: a ptymatic 50 mm Qz-PY-MO VN, 35 tca is observed.
From 550.96 to 555.75m presence of a quartz-granodiorite zone with upper contact at 40 tca & lower contact at 15 tca & Qz veining along the core.
From 552.90 to 554.20m location of a significant 60mm Qz-PY-MOPO-AB VN, 0 tca.
From 555.75 to 557.10m siltstone with network ptygmatic narrow Qz-Py-MO VNs observed.
From 557.10 to 560.90m a granodiorite zone with contorted Qz veins, upper contact at 30 tca & lower contact at 10 tca located.
@558.36m: a pink 32mm Qz-PY-MO VN, 20 tca is present.
Below 561.00m hornfelsed siltstone with ptygmatic 8-12mm Qz-PY-MO VNs, 0 tca is observed.

From 555.75 to

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
545.20	565.63	HSLT

Fine grained reddish-brown hornfelsed siltstone mottled by contorted Qz-MO VNs (>0.1% MO). Veining is pink & white located commonly along the core in bedding direction with running subparallel foliation. Ptygmatic & contorted veining observed throughout this interval. Narrow granodiorite dykes are present.
From 545.20 to 550.96m presence of fragile siltstone zone. The core fragility is the result of CA altn with CA-MO-BIO on fractures.
@547.93m: a deformed 30mm Qz-PY-MO VN, 10 tca observed.
From 549.26 to 550.10m a breccia zone with deformed Qz-MO VNs & PY, PO, MG & BIO blotches present.
@550.30m: a ptymatic 50 mm Qz-PY-MO VN, 35 tca is observed.
From 550.96 to 555.75m presence of a quartz-granodiorite zone with upper contact at 40 tca & lower contact at 15 tca & Qz veining along the core.
From 552.90 to 554.20m location of a significant 60mm Qz-PY-MOPO-AB VN, 0 tca.
From 555.75 to 557.10m siltstone with network ptygmatic narrow Qz-Py-MO VNs observed.
From 557.10 to 560.90m a granodiorite zone with contorted Qz veins, upper contact at 30 tca & lower contact at 10 tca located.
@558.36m: a pink 32mm Qz-PY-MO VN, 20 tca is present.
Below 561.00m hornfelsed siltstone with ptygmatic 8-12mm Qz-PY-MO VNs, 0 tca is observed.

From 555.75 to

STRUCTURES

From	To	Struct	CA	Strain
545.20	550.96	BDG		W
fragile hornfelsed siltstone				
550.96	555.75	MAS S		M
granodiorite dyke with CA strs, 8% joints				
555.75	557.10	BDG		M
hornfelsed siltstone				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
545.20	565.63	-	-	VW	M	-	M	-	M	-	M	M	M	
CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
545.20	565.63	5	20	8	2	3	0
siltstone mottled by contorted Qz-MO VNs, >0.1% MO							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
545.20	565.63	3	VLT	MO	0.1				
up to 0.1% MO throughout the core									

From	To	Litho
545.20	565.63	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
557.10	560.90	MASS		M
granodiorite dyke with pink Qz Vns				
560.90	565.63	BDG		S
hornfelsed siltstone				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
565.63	594.00	HSLT

Fine grained reddish-brown hornfelsed siltstone looks mottled; contorted Qz-MO VNs (~0.1% MO are present. Veining in this interval is commonly located along the core (in bedding direction). Ptygmatic & contorted veining observed throughout the interval. Granodiorite dykes are present.
@565.74m: presence of a solid 30mm Qz-PY-MO VN, 10 tca.
From 568.24 to 568.46m a knot of contorted Qz-PY-MO VNs are present.
From 568.46 to 568.76m broken core and core fragments observed.
From 569.10 to 510.30m location of a ptygmatic 36mm Qz-PY-MO-AB-BIO VN, 0 tca observed.
@571.60m: a solid 70mm Qz-PY-MO-BIO-EPI VN, 55 tca present.
@572.00m: location of a contorted 30mm Qz-PY-MO VN, 10 tca observed.
From 572.56 to 572.88m presence of a Qz alteration zone and abundant Qz-PY-MO strs around.
From 573.38 to 573.66m a thick Qz-PY-MO VN, 85 tca is present.
From 573.66 to 585.85m granodiorite dyke porphyry with contorted Qz-PY-MO VNs.Upper contact at 85 tca, lower contact at 45 tca.
From 581.80 to 582.00m a solid Qz-PY-MO-BIO VN, 80 tca present.
From 582.82 to 582.98m a solid Qz-PY-BIO-MO VN, 75 tca observed.
From 585.80 to 590.00m presence of a siltstone zone with contorted Qz veinlets.
From 590.00 to 592.70m granodiorite with 33mm Qz-Py-MO VN, 65 tca.
From 592.70 to 594.00m siltstone with Qz-PY-MO strs observed.

STRUCTURES

From	To	Struct	CA	Strain
565.63	573.66	BDG		S
siltstone				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
565.63	594.00	-	-	-	M	-	M	VW	M	VW	M	M	M	
BIO altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
565.63	594.00	8	35	15	1	2	0
abundant Qz-PY-MO VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
565.63	594.00	2	DISS	MO	0.1				
abundant Qz-PY+/-MO Vns.									

From	To	Litho
565.63	594.00	HSLT

Fine grained reddish-brown hornfelsed siltstone looks mottled; contorted Qz-MO VNs (~0.1% MO are present. Veining in this interval is commonly located along the core (in bedding direction). Ptygmatic & contorted veining observed throughout the interval. Granodiorite dykes are present.
@565.74m: presence of a solid 30mm Qz-PY-MO VN, 10 tca.
From 568.24 to 568.46m a knot of contorted Qz-PY-MO VNs are present.
From 568.46 to 568.76m broken core and core fragments observed.
From 569.10 to 510.30m location of a ptygmatic 36mm Qz-PY-MO-AB-BIO VN, 0 tca observed.
@571.60m: a solid 70mm Qz-PY-MO-BIO-EPI VN, 55 tca present.
@572.00m: location of a contorted 30mm Qz-PY-MO VN, 10 tca observed.
From 572.56 to 572.88m presence of a Qz alteration zone and abundant Qz-PY-MO strs around.
From 573.38 to 573.66m a thick Qz-PY-MO VN, 85 tca is present.
From 573.66 to 585.85m granodiorite dyke porphyry with contorted Qz-PY-MO VNs.Upper contact at 85 tca, lower contact at 45 tca.
From 581.80 to 582.00m a solid Qz-PY-MO-BIO VN, 80 tca present.
From 582.82 to 582.98m a solid Qz-PY-BIO-MO VN, 75 tca observed.
From 585.80 to 590.00m presence of a siltstone zone with contorted Qz veinlets.
From 590.00 to 592.70m granodiorite with 33mm Qz-Py-MO VN, 65 tca.
From 592.70 to 594.00m siltstone with Qz-PY-MO strs observed.

STRUCTURES

From	To	Struct	CA	Strain
573.66	585.85	MAS S		S
granodiorite				
585.85	594.00	BDG		S
siltstone with narrow granodiorite zone				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

 Initials: ________

From	To	Litho
594.00	626.06	GDIO

The main body of the granodiorite is grey in colour medium grained groundmass rock with ~30% plagioclase feldspar phenocrysts. The core is mineralized by narrow Qz-PY-PO-MO VNs with pyrite and pyrrhotite strs & BB. The granodiorite is fresh looking rock with partially CA altn.

STRUCTURES

From	To	Struct	CA	Strain
594.00	626.06	MAS S		M
	~2% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
594.00	626.06	-	-	-	M	-	M	VW	M	VW	M		M	
BIO, Chl & CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
594.00	626.06	2	40	30	2	2	50
contorted Qz-PY +/-MO VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
594.00	626.06	2	VLT	MO	0.5				
barren below 620.0m									

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0612

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46243	4.84	7.92	AND	CORE	0.03	0.003
46244	7.92	10.97	AND	CORE	0.03	0.004
46245				BLANK	0.00	0.000
46246	10.97	14.02	AND	CORE	0.04	0.002
46247	14.02	17.07	AND	CORE	0.03	0.001
46248	17.07	20.12	AND	CORE	0.02	0.001
46249	20.12	23.16	AND	CORE	0.04	0.003
46250				**MoS-1**	0.01	**0.064**
46251	23.16	26.21	AND	CORE	0.04	0.002
46252	26.21	29.26	AND	CORE	0.05	0.013
46253	29.26	32.31	AND	CORE	0.01	0.005
46254	32.31	35.36	AND	CORE	0.02	0.001
46255	35.36	38.41	AND	CORE	0.03	0.002
46256	38.41	41.45	AND	CORE	0.02	0.002
46257	41.45	44.50	AND	CORE	0.02	0.001
46258	44.50	47.55	AND	CORE	0.02	0.000
46259	47.55	50.60	AND	CORE	0.05	0.002
46260				DUPLICATE	0.04	0.002
46261	50.60	53.64	AND	CORE	0.05	0.003
46262	53.64	56.69	AND	CORE	0.04	0.009
46263	56.69	59.74	AND	CORE	0.06	0.002
46264	59.74	62.79	AND	CORE	0.06	0.001
46265				BLANK	0.00	0.000
46266	62.79	65.84	AND	CORE	0.06	0.001
46267	65.84	68.88	AND	CORE	0.04	0.000
46268	68.88	71.93	AND	CORE	0.07	0.002
46269	71.93	74.98	AND/GDIO	CORE	0.03	0.001
46270				**MoS-1**	0.01	**0.064**
46271	74.98	78.03	GDIO	CORE	0.01	0.000
46272	78.03	81.08	GDIO/AND	CORE	0.03	0.003
46273	81.08	84.12	AND	CORE	0.05	0.002
46274	84.12	87.17	AND	CORE	0.05	0.005
46275	87.17	90.22	AND	CORE	0.00	0.000
46276	90.22	93.27	AND	CORE	0.05	0.002
46277	93.27	96.32	AND	CORE	0.04	0.041
46278	96.32	99.36	AND	CORE	0.04	0.012
46279	99.36	102.41	AND	CORE	0.02	0.020
46280				DUPLICATE	0.02	0.024
46281	102.41	105.46	AND	CORE	0.03	0.025
46282	105.46	108.51	AND	CORE	0.03	0.021
46283	108.51	111.56	AND	CORE	0.02	0.012
46284	111.56	114.60	AND	CORE	0.03	0.025
46285				BLANK	0.00	0.000
46286	114.60	117.65	AND	CORE	0.02	0.015
46287	117.65	120.70	AND	CORE	0.05	0.021
46288	120.70	123.75	AND	CORE	0.03	0.007
46289	123.75	126.80	AND	CORE	0.04	0.008
46290				**MoS-1**	0.01	**0.062**
46291	126.80	129.84	AND	CORE	0.04	0.008
46292	129.84	132.89	AND	CORE	0.05	0.027

SAMPLE REPORT

HOLE ID: CH0612

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46293	132.89	135.94	AND	CORE	0.03	0.013
46294	135.94	138.99	AND	CORE	0.02	0.015
46295	138.99	142.04	AND	CORE	0.02	0.014
46296	142.04	145.08	AND	CORE	0.02	0.008
46297	145.08	148.13	AND	CORE	0.03	0.025
46298	148.13	151.18	AND	CORE	0.04	**0.056**
46299	151.18	154.23	AND	CORE	0.02	0.049
46300				DUPLICATE	0.02	0.039
46301	154.23	157.28	AND	CORE	0.03	**0.082**
46302	157.28	160.32	AND	CORE	0.01	0.015
46303	160.32	163.37	AND	CORE	0.01	0.017
46304	163.37	166.42	AND	CORE	0.02	0.035
46305				BLANK	0.00	0.000
46306	166.42	169.47	AND	CORE	0.03	**0.054**
46307	169.47	172.52	AND	CORE	0.04	0.013
46308	172.52	175.56	AND	CORE	0.05	0.028
46309	175.56	178.61	AND	CORE	0.06	**0.053**
46310				**MoS-1**	0.01	**0.063**
46311	178.61	181.66	AND/BDY	CORE	0.02	0.017
46312	181.66	184.71	BDY	CORE	0.00	0.000
46313	184.71	187.76	BDY	CORE	0.00	0.000
46314	187.76	190.80	BDY	CORE	0.03	0.018
46315	190.80	193.85	BDY/AND	CORE	0.01	0.003
46316	193.85	196.90	AND	CORE	0.04	0.032
46317	196.90	199.95	AND	CORE	0.03	0.020
46318	199.95	203.00	AND	CORE	0.06	0.011
46319	203.00	206.04	AND	CORE	0.07	0.018
46320				DUPLICATE	0.09	0.017
46321	206.04	209.09	AND	CORE	0.07	0.024
46322	209.09	212.14	AND	CORE	0.08	**0.051**
46323	212.14	215.19	AND	CORE	0.08	**0.069**
46324	215.19	218.24	AND	CORE	0.11	**0.055**
46325				BLANK	0.00	0.000
46326	218.24	221.28	AND	CORE	0.03	**0.079**
46327	221.28	224.33	AND/BDY	CORE	0.01	0.015
46328	224.33	227.38	BDY/GDIO	CORE	0.01	0.000
46329	227.38	230.43	GDIO	CORE	0.00	0.000
46330				**MoS-1**	0.01	**0.066**
46331	230.43	233.48	GDIO	CORE	0.01	0.007
46332	233.48	236.52	GDIO	CORE	0.02	0.010
46333	236.52	239.57	GDIO	CORE	0.03	**0.053**
46334	239.57	242.62	GDIO	CORE	0.03	0.020
46335	242.62	245.67	GDIO	CORE	0.02	0.013
46336	245.67	248.72	GDIO	CORE	0.02	**0.057**
46337	248.72	251.76	GDIO	CORE	0.02	0.035
46338	251.76	254.81	GDIO	CORE	0.02	**0.063**
46339	254.81	257.86	GDIO	CORE	0.02	**0.096**
46340				DUPLICATE	0.02	**0.064**
46341	257.86	260.91	GDIO	CORE	0.05	0.039
46342	260.91	263.96	GDIO	CORE	0.04	**0.061**
46343	263.96	267.00	GDIO	CORE	0.02	0.035
46344	267.00	270.05	GDIO	CORE	0.02	0.022

SAMPLE REPORT

HOLE ID: CH0612

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46345				BLANK	0.00	0.000
46346	270.05	273.10	GDIO	CORE	0.02	**0.121**
46347	273.10	276.15	GDIO	CORE	0.03	**0.085**
46348	276.15	279.20	GDIO	CORE	0.03	**0.057**
46349	279.20	282.24	GDIO	CORE	0.03	**0.086**
46350				**MoS-1**	0.01	**0.063**
46351	282.24	285.29	GDIO	CORE	0.03	0.022
46352	285.29	288.34	GDIO	CORE	0.03	0.013
46353	288.34	291.39	GDIO	CORE	0.03	**0.085**
46354	291.39	294.44	GDIO	CORE	0.03	0.029
46355	294.44	297.48	GDIO	CORE	0.05	**0.066**
46356	297.48	300.53	GDIO	CORE	0.04	**0.053**
46357	300.53	303.58	GDIO/AND	CORE	0.07	0.037
46358	303.58	306.63	AND	CORE	0.06	0.019
46359	306.63	309.68	AND	CORE	0.02	0.021
46360				DUPLICATE	0.03	0.021
46361	309.68	312.72	AND	CORE	0.04	0.027
46362	312.72	315.77	AND	CORE	0.05	0.041
46363	315.77	318.82	AND	CORE	0.06	**0.099**
46364	318.82	321.87	AND	CORE	0.06	0.029
46365				BLANK	0.00	0.000
46366	321.87	324.92	AND	CORE	0.07	0.021
46367	324.92	327.96	AND	CORE	0.06	**0.055**
46368	327.96	331.01	AND	CORE	0.03	0.040
46369	331.01	334.06	AND	CORE	0.04	**0.054**
46370				**MoS-1**	0.01	**0.064**
46371	334.06	337.11	AND	CORE	0.09	**0.057**
46372	337.11	340.16	AND	CORE	0.06	**0.089**
46373	340.16	343.20	AND	CORE	0.04	**0.071**
46374	343.20	346.25	ND/QDP/QF	CORE	0.04	**0.066**
46375	346.25	349.30	QDP/QFP	CORE	0.02	0.023
46376	349.30	352.35	DP/QFP/HSL	CORE	0.05	**0.055**
46377	352.35	355.40	HSLT	CORE	0.03	0.035
46378	355.40	358.44	HSLT/AND	CORE	0.04	**0.102**
46379	358.44	361.49	AND	CORE	0.04	0.050
46380				DUPLICATE	0.05	**0.114**
46381	361.49	364.54	AND	CORE	0.06	0.029
46382	364.54	367.59	AND	CORE	0.05	0.029
46383	367.59	370.64	AND	CORE	0.05	**0.084**
46384	370.64	373.68	AND	CORE	0.05	**0.053**
46385				BLANK	0.00	0.000
46386	373.68	376.73	AND/HSLT	CORE	0.04	**0.064**
46387	376.73	379.78	HSLT	CORE	0.03	**0.056**
46388	379.78	382.83	HSLT	CORE	0.02	**0.070**
46389	382.83	385.88	HSLT	CORE	0.04	0.038
46390				**MoS-1**	0.01	**0.065**
46391	385.88	388.92	HSLT	CORE	0.03	0.041
46392	388.92	391.97	HSLT	CORE	0.02	**0.056**
46393	391.97	395.02	HSLT	CORE	0.03	**0.076**
46394	395.02	398.07	HSLT	CORE	0.03	**0.075**
46395	398.07	401.12	HSLT	CORE	0.03	**0.079**
46396	401.12	404.16	HSLT	CORE	0.03	**0.094**

SAMPLE REPORT

HOLE ID: CH0612

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46397	404.16	407.21	HSLT	CORE	0.02	**0.095**
46398	407.21	410.26	HSLT	CORE	0.04	**0.080**
46399	410.26	413.31	HSLT	CORE	0.02	**0.087**
46400				DUPLICATE	0.02	**0.073**
46401	413.31	416.36	HSLT	CORE	0.03	**0.137**
46402	416.36	419.40	HSLT	CORE	0.04	**0.103**
46403	419.40	422.45	HSLT	CORE	0.02	**0.074**
46404	422.45	425.50	HSLT	CORE	0.02	**0.093**
46405				BLANK	0.00	0.000
46406	425.50	428.55	HSLT	CORE	0.03	**0.102**
46407	428.55	431.60	HSLT	CORE	0.03	**0.286**
46408	431.60	434.64	HSLT	CORE	0.02	**0.092**
46409	434.64	437.69	HSLT	CORE	0.02	**0.147**
46410				**MoS-1**	0.01	**0.063**
46411	437.69	440.74	HSLT	CORE	0.00	0.005
46412	440.74	443.79	HSLT	CORE	0.02	**0.210**
46413	443.79	446.83	HSLT	CORE	0.02	**0.093**
46414	446.83	449.88	HSLT	CORE	0.03	**0.183**
46415	449.88	452.93	HSLT	CORE	0.03	**0.111**
46416	452.93	455.98	HSLT	CORE	0.02	**0.082**
46417	455.98	459.03	HSLT	CORE	0.03	**0.077**
46418	459.03	462.08	HSLT	CORE	0.01	**0.097**
46419	462.08	465.12	HSLT	CORE	0.03	**0.134**
46420				DUPLICATE	0.03	**0.153**
46421	465.12	468.17	HSLT	CORE	0.02	**0.106**
46422	468.17	471.22	HSLT	CORE	0.07	**0.162**
46423	471.22	474.27	HSLT	CORE	0.12	**0.114**
46424	474.27	477.32	HSLT	CORE	0.04	**0.065**
46425				BLANK	0.00	0.000
46426	477.32	480.36	HSLT	CORE	0.02	**0.094**
46427	480.36	483.41	HSLT	CORE	0.11	**0.141**
46428	483.41	486.46	HSLT	CORE	0.02	**0.099**
46429	486.46	489.51	HSLT/GDIO	CORE	0.03	**0.079**
46430				**MoS-1**	0.01	**0.063**
46431	489.51	492.56	GDIO	CORE	0.02	0.029
46432	492.56	495.60	GDIO	CORE	0.01	0.009
46433	495.60	498.65	GDIO	CORE	0.04	0.022
46434	498.65	501.70	GDIO	CORE	0.02	0.015

Signature: ____________________

CH0612

Initials: ________

From	To	Litho
0.00	4.84	OB

casing/overburden

STRUCTURES

From	To	Struct	CA	Strain
0.00	4.84	MASS		W

overburden

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
0.00	4.84	-	-	-	-	-	-	-	-	-				

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
0.00	4.84	0.001					

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
0.00	4.84	0.001	-						

From	To	Litho
4.84	39.46	AND

Fine grained gray reddish andesite, mottled looking, hematite red (maroon) in color with blotches of chloritic green alteration. Cut by abundant quartz and quartz-albite veining. Pyrite is moderately abundant in veinlets form and less commonly disseminated. Narrow PY strs, silica, EPI & BIO altn, 1-2% MG. MO is generally present along the margins of veinlets or associated with AB veining.
@16.76m: thick 70mm Qz-PY-MO-MG VN, 50 tca is present.
@20.34m: brecciated magnetic 24mm QzPO-AB-PY VN, 25 tca.
@26.06m: brecciated 14mm Qz-PO-PY-BIO-MG VN, 20 tca.
@28.40m: location of mottled thick 8cm Qz-PO-MG-BIO VN, 55 tca.
Broken core, sand & gouge is observed from 29.26 to 30.05m.

STRUCTURES

From	To	Struct	CA	Strain
4.84	39.46	MASS		M

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
4.84	39.46	-	-	S	M	-	W	W	W	M	M	M	W	

MG, AB, EPI, BIO, Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
4.84	39.46	1	2	15	1	1	

AB veining

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
4.84	39.46	1	VLT	PO	2	MO	0.01		

traces of MO

From	To	Litho
39.46	74.32	AND

Fine grained gray reddish andesite, mottled looking, hematite red (maroon) in color with blotches of chloritic green alteration, flow banded zones. Cut by abundant AB-ChlEPI-PO-MG & narrow Qz +/-MO veining. Pyrite is moderately abundant in veinlets form and less commonly disseminated. Narrow PY strs &BB, silica, EPI & BIO altn, ~2% MG.
From 64.72 to 64.08m flow banded Qz-PY-PO-MO-EPI zone is observed.
From 69.20 to 71.00m flow banded PY-PO-EPI zone cut off by narrow contorted Qz-MO VNs is present.

STRUCTURES

From	To	Struct	CA	Strain
39.46	74.32	MASS		S

~2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
39.46	74.32	-	-	-	S	-	M	VW	W	S	M	M	S	

strong sulfide, EPI & Chl altn, wak MG

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
39.46	74.32	4	3	10	1	2	

looking mottled by sulfide-Chl-EPI-MG veinlets

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
39.46	74.32	3	VLT	PO	1	MO	0.01		

~2% MG presence

From	To	Litho
74.32	80.00	GDIO

Granodiorite dyke, medium light grey in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase phenocrysts which is weakly foliated with chilled margins. Core is cut by narrow CA veinlets. DI pyrite in small amounts. Upper contact =75, lower contact =70 tca.

STRUCTURES

From	To	Struct	CA	Strain
74.32	80.00	MASS		M

moderatly cut off by CA strs

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
74.32	80.00	-	-	-	S	-	-	VW	W	-	M	S	W	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
74.32	80.00	0.3	40	20	1	0.2	60

random Qz VNs & moderate CA strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
74.32	80.00	1.5	DISS						

non mineralized zone

From	To	Litho
80.00	90.06	AND

Fine grained gray reddish andesite, hematite red (maroon) in color with blotches of chloritic green alteration, flow banded zones. Cut by abundant AB-ChlEPI-PO-MG & narrow Qz +/-MO veining. Pyrite is moderately abundant in veinlets form and less commonly disseminated. Narrow PY strs &BB, silica, EPI & BIO altn, ~2% MG. Minor granodiorite dykes, medium light grey in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase phenocrysts.
From 80.26 to 80.48m granodiorite porphyry is observed with contact at 75 tca
From 82.98 to 83.84m granodiorite porphyry with contact at 70 tca.
From 85.70 to 90.20m presence of a broken core with Ca-Chl on fracture.
From 81.10 to 90.20m dark gray granodiorite dyke, medium light grey in color, speckled black and white with a medium grained groundmass observed.

STRUCTURES

From	To	Struct	CA	Strain
80.00	90.06	MASS		M

~2% jonts

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
80.00	90.06	-	-	M	M	-	-	W	M	M	M	M	M	

weak MG altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
80.00	90.06	1	30	20	1	1	60

abundant AB-ChlEPI-PO veins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
80.00	90.06	2	VLT	PO	1	MO	0.02		

weak MG present

From	To	Litho
90.06	124.82	AND

Fine grained gray reddish andesite porphyry, mottled looking, hematite, blotches of chloritic green alteration, flow banded zones cut by abundant AB-ChlEPI-PO-MG & narrow Qz -MO veining. Pyrite is moderately abundant in veinlets form and less commonly disseminated with narrow PY strs & BB; AB, silica, EPI & BIO altn, ~1% MG. Minor granodiorite dykes, medium light grey in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase phenocrysts.
@100.28m: contorted 30mm Qz-PY-MO-EPI VN, 90 tca is present.
From 102.14 to 102.58m contorted Qz-PY-MO VNs & distorted 60mm AB-MG-EPI VN, 90 tca are observed.
@105.92m: selvaged 20mm qz-PY-MO VN, 40 tca.
From 112.44 to 119.74m approx. 25% of the core is broken, CA on fractures, moderate narrow Qz-PY-MO VNs.
@123.32m: presence of a pink 22mm Qz-PY-MO-MG VN, 45 tca.

STRUCTURES

From	To	Struct	CA	Strain
90.06	124.82	MASS		M

partially broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
90.06	124.82	-	-	W	M	-	W	-	M	W	M	M	M	

EPI, MG, CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
90.06	124.82	1	10	10	1	1	80

Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
90.06	124.82	2	VLT	MO	0.05				

Weak MO mineralization

Initials: ________

From	To	Litho
90.06	124.82	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
124.82	148.02	AND

Fine grained reddish andesite porphyry, speckled black and white with medium grained phenocrysts. CA alteration, moderate Qz -MO strs. Pyrite is moderately abundant in strs; silica, AB & BIO altn.
@130.06m: distorted 24mm Qz-PY-MO VN, 50 tca is present.
From 132.36 to 132.56m a broken core is observed with CA on fractures.

STRUCTURES

From	To	Struct	CA	Strain
124.82	148.02	MASS		S

strong rock with minor broken kore

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
124.82	148.02	-	-	W	S	-	M	W	W	VW	M	M	M	

silica & CA aln

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
124.82	148.02	2	15	15	1	1	50

random Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
124.82	148.02	2	VLT	MO	0.05				

~0.05-0.08% MO

From	To	Litho
148.02	**165.07**	**AND**

Fine grained gray & reddish andesite porphyry, mottled looking, blotches of AB alteration, minor flow banded zones, AB-Chl-EPI-PO-MG & Qz -MO veining.
Pyrite is moderate PY in veinlets; silica, EPI & BIO altn, weak ~1% MG.
From 152.00 to 156.26m broken core is present (~50%) with CA on fractures.
@ 148.02m: solid 70mm Qz-PY-MO VN, 80 tca with branchet out 20mm Qz-PY-MG-MO VN, 20 tca.
@149.90m: distorted 28mm Qz-MG-PY-PO-MO VN, 60 tca observed.
Below 151.06m presence of contorted narrow VNs & silica altn.
@153.34m: location of selvaged 16mm Qz-PY-MO VN, 50 tca with subparallel Qz-PY-MO strs.
From 155.90 to 156.30m carbonate zone with Qz VNs & CA altn. is present.
@161.76m: magnetic 18mm Qz-PY-BIO-EPI-MO VN, 40 tca.
@162.34m: magnetic 14mm Qz-PO-PY-MO VN, 45 tca.
@164.26m: boudinaged 24mm Qz-BIO-PY-MO VN, 20 tca

STRUCTURES

From	To	Struct	CA	Strain
148.02	165.07	MASS		M

From 152.0 to 156.26m broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
148.02	165.07	-	-	W	S	-	W	VW	M	VW	M	M	M	

152.0 to 156.26m broken core with CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
148.02	165.07	3	15	15	2	1	30

random narrow Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
148.02	165.07	2	VLT	PO	1	MO	0.1		

up to 0.1% MO

From	To	Litho
165.07	**180.54**	**AND**

Fine grained reddish andesite, mottled looking, with a medium grained groundmass and occasional subheudral plagioclase phenocrysts, with small blotches of chloritic green alteration, minor flow banded zones; AB-Chl-EPI-PO-MG & narrow Qz +/-MO veining. Pyrite is moderately in veinlets form and less commonly disseminated. Narrow PY strs & BB, silica, & BIO altn, ~1% MG.
@166.40m: magnetic 20mm Qz-PY-MO VN, 45 tca.
@166.80m: solid 60mm Qz-Chl-PY VN, 80 tca.
@169.10m: dispersed 38mm AB-Chl-EPI-MG VN, 70 tca cut off by 16mm Qz-PY-MO VN, 40 tca.
@171.48m: branched out 38mm Qz-PY-MO VN, 35 tca.
@174.66m: boudinaged 20mm Qz-PY-MO-Chl VN, 40 tca.
From 176.30 to 177.57m stockwork of 12-20mm Qz-PY-PO-MO +/-EPI VNs, 35-70 tca.
Below 179.75m presence of distorted Ab-Qz-PY-PO-MO veinlets in diff orient.

STRUCTURES

From	To	Struct	CA	Strain
165.07	180.54	MASS		S

2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
165.07	180.54	-	-	W	M	-	M	VW	VW	VW	M	W	M	

AB, MG, Chl, EPI alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
165.07	180.54	3	15	15	1	1	

AB-PY-PO-MG-EPI veinlets

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
165.07	180.54	2	VLT	PO	1	MO	0.1		

~0.1% MO

From	To	Litho
165.07	180.54	AND

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
180.54	193.66	BDY

Dark gray basalt, plagioclase & pyroxene fine grained with silica, quartz & fine grained DI PY, tiny CA strs. Upper contact is at 50 tca, lower contact is at 25 tca.
From 188.14 to 191.35m presence of interbedded granodiorite with Chl & MG altn & Qz-MO VNs /strs .
@188.38m: dispersed 30mm Qz-PY-MO VNs, 40 tca are observed.
@189.04m: location of 32mm Qz-CA-PY-MO VN, 50 tca with 2x2mm CA crystals is observed.

STRUCTURES				
From	To	Struct	CA	Strain
180.54	193.66	MASS		S

basalt dyke with interbedded andesite

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
180.54	193.66	-	-	M	S	-	W	-	VW	VW	M	W	M	

BIO altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
180.54	193.66	1	12	10	1	1	

VNs present in interbedded zone of andesite

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
180.54	193.66	1	DISS	MO	0.02				

188.14 to 191.35m granodiorite with Chl & MG altn & Qz-MO VNs /strs, (0.1% MO)

From	To	Litho
193.66	209.09	AND

Fine grained reddish andesite, mottled looking by narrow Qz-PY-MO+/- PO VNs & magnetic AB-Chl-sulfide +EPI VNs; a medium grained groundmass and occasional subheudral plagioclase phenocrysts, with small blotches of chloritic green alteration, minor flow banded zones; PY is moderately in veinlets form and less commonly disseminated. Narrow PY strs & BB, silica, & BIO altn, ~1-2% MG, ~0.1% MO
From 194.34 to 195.15m presence of granodiorite with pladioclase, equigranular with a speckled color of white and black with minor pink, upper & lower contacts at 50 tca.
From 200.46 to 200.90m magnetic pink 12mm Qz-Py-MO-BIO VN, 10 tca is present.
From 204.50 to 205.58m stockwork of 12-24mm Qz-PY-MO VN, 25-75 tca observed.
@205.66m: contorted 52mm Qz-PY-MO-AB VN, 50 tca.
From 205.82 to 206.50m granodiorite, feldspar pladioclase, equigranular with a speckled color of white and black, pink 30mm Qz-PY-MO VN on contact, upper & lower contacts at 50 tca.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
193.66	209.09	AND

Fine grained reddish andesite, mottled looking by narrow Qz-PY-MO+/- PO VNs & magnetic AB-Chl-sulfide +EPI VNs; a medium grained groundmass and occasional subheudral plagioclase phenocrysts, with small blotches of chloritic green alteration, minor flow banded zones; PY is moderately in veinlets form and less commonly disseminated. Narrow PY strs & BB, silica, & BIO altn, ~1-2% MG, ~0.1% MO
From 194.34 to 195.15m presence of granodiorite with pladioclase, equigranular with a speckled color of white and black with minor pink, upper & lower contacts at 50 tca.
From 200.46 to 200.90m magnetic pink 12mm Qz-Py-MO-BIO VN, 10 tca is present.
From 204.50 to 205.58m stockwork of 12-24mm Qz-PY-MO VN, 25-75 tca observed.
@205.66m: contorted 52mm Qz-PY-MO-AB VN, 50 tca.
From 205.82 to 206.50m granodiorite, feldspar pladioclase, equigranular with a speckled color of white and black, pink 30mm Qz-PY-MO VN on contact, upper & lower contacts at 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
193.66	209.09	MASS		M

From 200.6 to 200.74m broken core with BIO & CA on fracture

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
193.66	209.09	-	-	M	M	-	M	VW	VW	M	M	M	M	W

Chl, AB, BIO, EPI, potassic & silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
193.66	209.09	2	15	15	1	1	50

narrow Qz-PY-MO VNs & magnetic AB-Chl-sulfide VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
193.66	209.09	3	VLT	MO	0.1	PO	1		

up to 0.1% MO

From	To	Litho
209.09	221.90	AND

Fine grained reddish aphanitic andesite, mottled looking by narrow Qz-PY-MO VNs & magnetic AB-Chl-sulfide VNs; with chloritic green alteration, minor flow banded zones; PY is moderately in veinlets form and less commonly disseminated, narrow PY strs & BB, silica, & BIO altn, ~1-2% MG, ~0.2% MO. Lower contact with andesite is at 70 tca.
@209.14m: selvaged 22mm Qz-PY-MO VN, 45 tca.
@209.24m: brecciated 33mm Qz-PY-MO-AB-Chl VN, 20 tca.
@209.50m: contorted 34mm Qz-PY-MO-EPI VN, 30 tca.
@209.82m: significant ptygmatic 10cm Qz-PY-PO-MG-MO-EPI VN, 50 tca.
From 210.16 to 211.24m stockwork of 10-16mm Qz-PY-MO VN, 40-50 tca.
@214.12m: thick 76mm Qz-PY-PO-MO VN, 80 tca.
From 214.82 to 216.22m reticulated network of 10-20mm Qz-PY-MO VN with abundant sulfide BB along the core.
@216.48m: rim of 20mm Qz-PY-MO VN, 55 tca.
@217.22m: contorted 32mm Qz-AB-PY-MO VN, 35 tca.
Contact with granodiorite @218.02 =50 tca is present.
From 218.02 to 221.96m granodiorite dyke with pink Qz-PY-MO VNs observed.
@220.20m: presence of pink 34mm Qz-PY-MO VN,70 tca.
From 221.27 to 221.77m location of a contorted 32mm Qz-PY-MO VN, 10 tca.

STRUCTURES

From	To	Struct	CA	Strain
209.09	221.90	MAS S		M

218.02 to 221.96m granogiorite dyke with pink Qz-PY-MO VNs

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
209.09	221.90	-	-	M	M	-	M	VW	W	M	M	M	M	VW

sulfide altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
209.09	221.90	3	40	20	1	2	50

Qz-PY-MO VNs/strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
209.09	221.90	3	VLT	MO	0.2	PO	1		

MG ~1-2%

From	To	Litho
221.90	222.73	BDY

Dark gray with calcic plagioclase & pyroxene fine grained basalt with silica, quartz & fine grained DI PY, CA altn. Upper contact is at 50 tca, lower contact is at 70 tca. Below 230.66m presence of CA strs .

STRUCTURES

From	To	Struct	CA	Strain
221.90	222.73	MAS S		S

~1% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
221.90	222.73	-	-	-	M	-	-	-	W	VS	M	M	W	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
221.90	222.73	0.1	15	10	1		

CA strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
221.90	222.73	0.2	DISS						

fine grained DI PY

 Initials: ________

From	To	Litho
222.73	262.80	GDIO

Granodiorite, light-medium grey & greenish in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase & orthoclase phenocrysts, biotite & hornblende. Core cut by narrow Qz veinlets/filled fractures that contain chlorite & BIO, very random sericite; pyrite and small amounts of moly are concentrated in these, .
@232.86m: contorted 34mm Qz-PY-MO VN, 40 tca.
From 233.30 to 238.60m location of a zone with abundant distorted Qz+/-MO VNs & tiny MO strs
@239.12m: solid 50mm Qz-PY-MO VN, 70 tca.
@239.91m: dispersed 33mm Qz-PY-MO VN, 40 tca is present.
Below 240.20m broken core (~15) is observed with sericite coating on fractures.
@243.30m: selvaged 20mm Qz-PO-PY-MO VN, 25 tca cross cut by another 18mm Qz-PY VN, 60 tca.
From 244.60 to 245.72m presence of a broken core with CA on fractures observed.
From 246.24 to 249.50m ~10% of broken core with CA on fractures is present.
@250.00m: distorted 50mm Qz-PY-EPI-MO Vn, 70 tca.
From 252.20 to 254.94m significant up to 68mm Qz-PY-MO VN, 5 tca is observed.
From 256.16 to 256.66m a distorted 14mm Qz-PY-MO-EPI VN, 5 tca is located .
@256.92m: pink 22mm Qz-PY-MO VN, 10 tca.
@257.33m: pink 66mm Qz-PY-MO VN, 55 tca.
@257.50m: pink 20 Qz-PY-MO VN, 25 tca is present.
Below 258.00m greenish granodiorite with contorted narrow Qz-PY-MO veinlets observed.
@261.92m: location of a pink 32mm Qz-PY-MO VN, 45 tca.

STRUCTURES

From	To	Struct	CA	Strain
222.73	262.80	MASS		M

~3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
222.73	262.80	-	-	M	M	-	M	M	W	VS	M	M	M	M

sericite altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
222.73	262.80	3	50	25	2	2	30

contorted Qz veinlents

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
222.73	262.80	3	DISS	MO	0.1				

>0.1% MO presence in this interval

From	To	Litho
262.80	301.10	GDIO

Granodiorite, light-medium grey & greenish in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase & orthoclase phenocrysts, biotite & hornblende. Core cut by narrow Qz veinlets/filled fractures that contain chlorite & BIO; DI pyrite in small amounts & MO (~0.1%) are concentrated.
From 262.80 to 274.64m presence of granodiorite with reticulated network of contorted Qz VNs +/-MO & DI MO specks (~3 VN/m).
Below 274.64m presence of granodiorite with strong CA anlteration, core is softer than regular core, around ~20% of the core is broken with CA on fractures.
From 288.86 to 289.50m presence of a contorted 10mm Qz-Py-MO VN, 10 tca.
@290.26m: dispersed 24mm Qz-PY-MO VN, 30 tca with thin streaks of MO is present.
@293.74m: solid 26mm Qz-PY-MO VN, 40 tca observed.
@294.08m: solid 20mm Qz-PY-MO VN, 80 tca.
Below 294.20m location of a zone with abundant deformed Qz-PY-MO VNs.
From 297.00 to 297.70m presence of significant 30mm Qz-PY-MO-PO-MG VN, 10 tca with abundant sulfide BB observed.
@298.33m: thick distorted 33mm Qz-P-YAB-EPI-MO VN, 60 tca is located.
@298.60m: location of a distorted 38mm Qz-PY-MO-PO VN, 50 tca.
From 299.30 to 299.90m the stockwork of contorted Qz-PY-MO VNs, 20-40 tca is observed.

STRUCTURES

From	To	Struct	CA	Strain
262.80	301.10	MASS		M

partially fragile core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
262.80	301.10	-	-	M	VW	-	W	-	M	VW	M	M	W	VW

below 274.64m is strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
262.80	301.10	2	25	20		3	2

262.8 to 274.64m approx 3-4 QZ VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
262.80	301.10	1	DISS	MO	0.1				

From 262.8 to 300.0m 0.1% MO

From	To	Litho
301.10	324.46	AND

Fine grained reddish aphanitic andesite, mottled looking with minor quartz granodiorite & transitional to monzonite zones & potassic alteration, narrow Qz-PY-MO +/-EPI VNs & magnetic AB-Chl-sulfide VNs, chloritic green alteration; PY is moderately in veinlets form and strs commonly disseminated, narrow PY strs & BB, silica, & BIO altn, ~1-2% MG.
@306.20m: selvaged 16mm Qz-PY-MO VN, 40 tca.
From 306.70 to 311.30m greenish granodiorite with transitional zones to monzonite & potassic alteration observed.
@309.05m: presence of solid 30mm Qz-PY-MO VN, 35 tca with subparallel 24mm Qz-PY-EPI-MO VN.
@312.10m: contorted Qz-PY-CA-BIO-PO VN, 30 tca is observed.
From 313.10 to 314.30m location of a dark granodiorite with two subparallel 22mm Qz-PY-MO VNs, vague upper & lower contacts .
From 315.44 to 316.76m granodiorite with CA strs, upper contact at 50 tca, lower contact at 30 tca on tiny CA str.
From 317.23 to 317.62m granodiorite with vague contacts is present.
@319.90m: brecciated 20mm Qz-CA-PY-AB VN, 20 tca observed.
@322..10m: branched 20mm Qz-PY-MO VN, 75 tca is present.
@322.38m: boudinaged 20mm Qz-BIO-PY-MO VN, 30 tca located.

STRUCTURES

From	To	Struct	CA	Strain
301.10	324.46	MASS	50	M

~3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
301.10	324.46	-	-	W	M	-	M	W	W	VW	M	M	M	

BIO, EPI, MG & CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
301.10	324.46	3	20	20	1	2	40

random CA veins

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
301.10	324.46	3	VLT	CP	0.2	PO	1		

From	To	Litho
324.46	345.17	AND

Fine grained reddish aphanitic andesite, mottled looking with flow banded zone minor quartz granodiorite & transitional to monzonite zones & potassic alteration, narrow Qz-PY-MO +/-EPI VNs & magnetic AB-Chl-sulfide VNs, chloritic green alteration; PY is moderately in veinlets form and strs commonly disseminated, narrow PY strs & BB, silica, & BIO altn, ~1-2% MG.
From 324.92 to 330.10m location of a flow banded zone with silica altn & abundant (~3-5 VN/m) narrow Qz-PY-MO VNs/strs, at mostly 50 tca (~0.2% MO in this interval).
From 330.50 to 339.93m presence of andesite with transitional zone to monzonite, abundant narrow Qz-PY-MO VN/strs (~3 VNs/m) with strong silica alteration.
From 339.93 to 340.08m greenish Qz-PY zone with MO specks observed.
From 340.08 to 345.17m the core mottled by Qz-PY-MO VNs & strs (~3-4 VN/m).
@343.25m: thick 50mm Qz-PY-MO-MG VN, 50 tca is present.
From 344.18 to 344.40m stockwork of 10-16mm Qz-PY-MO VNs, 60-70 tca observed.
@347.17m: contact with granodiorite at 35 tca is present.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
324.46	345.17	AND

Fine grained reddish aphanitic andesite, mottled looking with flow banded zone minor quartz granodiorite & transitional to monzonite zones & potassic alteration, narrow Qz-PY-MO +/-EPI VNs & magnetic AB-Chl-sulfide VNs, chloritic green alteration; PY is moderately in veinlets form and strs commonly disseminated, narrow PY strs & BB, silica, & BIO altn, ~1-2% MG.
From 324.92 to 330.10m location of a flow banded zone with silica altn & abundant (~3-5 VN/m) narrow Qz-PY-MO VNs/strs, at mostly 50 tca (~0.2% MO in this interval).
From 330.50 to 339.93m presence of andesite with transitional zone to monzonite, abundant narrow Qz-PY-MO VN/strs (~3 VNs/m) with strong silica alteration.
From 339.93 to 340.08m greenish Qz-PY zone with MO specks observed.
From 340.08 to 345.17m the core mottled by Qz-PY-MO VNs & strs (~3-4 VN/m).
@343.25m: thick 50mm Qz-PY-MO-MG VN, 50 tca is present.
From 344.18 to 344.40m stockwork of 10-16mm Qz-PY-MO VNs, 60-70 tca observed.
@347.17m: contact with granodiorite at 35 tca is present.

STRUCTURES

From	To	Struct	CA	Strain
324.46	345.10	MASS		S
one joint per meter				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
324.46	345.17	-	-	M	S	-	M	M	VW	VW	M	M	W	
strong silica altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
324.46	345.17	6	25	15		3	45
abund Qz-PY-MO VNs & strs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
324.46	345.00	3	VLT	MO	0.2				
core mottled by Qz-PY-MO VNs & strs									

From	To	Litho
345.17	350.60	GDIO

Granodiorite dyke, medium light grey in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase phenocrysts.
Narrow Qz veinlets. DI pyrite in small amounts.
Upper & lower contacts at 35 tca.
@346.94m: presence of a pink 20mm Qz-PY-MO VN, 35 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
345.17	350.60	GDIO

Granodiorite dyke, medium light grey in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase phenocrysts.
Narrow Qz veinlets. DI pyrite in small amounts.
Upper & lower contacts at 35 tca.
@346.94m: presence of a pink 20mm Qz-PY-MO VN, 35 tca.

STRUCTURES

From	To	Struct	CA	Strain
345.17	350.60	MASS		S
~1% jonts				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
345.17	350.60	-	-	-	S	-	W	-	VW	-	M	M	W	
weak CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
345.17	350.60	2	40	20	1	1	35
distorted narrow Qz VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
345.17	350.60	1	DISS	MO	0.02				
weak MO									

From	To	Litho
350.60	358.40	HSLT

This interval of hornfelsed siltstone zone. The core is fine grained, dark brown, moderately foliated with vague lower contact and relatively distinct upper contact at 35 tca. The core no longer has the mottled appearance.The alteration throughout the interval is hornfelsed biotite and silica with rare chlorite is present. Veining in this sequence of core with cm scale, location of Qz veins subparallel foliation; common ptygmatic VNs and anastomosing tiny Qz VNs with varying orientations across the core is observed. Pyrite and weak pyrrhotite are present as veinlets. Observed moly is mostly within the foliation of fractures and in mm scale veining.
@350.90m: thick 70m Qz-PY-BIO-MO VN, 80 tca is present.
@352.00m: location of a thick 76mm Qz-PY-MO VN, 70 tca
From 353.20 to 355.35m presence of granodiorite dyke with upper & lower contacts at 35 tca.
@356.06m: ptygmatic 14mm Qz-PY-MO VN, 35 tca is located.
Below 358.00m zone of a broken core fragments with CA on fractures is present.

STRUCTURES

From	To	Struct	CA	Strain
350.60	353.20	BDG		
2-3% joints				
353.20	355.35	MASS		
granodiorite dyke with upper & lower contacts at 35 tca				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
350.60	358.40	-	-	W	S	-	M	-	VW	-	M	M		
weak CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
350.60	358.40	3	20	10	1	2	35
abund ptygmatic mm scale Qz-PY-MO VNs							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
350.60	358.40	2	VLT						
~0.1% MO									

From	To	Litho
350.60	358.40	HSLT

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain
355.35	358.40	BDG		

10% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
358.40	374.88	AND

Fine grained reddish aphanitic andesite, mottled looking & minor transitional to monzonite zones, potassic alteration, narrow Qz-PY-MO +/-EPI VNs; PY is moderately in veinlets form and strs commonly disseminated, narrow PY strs & BB; silica, & BIO altn, ~1% MG.
From 359.25 to 360.12m presence of a broken core (fragmens).
From 361.76 to 362.00m location of two 22mm & 26mm Qz-PY-MO VNs, 40 & 60 tca observed.
@362.80m: solid 32mm Qz-PY-MO VN, 40 tca is present.
From 363.53 to 364. 26m presence of ptymatic 22 mm Qz-PY-MO VN, 5 tca.
@365.20m: branched 28mm Qz-PY-MO VN, 70 tca.
From 370.64 to 373.15m stockwork of 10-46mm Qz-PY-MO VN, 40-75 tca observed.
From 373.47 to 373.60m location of Qz zone with MO specks & tiny strs .

STRUCTURES

From	To	Struct	CA	Strain
358.40	374.88	BDG	50	M

~2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
358.40	374.88	-	VW	W	M	-	M	-	W	-	M	VW	M	VW

weak CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
358.40	374.88	4	6		1	3	50

core mottled by narrow contorted mm scale veinlets

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
358.40	374.88	2	DISS	MO	0.2				

up to 0.2% MO

From	To	Litho
374.88	393.88	HSLT

Hornfelsed siltstone, fine grained, dark brown, moderately foliated with vague upper contact with narrow granodiorite zones. The core mottled by contorted white pink Qz veinlets, brown foliation fabric alteration laminae of sediment & carbonate zone. The alteration throughout the interval is hornfelsed biotite and silica with rare chlorite. Qz veins are a parallel foliation; common ptygmatic VNs and anastomosing tiny Qz VNs with varying orientations across the core. Mineralization is PY+PO+MO throughout. Pyrite and weak pyrrhotite are present as veinlets. Moly observed is mostly within the foliation fractures and the mm scale veining.
Below 375.00m the core mottled by distorted Qz strs with Qz +/-MO VNs (~1-2 VN/m).
From 375.63 to 375.93m CA-carbonate altn is present.
@378.20m: location of a pink 30mm Qz-PY-MO VN, 25 tca.
@379.00m: deformed 33mm Qz-PY-MO VN, 30 tca observed.
@350.90m: presence of a thick 70m Qz-PY-BIO-MO VN, 80 tca.
From 380.52 to 383.53m location of porphyry granodiorite dyke with contorted narrow (<1cm) Qz +/-MO VNs, upper & lower contacts at 70 tca.
From 384.48 to 385.23m stockwork of 16-30mm Qz-PY-MO VNs, 45-75 tca.
From 387.73 to 386.00m presence of a distorted 26mm Qz-PYPO-MG-MO VN, 40 tca.
@386.74m: solid 40mm Qz-PY-MO VN, 50 tca is present.
From 387.00 to 388.16m stockwork of subparallel ptygmatic 8-22mm Qz-PY-MO VNs, 40-50 tca.
From 388.74 to 389.14m granodiorite dyke with 55 tca upper & lower contacts present.
From 390.60 to 393.88m location of Qz-carbonate zone with tiny P& MO strs in bedding observed.

STRUCTURES

From	To	Struct	CA	Strain
374.88	393.88	BDG	45	M

granodiorite & carbonate zones

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
374.88	393.88	-	-	W	M	-	M	-	W	-	M	M	M	

390.6 to 393.88m Qz-carbonate zone

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
374.88	393.88	4	10	10	4	3	40

abund ptygmatic narrow Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
374.88	393.88	2	VLT	MO	0.1	PO	1		

>0.1% MO

From	To	Litho
393.88	412.00	HSLT

Hornfelsed siltstone, fine grained, dark brown, moderately foliated, core mottled by contorted white pink Qz veinlets. The alteration throughout the interval is hornfelsed biotite and silica with rare CA. Qz veins have parallel foliation; common ptygmatic VNs and anastomosing tiny Qz VNs with varying orientations across the core. Pyrite and weak pyrrhotite are present as veinlets. Moly observed is mostly within the foliation of fractures and the mm scale veining.
From 394.16 to 401.12m the core mottled by Qz-PY-MO strs with stockwork of 10-28mm Qz-PY-MO VNs, 40-75 tca.
@401.52m: distorted 28mm Qz-PY-MO VN, 45 tca.
@401.76m: presence of a pink 30mm Qz-PY-MO VN, 80 tca.
From 402.16 to 406.32m location of the core mottled by ptygmatic Qz-PY-MO strs with stockwork of 10-24mm Qz-PY-MO VNs, 55-75 tca.
@406.54m: ptygmatic 50mm Qz-PY-MO VN, 75 tca is observed.
@407.12m: presence of a solid 34mm Qz-PYVN with MO streaks, 70 tca.
From 407.21 to 408.00m location of a fault zone with fragments & small pieces of core with CA_Chl on fractures.
@408.94m: solid 22mm Qz-PY-MO VN 55 tca is present.
From 409.30 to 412.00m presence of a core mottled by contorted Qz-PY-MO strs with stockwork 8-12mm Qz-PY-MO VNs, 45-70 tca.

STRUCTURES

From	To	Struct	CA	Strain
393.88	410.26	BDG	70	

fault zone from 407.21 to 408.0m

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
393.88	412.00	-	-	-	M	-	M	-	W	-	M	VW	W	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
393.88	412.00	5	10		2	3	50

anastomosing narrow Qz VNs with varying orientations across the core

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
393.88	412.00	2	VLT	MO	0.1				

Pyrite and weak pyrrhotite are both present as veinlets

From	To	Litho
412.00	424.00	HSLT

Hornfelsed siltstone, fine grained, dark brown, moderately foliated, core mottled by contorted white pink Qz veinlets. The alteration throughout the interval is hornfelsed biotite and silica with rare CA. Qz & CA veins parallel foliation; foliation fabric alteration laminae of sediment & small carbonnate zones.
From 412.00 to 413.40m presence of siltstone, Qz-carbonate zone motlled by Qz strs.
From 413.32 to 413.64m two boudinaged 14 & 20mm Qz-PY-MO VNs, 55 tca are observed.
@414.76m: 22mm Qz-PY-MO VN, 35 tca with two subparallel boudinaged 12mm Qz-PY-MO VNs.
@416.46m: significant 50mm Qz-PY-MO-PO VN, 10 tca is present.
From 416.90 to 417.30m presence of soft rock with CA altn.
From417.35 to 417.83m contorted 55mm Qz-PY-MO-PO VN, 25 tca observed.
From 417.86 to 419.40m location of a dark granodiorite porphyry with narrow <1cm Qz VNs & CA strs, upper & lower contacts at 60 tca observed.
@419.80m: solid 36mm Qz-PY-MO VN, 80 tca is present.
Fom 421.00m to 421.33m carbonate zone with with 42mm QZ-PY-MO VN, 70 tca located.

STRUCTURES

From	To	Struct	CA	Strain
412.00	424.00	BDG	45	M

From 417.86 to 419.4 dark granodiorite porphyry

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
412.00	424.00	-	-	VW	W	-	W	-	M	-	W		W	

CA & AB altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
412.00	424.00	3	15	10	3	1	

Qz-PY-MO VNs & small carbonnate zones.

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
412.00	424.00	2	VLT	MO	0.1				

~0.1% MO in this interval

From	To	Litho
424.00	433.24	HSLT

Fragile hornfelsed siltstone, fine grained, dark brown with minor argillite altn, moderately foliated, core mottled by narrow contorted Qz veinlets & strs. The alteration throughout the interval is hornfelsed biotite & CA. Qz & CA veins with parallel foliation.
From 424.24 to 424.40m knot of contorted up to 24mm Qz-AB VNs, 70 tca.
From 424.48 to 425.03m dark granodiorite zone cut off by 6mm CA VN, 5 tca. Upper & lower contacts at 60 tca.
From 426.00 to 427.80m location of a falt zone, soft core & fragments, CA on joints.
From 428.30 to 429.10m presence of the stockwork of ptygmatic 10-24mm Qz-PY-MO VNs, 50 tca.
From 429.10 to 430.30m a broken core with traces Qz VNs & CA on fractures is observed.
From 430.30 to 432.54m stockwork of ptygmatic 10-40mm Qz-PY-MO VNs located.
From 432.54 to 433.24m presence of a broken core/fragments with Qz VNz.

STRUCTURES

From	To	Struct	CA	Strain
424.00	433.24	BDG	55	W

partially broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
424.00	433.24	-	-	-	W	-	M	-	M	-	M	-	W	

argillite & CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
424.00	433.24	4	10		2	2	

Qz Vns with abund strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
424.00	433.24	2	VLT	MO	0.1				

~0.1% MO

From	To	Litho
433.24	447.00	HSLT

Fragile hornfelsed siltstone, fine grained, dark brown with carbonate & minor argillite altn, moderately foliated, core mottled by contorted Qz veinlets/strs & thick Qz veins; narrow granodiorite dykes present. The alteration throughout the interval is hornfelsed biotite & CA. Qz & CA veins have parallel foliation.
From 433.24 to 435.00m presence of a carbonate zone with Qz-Py-MO VNs.
@434.70m: thick 10cm Qz-PY-MO VN, 60 tca.
From 435.22 to 433.10m zone of granodiorite dyke with significant Qz zone, upper cont @ 90 tca, lower cont @ 45 tca is observed.
From 435.22 to 467.80m stockwork of 14-26mm Qz-PY +/-MO VN, 50-80 tca.
From 438.16 to 440.74m presence of a significant Qz zone PY, Chl, CA & BIO altn.
From 440.74 to 443.00m broken core/frafments with Qz-PY-MO VNs & CA on fractures.
From 443.10 to 444.78m siltstone mottled by Qz-PY-MO VNs & CA strs.
@443.96m: ptygmatic Qz-PY-MO VN, 80 tca is present.
From 444.86 to 447.00m location of Qz zone (broken core) with PY, BIO, MO specks & CA strs.

STRUCTURES

From	To	Struct	CA	Strain
433.24	447.00	BDG	55	M
	435.22 to 433.1m granodiorite dyke			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
433.24	447.00	-	-	W	M	-	M	-	M	-	M	M	W	
CA altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
433.24	447.00	10	40	15	2	3	55
	thick Qz VNs prezent						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
433.24	447.00	1	DISS	MO	0.1				
~0.1% MO in this internal									

From	To	Litho
447.00	462.00	HSLT

Fragile hornfelsed siltstone, fine grained, dark brown with carbonate & minor argillite altn, moderately foliated, core mottled by contorted Qz veinlets/strs & thick Qz veins; narrow granodiorite dykes present. The alteration throughout the interval is hornfelsed biotite & CA. Qz & CA veins have parallel foliation.
From 447.54 to 448.24m there are three solid subparallel 4-10cm Qz-PY-MO-carbonate VNs, 55 tca with abundant strs.
From 448.50 to 450.70m presence of fragile granodiorite, 30% of the core is broken with CA on fractures; Qz VNs +/- MO. Upper & lower contacts at 55 tca.
From 450.70 to 457.88m location of siltstone with 50% of broken core, CA on fractures.
@ 451.28m: contorted 54mm Qz-PY-MO VN, 20 tca is present.
From 451.71 to 452.00m two deformed 30 & 36mm Qz-PY-MO VNs, 75 tca are observed.
From 454.82 to 456.04m presence of granodiorite with narrow pink Qz-MO VNs, upper contact @60 tca, lower contact @45 tca.
@455.10m: pick 30mm Qz-AB-PY-MO VN, 65 tca is observed.
From 456.04 to 457.90m presence of siltstone mottled by narrow Qz-PY-AB-MO VNs/strs.
From 457.90 to 462.00m quartz-granodiorite with pink Qz +/- MO VNs & PY BB observed.
@459.81m: pink 80mm Qz-PY-MO VN, 80 tca is located.
@460.16m: solid 90mm Qz-PY-MO VN, 75 tca with branched 18mm Qz-PY-MO VN, 10 tca.
Below 460.48m presence of a broken core with CA on fractures; narrow 6.18mm Qz-PY-MO VNs (~3 VN/m).

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
447.00	462.00	HSLT

Fragile hornfelsed siltstone, fine grained, dark brown with carbonate & minor argillite altn, moderately foliated, core mottled by contorted Qz veinlets/strs & thick Qz veins; narrow granodirite dykes present. The alteration throughout the interval is hornfelsed biotite & CA. Qz & CA veins have parallel foliation.
From 447.54 to 448.24m there are three solid subparallel 4-10cm Qz-PY-MO-carbonate VNs, 55 tca with abundant strs.
From 448.50 to 450.70m presence of fragile granodiorite, 30% of the core is broken with CA on fractures; Qz VNs +/- MO. Upper & lower contacts at 55 tca.
From 450.70 to 457.88m location of siltstone with 50% of broken core, CA on fractures.
@ 451.28m: contorted 54mm Qz-PY-MO VN, 20 tca is present.
From 451.71 to 452.00m two deformed 30 & 36mm Qz-PY-MO VNs, 75 tca are observed.
From 454.82 to 456.04m presence of granodiorite with narrow pink Qz-MO VNs, upper contact @60 tca, lower contact @45 tca.
@455.10m: pick 30mm Qz-AB-PY-MO VN, 65 tca is observed.
From 456.04 to 457.90m presence of siltstone mottled by narrow Qz-PY-AB-MO VNs/strs.
From 457.90 to 462.00m quartz-granodiorite with pink Qz +/- MO VNs & PY BB observed.
@459.81m: pink 80mm Qz-PY-MO VN, 80 tca is located.
@460.16m: solid 90mm Qz-PY-MO VN, 75 tca with branched 18mm Qz-PY-MO VN, 10 tca.
Below 460.48m presence of a broken core with CA on fractures; narrow 6.18mm Qz-PY-MO VNs (~3 VN/m).

STRUCTURES

From	To	Struct	CA	Strain
447.00	462.00	BDG	50	W

~45-50% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
447.00	462.00	-	-	VW	M	-	M	-	M	-	M	M	M	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
447.00	462.00	8	40	20	2	3	60

~3 VNs per meter in this interval

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
447.00	462.00	2	VLT	MO	0.1				

>0.1% MO in this interval

From	To	Litho
462.00	471.00	HSLT

Fragile hornfelsed siltstone, fine grained, dark brown with carbonate & minor argillite altn, moderately foliated, core mottled by contorted Qz veinlets/strs & thick Qz veins; narrow granodirite dykes present. The alteration throughout the interval is hornfelsed biotite & CA. Qz veins with parallel foliation.
@462.32m: distorted 36mm Qz-PY-MO VN, 60 tca is present.
@462.94m: presence of a deformed 50mm Qz-PY-MO-PO VN, 90 tca.
From 463.30 to 463.58m distorted 50mm Qz-PY-MO VN, 30 tca is observed.
From 463.88 to 464.12m broken core with fragments of Qz-PY-MO VN, no orient, CA on fractures.
@464.64m: presence of a solid 60mm Qz-PY-MO VN, 75 tca cut off by CA strs.
From 464.90 to 466.00m stockwork of 12-24mm Qz-PY-MO VNs, 65 tca observed.
From 466.00 to 466.74m granodiorite with pink Qz veins; upper contact at 45 tca, lower contact at 80 tca.
@466.20m: solid Qz-PY-MO VN, 35 tca present.
@468.50m: selvaged 30mm Qz-PY-MO VN, 70 tca observed.
From 469.00 to 470,62m presence of stockwork of distorted 14-26mm Qz-PY-MO VNs, 75-85 tca.
@470.48m: thick 22cm Qz-PY-MO VN, 75 tca is present.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
462.00	471.00	HSLT

Fragile hornfelsed siltstone, fine grained, dark brown with carbonate & minor argillite altn, moderately foliated, core mottled by contorted Qz veinlets/strs & thick Qz veins; narrow granodirite dykes present. The alteration throughout the interval is hornfelsed biotite & CA. Qz veins with parallel foliation.
@462.32m: distorted 36mm Qz-PY-MO VN, 60 tca is present.
@462.94m: presence of a deformed 50mm Qz-PY-MO-PO VN, 90 tca.
From 463.30 to 463.58m distorted 50mm Qz-PY-MO VN, 30 tca is observed.
From 463.88 to 464.12m broken core with fragments of Qz-PY-MO VN, no orient, CA on fractures.
@464.64m: presence of a solid 60mm Qz-PY-MO VN, 75 tca cut off by CA strs.
From 464.90 to 466.00m stockwork of 12-24mm Qz-PY-MO VNs, 65 tca observed.
From 466.00 to 466.74m granodiorite with pink Qz veins; upper contact at 45 tca, lower contact at 80 tca.
@466.20m: solid Qz-PY-MO VN, 35 tca present.
@468.50m: selvaged 30mm Qz-PY-MO VN, 70 tca observed.
From 469.00 to 470,62m presence of stockwork of distorted 14-26mm Qz-PY-MO VNs, 75-85 tca.
@470.48m: thick 22cm Qz-PY-MO VN, 75 tca is present.

STRUCTURES

From	To	Struct	CA	Strain
462.00	471.00	BDG	60	M

~15-20% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
462.00	471.00	-	-	-	W	-	M	-	M	-	W	VW	M	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
462.00	471.00	5	10	5	2	3	70

~3 VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
462.00	471.00	2	VLT	MO	0.2				

~0.15-0.25% MO

From	To	Litho
471.00	488.70	HSLT

Fragile hornfelsed siltstone, fine grained, dark brown, moderately foliated, core mottled by contorted Qz veinlets/strs & thick Qz veins; narrow granodirite dyke present. The alteration throughout the interval is hornfelsed biotite & CA.
From 471.13 to 471.82m the core is broken (fragments).
From 741.82 to 474.00m presence of a sinificant zone with abundant Qz-PY-MO VNs in diff. orient.
From 474.00 to 475.00m presence of a broken core, all pieces <10cm.
From 475.00 to 476.20m greensh granodiorite with CA altn, ague conts. Is observed.
@476.20m distorted 60mm Qz-PY-MO VN, 70 tca with massive PY on boundary is present.
@476.50m: thick 14cm Qz-PY-MO VN, 50 tca is located.
@478.36m: presence of two parallel 30 &34mm Qz-PY-AB-MO VNs, 60 tca.
From 478.66 to 480.36m broken core is observed with70% pieces <10cm.
From 481.00 to 483.60m presence of a siltstone with significant/thick Qz-PY-MO venlets & PY BB across the core observed.
Below 485.20m stockwork of Qz-PY-MO VNs.
@487.00m: solid 16m Qz-Py-MO VN, 70 tca is present.

STRUCTURES

From	To	Struct	CA	Strain
471.00	488.70	BDG	60	M

partially broken core with CA on fracture

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
471.00	488.70	-	-	-	W	-	M	-	M	-	W	W	M	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
471.00	488.70	5	10			70	3

abundant Qz-sulfide VNs +/-MO

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
471.00	488.70	2	MG	MO	0.15				

From	To	Litho
471.00	488.70	HSLT

Fragile hornfelsed siltstone, fine grained, dark brown, moderately foliated, core mottled by contorted Qz veinlets/strs & thick Qz veins; narrow granodirite dyke present. The alteration throughout the interval is hornfelsed biotite & CA.
From 471.13 to 471.82m the core is broken (fragments).
From 741.82 to 474.00m presence of a sinificant zone with abundant Qz-PY-MO VNs in diff. orient.
From 474.00 to 475.00m presence of a broken core, all pieces <10cm.
From 475.00 to 476.20m greensh granodiorite with CA altn, ague conts. Is observed.
@476.20m distorted 60mm Qz-PY-MO VN, 70 tca with massive PY on boundary is present.
@476.50m: thick 14cm Qz-PY-MO VN, 50 tca is located.
@478.36m: presence of two parallel 30 &34mm Qz-PY-AB-MO VNs, 60 tca.
From 478.66 to 480.36m broken core is observed with70% pieces <10cm.
From 481.00 to 483.60m presence of a siltstone with significant/thick Qz-PY-MO venlets & PY BB across the core observed.
Below 485.20m stockwork of Qz-PY-MO VNs.
@487.00m: solid 16m Qz-Py-MO VN, 70 tca is present.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
488.70	501.70	GDIO

Fragile granodiorite, light grey in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase & orthoclase phenocrysts, biotite & hornblende & strong CA alteration. Core cut by Qz veinlets/filled fractures that contains wery weak Chl & BIO.
Below 491.70m there is a very strong CA altn, core is soft & fragile & partially gouge.
@501.70m E.O.H.

STRUCTURES

From	To	Struct	CA	Strain
488.70	501.70	MASS		W

core is soft with 30% gouge

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
488.70	501.70	-	-	-	VW	-	W	-	S	-	M	M	W	

very strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
488.70	501.70	2	20		10	1	

approx one Qz vein per meter

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
488.70	501.70	1	DISS	MO	0.01				

traces of MO

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0611

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46107	8.53	10.97	AND	CORE	0.03	0.014
46108	10.97	14.03	AND	CORE	0.04	0.009
46109	14.03	17.07	AND	CORE	0.03	0.025
46110				**MoS-1**	0.01	**0.066**
46111	17.07	20.12	AND	CORE	0.04	0.008
46112	20.12	23.16	AND	CORE	0.04	0.012
46113	23.16	26.21	AND	CORE	0.03	0.012
46114	26.21	29.26	AND	CORE	0.03	0.032
46115	29.26	32.31	AND	CORE	0.04	0.017
46116	32.31	35.36	AND	CORE	0.02	0.013
46117	35.36	38.40	AND	CORE	0.04	0.048
46118	38.40	41.45	AND	CORE	0.02	**0.053**
46119	41.45	44.50	AND	CORE	0.02	0.034
46120				DUPLICATE	0.02	0.034
46121	44.50	47.55	AND	CORE	0.05	0.038
46122	47.55	50.60	AND	CORE	0.08	0.026
46123	50.60	53.64	AND	CORE	0.03	**0.074**
46124	53.64	56.69	AND	CORE	0.05	**0.066**
46125				BLANK	0.00	0.000
46126	56.69	59.74	AND	CORE	0.03	0.030
46127	59.74	62.79	AND	CORE	0.02	0.050
46128	62.79	65.84	AND	CORE	0.06	**0.062**
46129	65.84	68.88	AND	CORE	0.15	**0.052**
46130				**MoS-1**	0.01	**0.065**
46131	68.88	71.93	AND	CORE	0.10	0.031
46132	71.93	74.98	AND	CORE	0.05	**0.066**
46133	74.98	78.03	AND	CORE	0.04	0.044
46134	78.03	81.08	AND	CORE	0.05	0.019
46135	81.08	84.12	AND	CORE	0.04	0.020
46136	84.12	87.17	AND	CORE	0.04	0.031
46137	87.17	90.22	AND	CORE	0.06	0.046
46138	90.22	93.27	AND	CORE	0.05	0.041
46139	93.27	96.32	AND	CORE	0.08	0.020
46140				DUPLICATE	0.08	0.020
46141	96.32	99.36	AND	CORE	0.07	0.027
46142	99.36	102.41	AND	CORE	0.09	**0.069**
46143	102.41	105.46	AND	CORE	0.08	**0.051**
46144	105.46	108.51	AND	CORE	0.06	0.030
46145				BLANK	0.00	0.000
46146	108.51	111.56	AND	CORE	0.06	**0.056**
46147	111.56	114.60	AND	CORE	0.06	0.039
46148	114.60	117.65	AND	CORE	0.05	**0.072**
46149	117.65	120.70	AND	CORE	0.08	0.042
46150				**MoS-1**	0.01	**0.064**
46151	120.70	123.75	AND	CORE	0.07	0.046
46152	123.75	126.80	AND	CORE	0.03	0.022
46153	126.80	129.84	AND	CORE	0.03	0.015
46154	129.84	132.89	AND	CORE	0.02	0.019
46155	132.89	135.94	AND	CORE	0.03	0.015
46156	135.94	138.99	AND	CORE	0.02	0.008

SAMPLE REPORT

HOLE ID: CH0611

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46157	138.99	142.04	AND	CORE	0.02	0.019
46158	142.04	145.08	AND/GDIO	CORE	0.02	0.009
46159	145.08	148.13	GDIO	CORE	0.04	0.041
46160				DUPLICATE	0.03	0.034
46161	148.13	151.18	GDIO	CORE	0.05	0.033
46162	151.18	154.23	GDIO	CORE	0.04	**0.054**
46163	154.23	157.28	GDIO/BDY	CORE	0.05	0.031
46164	157.28	160.32	BDY	CORE	0.01	0.001
46165				BLANK	0.00	0.000
46166	160.32	163.37	BDY	CORE	0.01	0.000
46167	163.37	166.42	BDY/AND	CORE	0.04	0.028
46168	166.42	169.47	AND	CORE	0.11	**0.054**
46169	169.47	172.52	AND	CORE	0.11	**0.067**
46170				**MoS-1**	0.01	**0.064**
46171	172.52	175.56	AND	CORE	0.09	**0.110**
46172	175.56	178.61	AND/BDY	CORE	0.05	**0.089**
46173	178.61	181.66	BDY	CORE	0.01	0.000
46174	181.66	184.71	BDY	CORE	0.01	0.001
46175	184.71	187.76	BDY	CORE	0.01	0.001
46176	187.76	190.80	BDY/AND	CORE	0.06	**0.112**
46177	190.80	193.85	AND	CORE	0.08	0.024
46178	193.85	196.90	AND	CORE	0.09	0.030
46179	196.90	199.95	AND	CORE	0.08	0.048
46180				DUPLICATE	0.08	0.021
46181	199.95	203.00	GDIO/AND	CORE	0.04	0.030
46182	203.00	206.04	AND	CORE	0.05	0.021
46183	206.04	209.09	AND	CORE	0.08	0.049
46184	209.09	212.14	AND	CORE	0.08	0.026
46185				BLANK	0.00	0.000
46186	212.14	215.19	AND	CORE	0.11	**0.054**
46187	215.19	218.24	AND	CORE	0.09	0.033
46188	218.24	221.28	AND	CORE	0.07	0.015
46189	221.28	224.33	AND/HSLT	CORE	0.03	0.034
46190				**MoS-1**	0.01	**0.064**
46191	224.33	227.38	HSLT	CORE	0.01	**0.057**
46192	227.38	230.43	HSLT	CORE	0.04	0.021
46193	230.43	233.48	HSLT	CORE	0.10	**0.065**
46194	233.48	236.53	HSLT	CORE	0.04	0.047
46195	236.53	239.57	HSLT	CORE	0.04	0.045
46196	239.57	242.62	HSLT	CORE	0.04	**0.132**
46197	242.62	245.67	HSLT	CORE	0.04	**0.140**
46198	245.67	248.72	HSLT	CORE	0.06	**0.108**
46199	248.72	251.76	HSLT	CORE	0.01	0.049
46200				DUPLICATE	0.01	**0.052**
46201	251.76	254.81	HSLT	CORE	0.03	**0.103**
46202	254.81	257.86	HSLT	CORE	0.02	**0.087**
46203	257.86	260.91	HSLT	CORE	0.03	**0.122**
46204	260.91	263.96	HSLT	CORE	0.04	**0.060**
46205				BLANK	0.00	0.000
46206	263.96	267.00	HSLT	CORE	0.04	**0.058**
46207	267.00	270.05	HSLT	CORE	0.02	**0.092**
46208	270.05	273.10	HSLT	CORE	0.11	**0.087**

SAMPLE REPORT

HOLE ID: CH0611

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46209	273.10	276.15	HSLT	CORE	0.08	**0.108**
46210				**MoS-1**	0.01	**0.065**
46211	276.15	279.20	HSLT	CORE	0.03	0.039
46212	279.20	282.24	HSLT	CORE	0.06	**0.123**
46213	282.24	285.29	HSLT	CORE	0.16	0.044
46214	285.29	288.34	HSLT	CORE	0.02	**0.077**
46215	288.34	291.39	HSLT	CORE	0.02	**0.116**
46216	291.39	294.44	HSLT	CORE	0.01	**0.060**
46217	294.44	297.48	HSLT	CORE	0.06	0.039
46218	297.48	300.53	HSLT	CORE	0.03	0.049
46219	300.53	303.58	HSLT	CORE	0.02	**0.086**
46220				DUPLICATE	0.02	**0.071**
46221	303.58	306.63	HSLT	CORE	0.02	**0.065**
46222	306.63	309.68	HSLT	CORE	0.02	0.021
46223	309.68	312.72	HSLT	CORE	0.02	0.022
46224	312.72	315.77	HSLT	CORE	0.03	0.035
46225				BLANK	0.00	0.000
46226	315.77	318.82	HSLT/GDIO	CORE	0.02	0.026
46227	318.82	321.87	GDIO	CORE	0.01	0.011
46228	321.87	324.92	GDIO	CORE	0.02	0.005
46229	324.92	327.96	GDIO	CORE	0.01	0.002
46230				**MoS-1**	0.01	**0.064**
46231	327.96	331.01	GDIO/HSLT	CORE	0.03	0.008
46232	331.01	334.06	HSLT	CORE	0.01	0.012
46233	334.06	337.11	QDP/QFP	CORE	0.01	0.002
46234	337.11	340.16	QDP/QFP	CORE	0.01	**0.090**
46235	340.16	343.20	QDP/QFP	CORE	0.02	0.030
46236	343.20	346.25	QDP/QFP	CORE	0.02	0.006
46237	346.25	349.30	QDP/QFP	CORE	0.02	0.023
46238	349.30	352.35	QDP/QFP	CORE	0.01	0.009
46239	352.35	355.40	QDP/QFP	CORE	0.02	0.016
46240				DUPLICATE	0.02	0.013
46241	355.40	358.44	QDP/QFP	CORE	0.02	0.012
46242	358.44	361.49	QDP/QFP	CORE	0.01	0.001

CHU Project - TTM Resources Inc.

Signature: ______________________

Initials: ________

CH0611

From	To	Litho
0.00	8.53	OB

Casing/overburden

STRUCTURES				
From	To	Struct	CA	Strain
0.00	8.53			

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
8.53	38.40	AND

From the beginning of this hole there is presence of greenish-brown hematitic andesite & dark hornblend feldspar phenocrysts, with network Qz-PY (+/-MG) strs & PY blotches, some flow bended zones, minor siltstone, Qz-PY-MO VNs & strs, 3-5% PY, weak PO, from weak to moderate Chl & BIO altn, moderate/strong silicification, weak MG & CA altn. Carbonate alteration is present weakly, surface weathering on joints, BIO, Chl & EPI altn, very weak CA.
From 17.07 to 17.37m presence of two 18mm Qz-PY-MO VN, 45 & 60 tca.
@21.88m: contorted selvaged 18mm Qz-PY-MO VN, 20 tca.
@24.92m: deformed 14mm Qz-PY-MOVN, 30 tca.
@31.03m: rim of 14mm Qz-PY-EPI-MO VN, 30 tca.
@31.90m: brecciated 26mm Qz-PY-MG-Chl VN, 65 tca.
@32.84m: 14mm Qz-PY-MO, 35 tca with Chl altn.
From 34.04 to 34.34m presence of 22mm Qz zone with Chl-BIO altn & thin streaks of MO, 60 tca was observed.
@35.66m: 16mm Qz-PY-MO-AB-Chl VN, 40 tca
From 37.77 to 38.32m presence of narrow 5mm Qz-PY-MO VN splitted core.

STRUCTURES				
From	To	Struct	CA	Strain
8.53	38.40	MASS		M

partially surface weathering on joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
8.53	38.40	-	-	M	M	-	M	VW	VW	VW	M	M	M	

silica & BIO altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
8.53	38.40	0.5	5	5	1	0.5	40

narrow Qz-PY-MO VNs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
8.53	38.40	2	VLT	MO	0.01				

traces of MO & tiny MO strs

Initials: ________

From	To	Litho
38.40	53.64	AND

Fine grained reddish & light green aphanitic andesite, phenocrysts in the matrix, BIO & hornblend feldspar crystals, silica & potassic altn, narrow Qz-PY-MO VNs & magnetic AB-Chl-sulfide VNs; a medium grained groundmass and occasional subheudral plagioclase, small blotches of chloritic green alteration, pyrite is moderately in veinlets form and less commonly disseminated, silica & BIO altn, ~1% MG.
@38.46m; thick contorted 38mm magnetic Qz-PY-Chl-MO VN, 40 tca.
@38.84m: thick10cm Qz-Chl-PY VN, 40 tca.
@39.22m: weakly magnetic 30mm Qz-PY-MO VN, 25 tca
Below 39.3m flow bended quartz-silica zone with potassic altn and tiny PY& MO strs.
From 45.8 to 46.00m presence of three deformed 10-16mm Qz-Py-MO VN, 50-65 tca observed.
@46.80m: thick & contorted 60mm Qz-PY-MO VN, 80 tca.
From 48.28 to 48.50m greenish Qz-BIO zone with 70 tca upper contact is present.
@48.50m: distorted 32mm Qz-MG-PY-PO VN 30 tca.
@48.90m: boudinaged 16mm Qz-PY-PO-MO-MG VN, 70 tca
From 52.70 to 53.53m broken core with surface weathering on joints observed

STRUCTURES

From	To	Struct	CA	Strain
38.40	53.64	MASS		M
4-6% joints				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
38.40	53.64	-	-	W	M	-	M	M	VW	VW	M	M	M	
potassic altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
38.40	53.64	2	50	20		1	60
contorted Qz-PY +/- MG & +/- MO veins.							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
38.40	53.64	2	VLT	MO	0.05				
approx >0.05% MO									

From	To	Litho
53.64	71.06	AND

Reddish & light greenish quartz-andesite with transitional zone to monzonite, phenocrysts into the matrix, BIO & hornblend feldspar crystals.
From 53.64 to 67.00m monzonite zone with silica & potassic altn observed with lower contact at 80 tca.
@55.52m: 12mm Qz-PY-MO-MG-BIO VN, 50 tca.
@56.24m: narrow ~10mm Qz-Py-MO VN, 30-60 tca (2-3 VN/m)
From 59.15 to 60.00m distorted 50mm Qz-PY-MO VN along the core is present.
@60.16m: two subparallel 10-14mm Qz-PY-MO VNs35 tca.
From 61.3 to 62.00m stockwork of 10-20mm Qz-PY-MO +/- Chl NVs, 50-80 tca.
@63.38m: solid 36mm Qz-PY-MOBIO-Chl VN, 45 tca with tiny Qz-MO strs around.
@64.60m: presence of 28mm Qz-PY-MO VN, 50 tca.
@65.48m: solid 20mm Qz-PY-MO VN, 60 tca with narrow (<5mm) Qz-MO strs.
@68.54m: thick 50mm Qz-PY-MO VN, 25 tca
Below 61.10m presence of brown andesite with Qz-PY-MO strs & CA-EPI-Chl altn.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
53.64	71.06	AND

Reddish & light greenish quartz-andesite with transitional zone to monzonite, phenocrysts into the matrix, BIO & hornblend feldspar crystals.
From 53.64 to 67.00m monzonite zone with silica & potassic altn observed with lower contact at 80 tca.
@55.52m: 12mm Qz-PY-MO-MG-BIO VN, 50 tca.
@56.24m: narrow ~10mm Qz-Py-MO VN, 30-60 tca (2-3 VN/m)
From 59.15 to 60.00m distorted 50mm Qz-PY-MO VN along the core is present.
@60.16m: two subparallel 10-14mm Qz-PY-MO VNs35 tca.
From 61.3 to 62.00m stockwork of 10-20mm Qz-PY-MO +/- Chl NVs, 50-80 tca.
@63.38m: solid 36mm Qz-PY-MOBIO-Chl VN, 45 tca with tiny Qz-MO strs around.
@64.60m: presence of 28mm Qz-PY-MO VN, 50 tca.
@65.48m: solid 20mm Qz-PY-MO VN, 60 tca with narrow (<5mm) Qz-MO strs.
@68.54m: thick 50mm Qz-PY-MO VN, 25 tca
Below 61.10m presence of brown andesite with Qz-PY-MO strs & CA-EPI-Chl altn.

STRUCTURES

From	To	Struct	CA	Strain
53.64	71.06	FLW		S

2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
53.64	71.06	-	-	-	M	-	-	M	VW	VW	M		M	

potassic altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
53.64	71.06	2	40	20	1	55	

Qz-Py-MO VNs strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
53.64	71.06	3	VLT	MO	0.15				

>0.15% MO

From	To	Litho
71.06	91.40	AND

Dark reddish hematitic andesite porphyry with narrow monzonite zones & strong Chl altn & moderate epidote altn, PY BB, strs & narrow VNs (~4% PY), DI MG & narrow veinlets (~2-3% MG), Qz-PY-MO VNs & strs (~two VNs/m).
@72.06m: solid 36mm Qz-PY-MO VNs, 70 tca.
Below 72.38m stockwork of 6-28mm Qz-PY-MO VNs, 35.90 tca.
@75.92m: solid selvaged 36mm Qz-PY-MO VN, 50 tca observed.
@77.93m: solid selvaged 42mm Qz-PY-MO VN, 50 tca is present.
@78.28m: there is a solid 30mm Qz-PY-MO VN, 85 tca.
@83.23m: location of a pink 20mm Qz-PY-MO VN, 35 tca.
@84.16m: thick 50mm Qz-PY-MO-C VN, 80 tca with narrow (1cm) Qz-PY-MO VNs radiating from this VN.
From 90.22 to 91.12m presence of a broken core.
@93.58m: magnetic 44mm Qz-PY-MO-BIO VN, 40 tca

STRUCTURES

From	To	Struct	CA	Strain
71.06	91.40	MAS		M
		S		

partially broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
71.06	91.40	-	-	S	M	-	-	M	W	VW	M	M	M	

MG, EPI, Chl & potassic altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
71.06	91.40	5	45	15	1	2	

Qz-PY-MO VNs up to 50mm thickness

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
71.06	91.40	3	VLT	MO	0.2				

~0.2% MO

From	To	Litho
71.06	91.40	AND

Dark reddish hematitic andesite porphyry with narrow monzonite zones & strong Chl altn & moderate epidote altn, PY BB, strs & narrow VNs (~4% PY), DI MG & narrow veinlets (~2-3% MG), Qz-PY-MO VNs & strs (~two VNs/m).
@72.06m: solid 36mm Qz-PY-MO VNs, 70 tca.
Below 72.38m stockwork of 6-28mm Qz-PY-MO VNs, 35.90 tca.
@75.92m: solid selvaged 36mm Qz-PY-MO VN, 50 tca observed.
@77.93m: solid selvaged 42mm Qz-PY-MO VN, 50 tca is present.
@78.28m: there is a solid 30mm Qz-PY-MO VN, 85 tca.
@83.23m: location of a pink 20mm Qz-PY-MO VN, 35 tca.
@84.16m: thick 50mm Qz-PY-MO-C VN, 80 tca with narrow (1cm) Qz-PY-MO VNs radiating from this VN.
From 90.22 to 91.12m presence of a broken core.
@93.58m: magnetic 44mm Qz-PY-MO-BIO VN, 40 tca

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
91.40	111.56	AND

Dark reddish andesite porphyry with narrow monzonite zones & moderate Chl & CA altn & moderate sulfide altn: PY BB, strs & narrow VNs (~3-4% PY), DI MG (~2-3% MG), Qz-PY-MO VNs & strs (~two VNs/m) & abundant defotned strs & blotches.
Below 94.8m stockwork of narrow (<14mm) Qz-PY-PO-MO VNs & abundant strs.
From 99.94 to 100.36m presence of a soft & broken core with strong CA & BIO altn.
From 106.6 to 106.72m location of a Qz-carbonate zone with CA strs and contacts at 50 tca
From 107.2 to 108.22m a broken core with Chl-CA on fracture & minor gouge is observed

STRUCTURES

From	To	Struct	CA	Strain
91.40	111.56	MASS		M

partially broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
91.40	111.56	-	-	M	M	-	M	W	W	W	M	M	M	

Chl, MG, EPI & CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
91.40	111.56	5	40	20	1	1	

abund Qz-sulfide MO strs in diff orient

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
91.40	111.56	4	SM	MO	0.2				

PY & PO blotches & strs

From	To	Litho
111.56	124.82	AND

Dark reddish & greenish andesite porphyry with monzonite zones & potassic altn, moderate Chl & sulfide altn: PY BB, strs & narrow VNs (~3-4% PY), DI MG (~2% MG), flow bended zones with AB altn 7 Qz-PY-MO VNs & strs (~two VNs/m) & abundant deformed strs; minor granodiorite zones
@114.56-114.72m: small granodiorite zone with 35 tca contacts.
@116.0 to 116.16m: location of two 18 & 30mm Qz-PY-MO-BIO VNs, 75 & 90 tca.
From 116.48 to 116.48m presence of a contorted zone with 50mm Qz-PY-MO-EPI VN, 35 tca.
From 129.68 to 120.54m greenish quarts-granodiorite with vaque upper contact & lower contact at 60 tca
@123.54m: pink selvaged 16mm Qz-Py-MO VN, 50 tca with tiny Qz-MO & PY-EPI strs in the same direction is observed.

STRUCTURES

From	To	Struct	CA	Strain
111.56	124.82	MASS		M

minor granodiorite zones

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
111.56	124.82	-	-	M	M	-	-	M	W	W	M	M	M	

EP, BIO, MG, potassic & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
111.56	124.82	3	30	15	1	1	55

abund Qz-PY-MO strs & sulfide -MG EPI strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
111.56	124.82	3	VLT	MO	0.2				

~1-2% MG

From	To	Litho
124.82	144.40	GDIO

White-gray quartz-granodiorite with a pink network of narrow Qz +/-MO VNs & strs, medium grained DI PY. Upper contact =50 tca, lower contact =10 tca.
@127.46m: solid pink 48mm Qz-PY VN, 60 tca.
@132.36m: location of a pink 20mm qz-PY-MO VN, 50 tca.
@13.52m: presence of a solid pink 56mm Qz-PY-PO-BIO-MO VN, 30 tca with branched 22mm Qz-PY-MO VN, 60 tca.
From 139.66 to 140.04m presemce of a Qz-monzonite zone with tiny MO strs, 50 tca.
@142.54m: solid 42m Qz-PY VN, 40 tca is observed.

STRUCTURES

From	To	Struct	CA	Strain
124.82	144.40	MASS		S

~1% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
124.82	144.40	-	-	-	M	-	-	VW	W	W	M	M	M	

weak potassic altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
124.82	144.40	4	30	30	1	1	

abund narrow (<1cm) Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
124.82	144.40	2	DISS	MO	0.05				

tiny MO strs & specks

CH0611

Initials: ________

From	To	Litho
144.40	**156.12**	**AND**

Dark & reddish-greenish andesite porphyry with flow banded zones, sulfide altn (~3% PY), AB strs, DI MG (~2% MG), Qz-PY-MO VNs & strs (~two VN/m) & abundant deformed strs, CA strs; minor granodiorite zone.
From 144.66 to 144.80m presence of a quartz-granodirite zone with 60 tca contact is observed.
@146.12m: branched out 26mm Qz-PY-MO VN, 70 tca.
From 146.20 to 146.50m breccia zone is present.
From 150.12 to 150.56m granodiorite zone with solid 60mm Qz-Py-MO VN, 35 tca observed.
From 151.10 to 151.74m knot of contorted Qz-PY-MO VNs (up to 20mm in thickness) in diff orient with up to ~ 1%MO observed in this interval .
From 152.92 to 153.18m two branched 14 & 24mm Ca-Qz-MG VNs, 40 & 70 tca are present.

STRUCTURES

From	To	Struct	CA	Strain
144.40	156.12	MASS		M

narrow flow bended zone

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
144.40	156.12	-	-	M	M	-	W	VW	W	W	M	W	M	

MG altrn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
144.40	156.12	3	20	10		2	

narrow Qz-PY-MO VNs/strs & AB strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
144.40	156.12	3	VLT	MO	0.1				

MG ~1%

From	To	Litho
156.12	**165.22**	**BDY**

Dark gray fine grained basalt with calcic plagioclase & pyroxene, silica, quartz & fine grained DI PY. Upper contact at 80 tca, lower contact at 70 tca.

STRUCTURES

From	To	Struct	CA	Strain
156.12	165.22	MASS		VS

<1 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
156.12	165.22	-	-	-	M	-	-	-	-	-	M	M		

Bio altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
156.12	165.22	0.1	10				

no VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
156.12	165.22	0.3	DISS						

non mineralized zone

 Initials: ________

From	To	Litho
165.22	178.12	AND

Dark reddish & greenish andesite porphyry, moderate Chl & sulfide altn: PY BB, strs & narrow VNs (~3-4% PY), DI MG (~2% MG), flow bended zones with AB altn & Qz-PY-MO VNs & strs (~two VNs/m) & abundant deformed strs.
From 165.12 to 165.40m granodiorite location (upper contact at 70 tca, lower contact at 90 tca)
@165.40m: sausaged shape of 26mm Qz-PY-MO-Chl VN, 45 tca.
@164.88m: presence of 23mm Qz-PY-MO VN, 50 tca.
@156.66m: selvaged 24mm Qz-PY-MO-AB VN, 75 tca is present.
From 166.68 to 170.60m network of narrow contorted Qz-PY-MO VNs in diff. orient.
@167.17m: solid 60mm Qz-PY-MO VN, 85 tca.
@172.84m: deformed AB-Qz-PY-MO VN, 70 tca with Qz-MO strs around
@172.14m: branched out 20mm Qz-PY-MO VN, 55 tca
From 172.40 to 172.72m there are location of three 24-70mm Qz-PY-MO VNs, 50-70 tca.
From 173.70 to 174.16m a broken core with CA on fracture observed
@174.40m: solid 40mm Qz-PY-MO-BIO VN, 55 tca is present
From 174.56 to 175.28m presence of stockwork of Qz-PY-MO VNs, 40-45 tca observed.
@175.5m: location of solid 56mm Qz-PY-MO VN, 80 tca with 16m branched out Qz-PY-MO VN, 40 tca .
@177.14m: solid 60mm Qz-PY-MO VN, 45 tca is present.
From 177.42 to 178.10m soft rock (fragments & gouge) with CA altn is present

STRUCTURES

From	To	Struct	CA	Strain
165.22	178.12	MASS		M

partially broken core (fragments & gouge)

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
165.22	178.12	-	-	VW	W	-	M	-	W	-	M	M	W	

BIO altn & partilly strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
165.22	178.12	4	6	6	2	3	50

core mottled Qz-PY-MO VNs/strs, partially CA VNs/strs,

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
165.22	178.12	4	VLT	MO	0.2				

abund Qz-MO VNs/str & sulfide BB, (~0.2% MO)

From	To	Litho
178.12	188.92	BDY

Dark gray basalt with plagioclase & pyroxene fine grained with silica, quartz & fine grained DI PY, tiny CA strs. Small zones (~20-50cm) broken core with CA on fracture.
From 179.26 to 179.82m presence of a broken core (pieces <10cm) with CA on fractures.
From 186.44 to 187.00m a broken core with CA on the fracture observed. Upper contact at 70 tca, lower contact at 60 tca.

STRUCTURES

From	To	Struct	CA	Strain
178.12	188.92	MASS		M

up to 10% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
178.12	188.92	-	-	-	M	-	-	-	M	-	M	M	VW	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
178.12	188.92	0.1	6	10	1		

CA strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
178.12	188.92	0.2	DISS						

Fine grained DI PI

From	To	Litho
178.12	188.92	BDY

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
188.92	199.28	AND

Dark reddish-greenish andesite porphyry with granodiorite dyke, moderate Chl & sulfide altn, PY-PO BB, strs & narrow VNs (~3-4% PY), DI MG (~1% MG), flow banded zones with AB altn & Qz-PY-MO VNs & strs (~2-3 VNs/m) & abundant destorted strs.
From 188.92 to 189.84m significant 50mm Qz-PY-MO VN along the core cut off by two thick 9cm & 16cm Qz-Py-MO VNs, 90 tca is observed.
From 190.62 to 190.78m two subparallel 20 & 24mm Qz-PY-MO VNs, 60 tca are present.
From 191.40 to 196.26m stockwork of 16-26mm Qz-Py-MO VNs, 15-80 tca & magnetic narrow contorted Qz-PY-EPI VNs are located.

STRUCTURES

From	To	Struct	CA	Strain
188.92	199.28	MASS		W

~6-8% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
188.92	199.28	-	-	M	M	-	-	M	M	M	M	M	S	

CA, MG & EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
188.92	199.28	3	15	10	1	3	40

abund Qz strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
188.92	199.28	4	VLT	MO	0.2				

~0.2% MO

From	To	Litho
199.28	202.36	GDIO

Gray quartz granodiorite hypidiomorphic by development of tubular plagioclase & hornblend, medium grain size, Qz +/- streaks of MO.
@189.88m: presence of dispersed 26mm Qz-PY-PO-MO VN, 35 tca with BIO streaks.
@200.70m: solid 30mm Qz-PY-MO VN, 55 tca.
@201.26m: solid pink 80mm Qz-PY-MO VN, 55 tca.
@201.46m: solid pink 46mm Qz VN, 50 tca.
From 202.14 to 202.28m greenish Qz zone with PY specks, 70 tca is present.

STRUCTURES

From	To	Struct	CA	Strain
199.28	202.36	MASS		M

3-5% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
199.28	202.36	-	-	W	M	-	M	VW	M	M	M	M	W	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
199.28	202.36	6	40	20	1	2	55

30-80mm Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
199.28	202.36	0.2	DISS	MO	0.1				

traces of MO

From	To	Litho
202.36	222.04	AND

Dark &, reddish andesite porphyry with minor granodiorite dyke, moderate Chl & sulfide altn; PY-PO BB, strs & narrow VNs (~4% PY, 2% PO), DI MG (~1% MG), flow banded zones with AB altn & Qz-PY-MO VNs (~2-3 VNs/m) with abundant distorted strs.
@205.16m: thick 12cm Qz-PY-MO VN, 40 tca.
@210.48m: presence of a pink 24mm Qz-PY-MO VN, 60 tca.
From 210.62 to 210.94m granodiorite porphyry, plagioclase location.
From 211.32 to 211.66m presence of silica zone with deformed 16-22mm Qz VNs and PY & CA strs
@212.8m: selvaged 30mm Qz-PY-MO VN, 45 tca with PO & EPI on halo.
@213.15m: distorted 30mm Qz-PY-MO VN, 40 tca with Chl altn observed.
@215.24m: presence of 30mm Qz-PO-MO VN, 70 tca.
@217.34m: location of contorted 30mm Qz-PY-PO MO VN, 75 tca.
From 220.20 to 222.04m granodiorite zone with Chl & CA altn. Presence of 20cm of broken core in that interval.

STRUCTURES

From	To	Struct	CA	Strain
202.36	222.04	MASS		W

~5-7% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
202.36	222.04	-	-	-	M	-	-	-	M	M				

CA strs

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
202.36	222.04	5	10	10	1.5	2	70

abund Qz-PY +/- MOstrs & AB PY-PO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
202.36	222.04	3	SM	PO	2	MO	0.15		

mostly MO present in abund Qz-P strs

From	To	Litho
222.04	237.00	AND

Brown quartz andesite with flow bended zones & braccia, vague contact (approx at 230.0m) to transitional zone to honfelsed siltstone. Core is mottled dominantly by tiny Qz strs. Sulfide blotches & strs. Contorted Qz-PY-MO VNs.
From 234.00 to 236.22m presence of a broken core with 70% pieces that are <10cm.
@222.64m: location of a branched out 32mm Qz-PY-MO VN, 40 tca.
From 223.54 to 223.80m location of a Qz zone with DY PY & AB-Chl altn.
@224.40m: there is a selvaged 14mm Qz-PY-MO VN, 15 tca with tiny streaks of MO around.
From 224.68 to 225.17m location of a breccia zone.
@225.70m: solid 40mm Qz-PY-MO VN, 55 tca with AB strs on boundary is present.
@227.38m: dendritic 24mm Qz-PY-MO VN, 20 tca observed.
@228.54m: location of a solid 60mm Qz-Py-MO VN, 50 tca.
@231.42m; solid 52mm Qz-PY-MO VN, 60 tca is present.
From 232.10 to 233.00m stockwork of 14-30mm Qz-PY-MO VNs, 55-80 tca is located.
From 233.82 to 234.06m a granodiorite zone is observed.
From 234.50 to 236.10m carbonate zone with 44mm qz-PY-MO VN, 90 tca is present.
@236.64m: presence of 26m Qz-PY-MO VN, 75 tca

STRUCTURES

From	To	Struct	CA	Strain
222.04	237.00	BDG		W

~20% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
222.04	237.00	-	-	W	S	-	M	M	W	M	M	M	M	

silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
222.04	237.00	5	50	20	1	4	50

core mottled by Qz strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
222.04	237.00	3	VLT	PO	1	MO	0.5		

partially >0.5% M0 present in tiny Qz strs

From	To	Litho
237.00	250.00	HSLT

Dark brown hornfelsed siltstone with Chl & sulfide altn; PY-PO BB, strs & narrow VNs (~2% PY, 2% PO), DI MG (~1-2% MG), flow bended zones with AB strs & Qz-PY-MO VNs (~2-3 VNs/m) with abundant strs. From 238.82-239.66m fault zone soft rock with breccia, CA strs, trace of MO. From 242.66 to 247.57m fault zone with breccia , fragments with Qz-MO VNs & gouge; Chl-CA on fracture.
From 238.00 to 238.44m quartz granodiorite zone with branched out 20mm Qz-PY-MO VN, 60 tca is observed.
Below 239.74m core is mottled by Qz-PY +AB, + MO strs & occasional narrow (<1cm) Qz-PY-MO VNs.
@242.42m: solid 64mm Qz-PY-MO VN, 80 tca with PO blotches on boundary
From 243.50 to 244.00m location of two thick distorted 30 & 60mm Qz-PY-MO VNs, 80 tca
@244.6m: distorted 54mm Qz-PY-MO VN, 50 tca is present.
From 245.26 to 246.00m quartz granodiorite zone with 56mm Qz-PY-MO VN, 40 tca
Below 247.50m core is mottled by deformed Qz-Py +/-MO VNs
From 248.86 to 250.00m stockwork of 14-32mm Qz-PY-MO VNs, 50-70 tca is present.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
237.00	250.00	HSLT

Dark brown hornfelsed siltstone with Chl & sulfide altn; PY-PO BB, strs & narrow VNs (~2% PY, 2% PO), DI MG (~1-2% MG), flow bended zones with AB strs & Qz-PY-MO VNs (~2-3 VNs/m) with abundant strs. From 238.82-239.66m fault zone soft rock with breccia, CA strs, trace of MO. From 242.66 to 247.57m fault zone with breccia , fragments with Qz-MO VNs & gouge; Chl-CA on fracture.
From 238.00 to 238.44m quartz granodiorite zone with branched out 20mm Qz-PY-MO VN, 60 tca is observed.
Below 239.74m core is mottled by Qz-PY +AB, + MO strs & occasional narrow (<1cm) Qz-PY-MO VNs.
@242.42m: solid 64mm Qz-PY-MO VN, 80 tca with PO blotches on boundary
From 243.50 to 244.00m location of two thick distorted 30 & 60mm Qz-PY-MO VNs, 80 tca
@244.6m: distorted 54mm Qz-PY-MO VN, 50 tca is present.
From 245.26 to 246.00m quartz granodiorite zone with 56mm Qz-PY-MO VN, 40 tca
Below 247.50m core is mottled by deformed Qz-Py +/-MO VNs
From 248.86 to 250.00m stockwork of 14-32mm Qz-PY-MO VNs, 50-70 tca is present.

STRUCTURES

From	To	Struct	CA	Strain
237.00	250.00	BDG	75	W

two fault zones

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
237.00	250.00	-	-	VW	M	-	W	VW	M	VW	M	M	M	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
237.00	250.00	3	5	15	1.5	2	70

abund deformed Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
237.00	250.00	3	VLT	PO	2	MO	0.5		

partially >0.5% MO

From	To	Litho
250.00	267.00	HSLT

Dark brown, fine grained hornfelsed silstone with minor granodiorite dyke, weak Chl & moderate sulfide altn; PY-PO BB, strs (~2% PY, 2% PO), DI MG (~1-2% MG), abundant Qz-PY-MO VNs (~3-4 VN/m) & abundant strs.
From 250.38 to 251.66m location of granodiorite with narrow Qz VNs & vague contacts
Below 252.00m location of stockwork of subparallel narrow Qz-PY-MO VNs & strs, 70 tca.
@253.27m: knot of 10-20mm Qz-PY-MO VNs, 75 tca.
@254.44m: presence of thick 90mm Qz-MO VN, 80 tca.
From 254.64 to 254.84m granodiorite zone with upper contact at 40tca and Qz-PY-MO VN, 70 tca is present
@254.92m; solid 13cm Qz-PY-MO VN, 75 tca.
@255.4m: presence of 8cm quartz-granodiorite porphyry with 75 tca contacts.
From 257.20 to 257.44m a broken core with CA on fracture is observed.
From 258.16 to 258.42m location of two thick & parallel 54mm & 58mm Qz-PY-MO VNs, 80 tca is observed.

STRUCTURES

From	To	Struct	CA	Strain
250.00	267.00	BDG	70	M

~4 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
250.00	267.00	-	VW	W	M	-	-	-	W	W	M	VW	M	

chacopyrite & magnetite alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
250.00	267.00	8	15	6	1	3	70

~3-4 Vns per meter in this interval

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
250.00	267.00	3	VLT	PO	2	CP	1		

good MO mineralization in this interval

Initials: ________

From	To	Litho
250.00	267.00	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
267.00	284.05	HSLT

Dark brown, fine grained hornfelsed siltstone with minor granodiorite dyke, weak Chl & moderate sulfide altn; PY-PO BB, strs (~3% PY, 2% PO), abundant Qz-PY-MO VNs (~3-4 VN/m) with abundant str.
From 267.20 to 269.40m stockwork of 14-34mm Qz-PY-MO VNs with AB specks, 70-85 tca.
From 270.60 to 272.24m location of a hybrid/breccia zone with Qz blotches, MO strs, EPI, Cpy, MG & AB alteration
From 276.14 to 276.60m granodiorite with 54mm selvaged Qz-PY-MO VN, 75 tca, vague upper contact and lower contact at 60 tca
From 277.03 to 279.20m quartz granodiorite porphyry present.
From 278.82 to 279.20m location of a dispersed 30mm Qz VN, 5 tca.
Below 279.2m location of siltstone with abundant deformed Qz-PY-MO VNs & partially broken core (CA on fracture) observed.
From 281.30 to 281.50m presence of two thick 50mm Qz-PY-MO VNs, 50 tca
From 283.10 to 283.40m presence of a broken core with CA on fracture
@283.70m: distorted 60m Qz-PY-MO VN, 40 tca is observed

STRUCTURES				
From	To	Struct	CA	Strain
267.00	284.05	BDG	70	M

~5% broken core

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
267.00	284.05	-	-	-	M	-	S	-	W	W	M	W	M	

CA & BIO altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
267.00	284.05	6	15	5	1	4	70

abund Qz-PY-M VNs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
267.00	284.05	4	VLT	MO	0.2	PO	2		

abundant Qz-PY-MO VNs & strs with good mineralization

 Initials: ________

From	To	Litho
284.05	300.50	HSLT

Dark brown, fine grained hornfelsed silstone with good mineralization; quartz granodiorite dyke, weak Chl & abundant sulfide strs (~3% PY, 2% PO), abundant Qz-PY-MO VNs (~3-4 VN/m).
@284.72m: thick contorted 14cm Qz-PY-MO VN, 40 tca is present
@285.10m: thick 50mm Qz-PY-MO VN, 45 tca is located.
From 285.95 to 286.66m stockwork of 28-34mm Qz-PY-MO VN, 60-80 tca.
From 286.92 to 293.54m stockwork of contorted 12-40mm Qz-PY-MO VNs with ~0.5% MO is observed.
From 293.58 to 294.80m greenish quatrz granodiorite with DI PY & MO traces is present.
From 294.80 to 295.73m presence of significant Qz-PY-MO zone with 50mm Qz-PY-EPI-PO-MO VN radiating from this zone.

STRUCTURES

From	To	Struct	CA	Strain
284.05	300.50	BDG	60	S

2-4% joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
284.05	300.50	-	-	W	S	-	M	W	W	W	W	M	M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
284.05	300.50	4	20	10	1	3	70

abund Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
284.05	300.50	3	DISS	MO	0.2				

0.2-0.3% MO

From	To	Litho
300.50	317.32	HSLT

Dark brown, fine grained hornfelsed silstone with good mineralization; quartz granodiorite dyke, weak Chl & abundant sulfide strs (~3% PY, 2% PO), abundant Qz-PY-MO VNs (~3-4 VN/m) presence of thick Qz-MO VNs.
From 300.54 to 306.00m stockworkof 20-40mmQz-PY-MO VN, 40-80 tca with 0.4% MO.
From 308.4- 308.83 thick & solid, selvaged Qz-PY-MO VN, 80 tca with thin MO streaks
From 309.56 to 309.84m thick & solid Qz-PY-MO_AB VN, 65 tca observed.
@312.91m: magnetic 30mm Qz-Py-MO VN, 50 tca.
From 313.46 to 314.08m presence of a contorted up to 13cm Qz-PY-CA-MO VN, 50 tca.
From 315.15 to 316.66m stockwork of 12-30mm Qz-PY-MO VN, 35-60 tca is observed.

STRUCTURES

From	To	Struct	CA	Strain
300.50	317.32	BDG	50	S

~1% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
300.50	317.32	-	-	W	S	-	M	W	W	-	W	M	M	

AB altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
300.50	317.32	8	10	10	1	3	55

Thick Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
300.50	317.32	2	-	PO	1	MO	0.3		

good MO mineralzation

 Initials: ________

From	To	Litho
317.32	330.50	GDIO

Granodiorite, medium grey in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase pheno's. Weakly foliated with chilled margins. Core is cut by narrow Qz & quartz-carbonate veinlets/filled fractures that contain Chl; pyrite and MO specks & traces of MO in small amounts. PY & PO BB & DI PY, minor magnetite. Lower contact =50 tca.
@317.12m: presence of a pink 22mm Qz-PY-MO-PO-MG VN, 15 tca.
@320.64m: location of a pink 28mm Qz VN65 tca cut off by 6mm CA VN, 20 tca.
From 322.08 to 322.30m presence of a thick Qz-AB VN, 35 tca observed.
@324.50m: 30mm Qz-PO-PY-MO VN, 50 tca is present.
@327.50m: pink 30mm Qz-PO-PY-MG VN 75 tca.
@327.70m: contorted (50mm in thickness) Qz VN, 10 tca is located.
@330.30m: distorted thick 12cm Qz-Py-PO-MO-MG VN, 50 tca.

STRUCTURES

From	To	Struct	CA	Strain
317.32	330.50	MAS S		S

~1% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
317.32	330.50	-	-	VW	S	-	VW	M	W	-	M	S	W	

weak MG

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
317.32	330.50	1	40	20	1	1	50

Qz Vns persence

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
317.32	330.50	1	DISS	MO	0.01				

weak MO

From	To	Litho
330.50	334.06	HSLT

Dark brown, fine grained hornfelsed silstone; quartz granodiorite dyke, weak EPI & Chl, sulfide strs (~1% PY, 1% PO), Qz-PY-MO strs. Upper contact at 50 tca, vague lower contact.
From 331.26 to 332.12m quartz granodiorite with upper contact at 20, lower contact at 70 tca.
From 332.80 to 333.00m presence of a narrow Qz-granodiorite, 40 tca

STRUCTURES

From	To	Struct	CA	Strain
330.50	334.06	BDG		M

~1% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
330.50	334.06	-	-	-	S	-	-	-	W	VW	W	W	W	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
330.50	334.06	2	6	10		1	60

random Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
330.50	334.06	1	VLT	MO	0.1				

MO present in Qz strs

CH0611

Initials: ________

From	To	Litho
334.06	361.49	QDP/QFP

Qz granodiorite porphyry, greenish & from light to medium grey in color, speckled black and white with a medium grained groundmass and occasional subheudral plagioclase phenocrysts. Weakly foliated with chilled margins. Core is cut by narrow Qz & quartz-carbonate veinlets (filled fractures that contain Chl & BIO); DI PY and MO specks & traces in small amounts. PY & PO BB & DI PY, minor MG.
From 336.30 to 337.00m presence of Qz-Chl zone with with minor sulfide BB.
@347.78m: brecciated 38mm Qz-AB-PY-MG-PO VN,35 tca is present.
From 349.20 to 349.40m brecciated quartz chlorite zone with abundant PY specks around observed.
From 356.38-356.92m a quartz zone with Chl, BIO & MG present
From 358.68 to the E.O.H. dark granodiorite porphyry with wak Chl & medium grained groundmass observed.

STRUCTURES

From	To	Struct	CA	Strain
334.06	361.49	MASS		S
~2% joints				

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
334.06	361.49	-	-	M	S	-	VW	M	VW	VW	M	M	W	
Chl altn														

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
334.06	361.49	1	40	20		1	0.5
random Qz ns							

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
334.06	361.49	1	DISS	PO	0.5	MO	0.02		
very weak MO									

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0610

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45851	5.18	8.23	AND	CORE	0.03	0.011
45852	8.23	11.28	AND	CORE	0.08	0.032
45853	11.28	14.33	AND	CORE	0.08	0.007
45854	14.33	17.37	AND	CORE	0.04	0.003
45855	17.37	20.42	AND	CORE	0.05	0.002
45856	20.42	23.47	AND	CORE	0.05	0.004
45857	23.47	26.52	AND	CORE	0.06	0.009
45858	26.52	29.57	AND	CORE	0.05	0.005
45859	29.57	32.61	AND	CORE	0.05	0.009
45860				DUPLICATE	0.07	0.010
45861	35.66	38.71	AND	CORE	0.02	0.003
45862	38.71	41.76	AND	CORE	0.03	0.010
45863	41.76	44.81	AND	CORE	0.08	0.024
45864	44.81	47.85	AND	CORE	0.06	0.030
45865				BLANK	0.00	0.000
45866	47.85	50.90	AND	CORE	0.05	0.017
45867	50.90	52.40	AND	CORE	0.05	**0.068**
45868	52.40	53.95	AND	CORE	0.04	0.039
45869	53.95	57.00	AND	CORE	0.04	0.028
45870				**MoS-1**	0.01	**0.065**
45871	57.00	60.05	AND	CORE	0.05	0.027
45872	60.05	63.09	AND	CORE	0.06	0.034
45873	63.09	66.14	AND	CORE	0.11	0.012
45874	66.14	69.19	AND	CORE	0.11	**0.051**
45875	69.19	72.24	AND/HSLT	CORE	0.08	0.013
45876	72.24	75.29	HSLT	CORE	0.06	0.012
45877	75.29	78.33	HSLT	CORE	0.04	0.026
45878	78.33	81.38	HSLT	CORE	0.02	0.016
45879	81.38	84.43	HSLT	CORE	0.03	0.039
45880				DUPLICATE	0.04	0.045
45881	84.43	87.48	HSLT	CORE	0.02	0.014
45882	87.48	90.53	HSLT	CORE	0.03	0.017
45883	90.53	93.57	HSLT	CORE	0.02	0.020
45884	93.57	96.62	HSLT	CORE	0.04	0.027
45885				BLANK	0.00	0.000
45886	96.62	99.67	HSLT	CORE	0.05	0.034
45887	99.67	102.72	HSLT	CORE	0.02	0.014
45888	102.72	105.77	HSLT	CORE	0.04	0.034
45889	105.77	108.81	HSLT	CORE	0.03	0.012
45890				**MoS-1**	0.01	**0.065**
45891	108.81	111.86	HSLT/AND	CORE	0.02	0.012
45892	111.86	114.91	AND	CORE	0.03	0.026
45893	114.91	117.96	AND	CORE	0.04	0.012
45894	117.96	121.01	AND	CORE	0.05	0.016
45895	121.01	124.05	AND	CORE	0.03	0.004
45896	124.05	127.10	AND	CORE	0.04	0.019
45897	127.10	130.15	AND	CORE	0.04	0.018
45898	130.15	133.20	AND	CORE	0.07	0.029
45899	133.20	136.25	AND	CORE	0.02	0.018
45900				DUPLICATE	0.04	0.029

SAMPLE REPORT

HOLE ID: CH0610

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45901	136.25	139.29	AND	CORE	0.01	0.019
45902	139.29	142.34	AND	CORE	0.02	0.037
45903	142.34	145.39	AND	CORE	0.02	0.034
45904	145.39	148.44	AND	CORE	0.01	0.021
45905				BLANK	0.00	0.000
45906	148.44	151.49	AND	CORE	0.02	0.017
45907	151.49	154.53	AND	CORE	0.03	0.021
45908	154.53	157.58	AND	CORE	0.05	0.023
45909	157.58	160.63	AND	CORE	0.04	**0.099**
45910				**MoS-1**	0.01	**0.063**
45911	160.63	163.68	AND	CORE	0.04	0.022
45912	163.68	166.73	AND	CORE	0.08	**0.114**
45913	166.73	169.77	AND	CORE	0.06	0.028
45914	169.77	172.82	AND	CORE	0.04	0.035
45915	172.82	175.87	AND	CORE	0.03	0.008
45916	175.87	178.92	AND	CORE	0.05	0.031
45917	178.92	181.97	AND	CORE	0.05	0.027
45918	181.97	185.01	AND	CORE	0.04	0.013
45919	185.01	188.06	AND	CORE	0.03	0.021
45920				DUPLICATE	0.04	0.027
45921	188.06	191.11	AND	CORE	0.05	0.047
45922	191.11	194.16	AND	CORE	0.08	0.028
45923	194.16	197.21	AND	CORE	0.04	0.042
45924	197.21	200.25	AND	CORE	0.04	0.023
45925				BLANK	0.00	0.000
45926	200.25	203.30	AND	CORE	0.04	**0.067**
45927	203.30	206.35	AND	CORE	0.07	**0.141**
45928	206.35	209.40	AND	CORE	0.05	**0.057**
45929	209.40	212.45	AND	CORE	0.05	**0.054**
45930				**MoS-1**	0.01	**0.063**
45931	212.45	215.49	AND	CORE	0.03	0.025
45932	215.49	218.54	AND	CORE	0.04	0.025
45933	218.54	221.59	AND	CORE	0.02	0.018
45934	221.59	224.64	AND	CORE	0.04	0.022
45935	224.64	227.69	AND	CORE	0.09	0.026
45936	227.69	230.73	AND	CORE	0.10	**0.054**
45937	230.73	233.78	AND	CORE	0.06	0.036
45938	233.78	236.83	AND	CORE	0.07	0.022
45939	236.83	239.88	AND	CORE	0.05	**0.063**
45940				DUPLICATE	0.06	0.039
45941	239.88	242.93	AND	CORE	0.05	0.041
45942	242.93	245.97	AND	CORE	0.06	0.039
45943	245.97	249.02	AND	CORE	0.06	0.041
45944	249.02	252.07	AND	CORE	0.05	0.034
45945				BLANK	0.00	0.000
45946	252.07	255.12	AND	CORE	0.04	0.028
45947	255.12	258.17	AND	CORE	0.04	0.030
45948	258.17	261.21	AND	CORE	0.08	**0.056**
45949	261.21	264.26	AND	CORE	0.04	0.045
45950				**MoS-1**	0.01	**0.064**
45951	264.26	267.31	AND	CORE	0.04	0.016
45952	267.31	270.36	AND	CORE	0.03	0.038

SAMPLE REPORT

HOLE ID: CH0610

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
45953	270.36	273.41	AND	CORE	0.03	0.015
45954	273.41	276.45	AND	CORE	0.05	0.041
45955	276.45	279.50	AND	CORE	0.03	0.024
45956	279.50	282.55	AND	CORE	0.05	0.036
45957	282.55	285.60	AND	CORE	0.04	0.026
45958	285.60	288.65	AND	CORE	0.04	0.049
45959	288.65	291.69	AND	CORE	0.04	**0.064**
45960				DUPLICATE	0.06	**0.056**
45961	291.69	294.74	AND	CORE	0.03	0.050
45962	294.74	297.79	AND	CORE	0.03	0.027
45963	297.79	300.84	AND	CORE	0.02	0.025
45964	300.84	303.89	AND	CORE	0.03	0.035
45965				BLANK	0.00	0.000
45966	303.89	306.93	AND	CORE	0.03	0.043
45967	306.93	309.98	AND	CORE	0.04	**0.143**
45968	309.98	313.03	AND/GDIO	CORE	0.02	0.037
45969	313.03	316.08	GDIO	CORE	0.02	0.028
45970				**MoS-1**	0.01	**0.064**
45971	316.08	319.13	AND	CORE	0.03	0.029
45972	319.13	322.17	AND	CORE	0.04	**0.064**
45973	322.17	325.22	AND	CORE	0.02	0.041
45974	325.22	328.27	AND	CORE	0.02	0.023
45975	328.27	331.32	AND	CORE	0.03	0.026
45976	331.32	334.36	AND	CORE	0.06	**0.062**
45977	334.36	337.41	AND	CORE	0.04	**0.118**
45978	337.41	340.46	AND	CORE	0.04	**0.150**
45979	340.46	343.51	AND	CORE	0.05	**0.075**
45980				DUPLICATE	0.05	**0.065**
45981	343.51	346.56	AND	CORE	0.07	0.035
45982	346.56	349.61	AND	CORE	0.06	**0.054**
45983	349.61	352.65	AND	CORE	0.04	0.032
45984	352.65	355.70	AND	CORE	0.07	0.038
45985				BLANK	0.00	0.000
45986	355.70	358.75	AND	CORE	0.06	0.031
45987	358.75	361.80	AND	CORE	0.06	**0.066**
45988	361.80	364.85	AND	CORE	0.07	**0.086**
45989	364.85	367.89	AND	CORE	0.09	0.042
45990				**MoS-1**	0.01	**0.064**
45991	367.89	370.94	AND	CORE	0.07	**0.053**
45992	370.94	373.99	AND	CORE	0.10	0.023
45993	373.99	377.04	AND	CORE	0.09	**0.058**
45994	377.04	380.09	AND	CORE	0.08	0.022
45995	380.09	383.13	AND	CORE	0.06	0.020
45996	383.13	386.18	AND	CORE	0.05	0.040
45997	386.18	389.23	AND	CORE	0.04	**0.067**
45998	389.23	392.28	AND/DIOR	CORE	0.04	0.027
45999	392.28	395.33	DIOR	CORE	0.00	0.000
46000				DUPLICATE	0.00	0.000
46001	395.33	398.37	DIOR/AND	CORE	0.03	0.022
46002	398.37	401.42	AND	CORE	0.07	0.028
46003	401.42	404.47	AND	CORE	0.10	0.046
46004	404.47	407.52	AND	CORE	0.08	0.024

SAMPLE REPORT

HOLE ID: CH0610

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46005				BLANK	0.00	0.000
46006	407.52	410.57	AND	CORE	0.06	0.043
46007	410.57	413.61	AND	CORE	0.08	**0.062**
46008	413.61	416.66	AND	CORE	0.10	**0.059**
46009	416.66	419.71	AND	CORE	0.09	0.039
46010				**MoS-1**	0.01	**0.065**
46011	419.71	422.76	AND	CORE	0.09	0.029
46012	422.76	425.81	AND	CORE	0.10	0.030
46013	425.81	428.85	AND	CORE	0.12	**0.099**
46014	428.85	431.90	AND	CORE	0.20	0.023
46015	431.90	434.95	AND	CORE	0.09	**0.084**
46016	434.95	438.00	AND	CORE	0.10	**0.133**
46017	438.00	441.05	AND	CORE	0.08	**0.119**
46018	441.05	444.09	AND	CORE	0.11	**0.054**
46019	444.09	447.14	AND	CORE	0.12	0.041
46020				DUPLICATE	0.11	0.043
46021	447.14	450.19	AND/GDIO	CORE	0.05	0.039
46022	450.19	453.24	GDIO	CORE	0.05	0.013
46023	453.24	456.29	AND	CORE	0.07	**0.075**
46024	456.29	459.33	AND	CORE	0.04	0.031
46025				BLANK	0.00	0.000
46026	459.33	462.38	AND	CORE	0.04	**0.051**
46027	462.38	465.43	AND	CORE	0.03	**0.055**
46028	465.43	468.48	AND	CORE	0.07	**0.066**
46029	468.48	471.53	AND	CORE	0.05	0.045
46030				**MoS-1**	0.01	**0.064**
46031	471.53	474.57	AND	CORE	0.07	**0.051**
46032	474.57	477.62	AND/GDIO	CORE	0.08	0.034
46033	477.62	480.67	GDIO	CORE	0.05	0.047
46034	480.67	483.72	GDIO/AND	CORE	0.06	**0.086**
46035	483.72	486.77	AND	CORE	0.06	**0.053**
46036	486.77	489.81	AND	CORE	0.05	**0.070**
46037	489.81	492.86	AND	CORE	0.07	0.043
46038	492.86	495.91	AND	CORE	0.06	**0.160**
46039	495.91	498.96	AND/GDIO	CORE	0.02	0.025
46040				DUPLICATE	0.02	0.027
46041	498.96	502.01	GDIO	CORE	0.04	**0.118**
46042	502.01	505.05	GDIO/AND	CORE	0.03	**0.134**
46043	505.05	508.10	AND	CORE	0.06	**0.085**
46044	508.10	511.15	AND	CORE	0.04	**0.079**
46045				BLANK	0.00	0.000
46046	511.15	514.20	AND/HSLT	CORE	0.07	**0.092**
46047	514.20	517.25	HSLT	CORE	0.06	**0.055**
46048	517.25	520.29	HSLT	CORE	0.04	0.049
46049	520.29	523.34	HSLT	CORE	0.05	**0.092**
46050				**MoS-1**	0.01	**0.064**
46051	523.34	526.39	HSLT	CORE	0.04	**0.061**
46052	526.39	529.44	HSLT	CORE	0.02	**0.059**
46053	529.44	532.49	HSLT	CORE	0.05	**0.090**
46054	532.49	535.53	HSLT	CORE	0.03	**0.103**
46055	535.53	538.58	HSLT/AND	CORE	0.01	0.021
46056	538.58	541.63	AND	CORE	0.01	0.001

SAMPLE REPORT

HOLE ID: CH0610

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46057	541.63	544.68	AND/HSLT	CORE	0.01	0.046
46058	544.68	547.72	HSLT	CORE	0.02	**0.055**
46059	547.72	550.77	HSLT	CORE	0.02	**0.100**
46060				DUPLICATE	0.02	**0.078**
46061	550.77	553.82	HSLT	CORE	0.02	**0.121**
46062	553.82	556.87	HSLT	CORE	0.02	**0.067**
46063	556.87	559.92	HSLT/AND	CORE	0.02	**0.052**
46064	559.92	562.97	AND	CORE	0.01	0.001
46065				BLANK	0.00	0.000
46066	562.97	566.01	AND/HSLT	CORE	0.01	0.005
46067	566.01	569.06	HSLT	CORE	0.04	**0.085**
46068	569.06	572.11	HSLT/GDIO	CORE	0.02	0.037
46069	572.11	575.16	GDIO/HSLT	CORE	0.02	0.017
46070				**MoS-1**	0.01	**0.062**
46071	575.16	578.21	HSLT	CORE	0.03	**0.057**
46072	578.21	581.25	HSLT	CORE	0.02	0.048
46073	581.25	584.30	HSLT	CORE	0.02	0.031
46074	584.30	587.35	HSLT	CORE	0.01	**0.062**
46075	587.35	590.40	HSLT	CORE	0.01	0.021
46076	590.40	593.45	HSLT	CORE	0.01	**0.065**
46077	593.45	596.49	HSLT	CORE	0.02	**0.091**
46078	596.49	599.54	HSLT	CORE	0.02	0.029
46079	599.54	602.59	HSLT	CORE	0.02	0.025
46080				DUPLICATE	0.02	0.023
46081	602.59	605.64	HSLT	CORE	0.01	0.038
46082	605.64	608.69	HSLT	CORE	0.01	0.033
46083	608.69	611.73	HSLT	CORE	0.02	0.050
46084	611.73	614.78	HSLT	CORE	0.02	0.020
46085				BLANK	0.00	0.000
46086	614.78	617.83	HSLT	CORE	0.02	0.022
46087	617.83	620.88	HSLT	CORE	0.03	**0.063**
46088	620.88	623.93	HSLT	CORE	0.02	**0.102**
46089	623.93	626.97	HSLT	CORE	0.02	0.037
46090				**MoS-1**	0.01	**0.065**
46091	626.97	630.02	HSLT	CORE	0.01	0.015
46092	630.02	633.07	HSLT	CORE	0.00	0.000
46093	633.07	636.12	HSLT/GDIO	CORE	0.01	0.022
46094	636.12	639.17	GDIO/HSLT	CORE	0.01	0.023
46095	639.17	642.21	HSLT	CORE	0.02	0.019
46096	642.21	645.26	HSLT	CORE	0.02	0.034
46097	645.26	648.31	HSLT	CORE	0.07	0.022
46098	648.31	651.36	HSLT	CORE	0.03	**0.056**
46099	651.36	654.41	HSLT	CORE	0.03	0.050
46100				DUPLICATE	0.06	0.044
46101	654.41	657.45	HSLT	CORE	0.02	0.034
46102	657.45	660.50	HSLT	CORE	0.03	0.046
46103	660.50	663.55	HSLT	CORE	0.03	0.025
46104	663.55	666.60	HSLT	CORE	0.02	0.032
46105				BLANK	0.00	0.000
46106	666.60	669.65	HSLT	CORE	0.01	0.010

CHU Project - TTM Resources Inc.

Signature: ____________

CH0610

Initials: ______

From	To	Litho
0.00	5.18	OB

Case/overburden

STRUCTURES

From	To	Struct	CA	Strain
0.00	5.18			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
5.18	27.87	AND

Greenish andesite porphyry with blotches of magnetite (MG ~2-3%); surface weathering on joints, network PY (+/-MG) strs & PY blotches (3-4% PY), moderate BIO, Chl & EPI altn & very weak CA altn, MO occures below 5.20m in narrow Qz VNs & strs.
@6.88m: 24mm Qz-PY-MO VN at 50 tca.
@9.85m: 12mm Qz-PY-MO VN is located at 50 tca.
@10.58m: 14mm Qz-PY-MO VN at 60 tca.
@15.22m: 60mm Qz-PY-MO VN at 60 tca.
From 23.94 to 24.6m: narrow 8mm Qz-PY-MO-EPI VN along the core.
@24.6m: solid 32mm Qz-PY-EPI MO VN at45 tca.
@26.94m: 16mm Qz-PY-MO VN at 60 tca.
@27.47m: narrow 10mm Qz-PY-MO VN at 45 tca.

STRUCTURES

From	To	Struct	CA	Strain
5.18	27.87	MASS		M

partially surface weathering on joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
5.18	27.87	-	-	S	W	-	W	-	-	S	M	M		

strong Chl & mod EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
5.18	27.87	3	20	10			

random Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
5.18	27.87	3	VLT	MO	0.01	BO	0.50		

MO present in random Qz-PY VNs

Initials: ________

From	To	Litho
5.18	27.87	AND

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
27.87	51.41	AND

Greenish andesite porphyry, PY (+/-MG) strs, PY & EPI blotches (3-4% PY), strong Chl altn, moderate BIO, AB & EPI altn, very weak CA altn, MO present in the random Qz VNs & strs, ptygmatic/irregular distribution MG along the core (MG ~4%).
From 31.5 to 32.18m there is a narrow 7mm Qz-PY-BIO-MO-EPI VN, 10 tca.
@39.46m: narrow 12mm Qz-PY-EPI-MO VN, 60 tca.
@39.92m: solid 23mm Qz-PY-BIO-MO VN, 60 tca.
@41.12m there is 17mm Qz-PY-BIO-MG-MO VN, 20 tca.
@43.26m: presence of selvaged 12mm Qz-Py-MG-MO VN, 40 tca with 6mm Qz-PY-MO-MG VN that radiates from the main VN located at 15 tca.
From 47.73 to 46.2m boudinaged 18mm Qz-PY-MO-MG VN, 10 tca.
@49.54m: dispersed 14mm Qz-PY-MG-MO-EPY VN, 20 tca.
@51.1m: two parallel 10 & 12mm Qz-PY-MG VNs, 35 tca are present.
From 51.96 to 52.4m: significant Qz-CA-PY-MO VN, 15 tca with occasional carbonate in this interval.
@54.33-54.7m: well crystallized 15mm CA VN, 15 tca with 3x4mm crystals.
From 55.93 to 56.28m: 12mm CA-Qz-PY-MO VN, 10 tca cut off by 14mm Qz-AB-MO VN, 75 tca.

STRUCTURES				
From	To	Struct	CA	Strain
27.87	51.41	MASS		M
5% joints				

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
27.87	51.41	-	-	S	W	-	-	-	M	S	M	M	M	
Mod EPI altn														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
27.87	51.41	4	30	20	3	1	
narrow Qz-PY-MO+/-MG VN, ~1 VN/m							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
27.87	51.41	4	VLT	MO	0.05				
MO in Qz-PY +/-MG VNs									

From	To	Litho
51.41	71.20	AND

Greenish andesite porphyry with silica altn and interfingered hornfesed siltstone strongly altered by Chl with abundant PY & EPI blotches (>3-4% PO & PY).
Weak CA VNs with moderate BIO, AB & EPI altn. MO is present occasionaly Qz VNs & strs, irregular distribution MG along the core (~3%).
@56.82m: location of deformed 22mm Qz-PY-MO VN, 50 tca with MG & EPI altn around.
@58.32m: presence of contorted 12mm Qz-PY-MG-MO VN, 40 tca.
@60.0m: 24mm Qz-PY-MG VN, 40 tca with thin streaks of MO.
@60.33m: solid 14mm Qz-PY-MO-MG VN, 55 tca.
Narrow 12mm CA-Qz-MO VN, 0 tca are cutting the core from 61.10 to 62.66m with PY blotches (~5% PY).
@65.8m: solid 22mm Qz-PY-PO-MO VN, 70 tca is present.
Below 68.10m: turbulent flowing zone with irregular distribution of Qz BB.

STRUCTURES

From	To	Struct	CA	Strain
51.41	71.20	MAS S		M

2-4% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
51.41	71.20	-	-	S	M	-	M	VW	M	S	M	W	W	

Chl, sulfide, EPI & MG altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
51.41	71.20	1	30	20	2	1	20

Qz-PY-PO-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
51.41	71.20	3	VLT	PO	3	MO	0.01		

MO preset in Qz VNs

From	To	Litho
71.20	87.48	HSLT

Siliceous brown hornfelsed siltstone with flow bended transitional zone, strong Chl altn, random tiny Qz-MO VNs & strs, (MO ~0.05%), moderate BIO & AB altn,
contorted sulfide strs, felsic breccia zones, deformed Qz VNs, vague upper contact to anndesite.
@80.58m: location of deformed Qz-PY-MO VN, 50 tca cut off by another 12mm Qz-PM VN, 50 tca.
@82.58-82.90m: narrow 8mm CA VN, 5 tca with MO on halo.
@90.66m: pink 10mm CA-Qz-MO VN, 40 tca is observed

STRUCTURES

From	To	Struct	CA	Strain
71.20	87.48	BDG		M

hornfelsed siltstone with transitional zone

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
71.20	87.48	-	-	S	M	-	W	-	M	S	M	W	M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
71.20	87.48	2	15		1	1	

tiny Qz-MO VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
71.20	87.48	2	VLT	MO	0.05				

MO present in Qz strs

CH0610

Initials: ________

From	To	Litho
71.20	87.48	HSLT

Siliceous brown hornfelsed siltstone with flow bended transitional zone, strong Chl altn, random tiny Qz-MO VNs & strs, (MO ~0.05%), moderate BIO & AB altn, contorted sulfide strs, felsic breccia zones, deformed Qz VNs, vague upper contact to anndesite.
@80.58m: location of deformed Qz-PY-MO VN, 50 tca cut off by another 12mm Qz-PM VN, 50 tca.
@82.58-82.90m: narrow 8mm CA VN, 5 tca with MO on halo.
@90.66m: pink 10mm CA-Qz-MO VN, 40 tca is observed

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
87.48	109.00	HSLT

Brown hornfelsed siltstone with moderate & strong silicification; deformed Qz VNs; PY, PO, EPI, BIO along the core, minor Cpy, MG & MO disseminated in tiny Qz VNs (<0.1% MO, ~3-4% PY).
@91.96m: solid 20mm Qz-PY-PO-MG-MO VN, 40 tca.
From 96.19 to 97.5m narrow 7mm Qz-PY-BIO-MO-EPI VN along the core is present.
@101.00m: dispersed 23mm Qz-PY-BIO-MO VN, 40 tca with subparallel 8mm selvaged Qz-PY-MO VN is observed.
@102.22m: location of solid Qz-PY-BIO-MG-MO VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
87.48	109.00	BDG	45	S

~2-3 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
87.48	109.00	-	-	VW	S	-	M	M	VW	M	W	W	M	W

strong silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
87.48	109.00	2	45	20	3	2	5

tiny Qz-Py-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
87.48	109.00	3	VLT	PO	2	MO	0.05		

>0.05% MO in tiny Qz VN

From	To	Litho
87.48	109.00	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
109.00	135.38	AND

Brown metasiltstone & blackish-green andesite with minor greenish to reddish quartz monzonite zones with weak MG, feldspar phenocrysts, plagioclase, moderate BIO; MO is present in dendritic Qz-PY VNs & strs, blotches & strs of medium grained PY (~3-4%), weak Cpy.
From 109.05 to 110.06m significant Qz-PY-MG-EPI-MO VN along the core .
From 110.42 to 111.54m fault zone with fragments, sand & gouge; strong CA altn.
From 112.43 to 113.82m fault zone with strong CA altn (fragments, sand & gouge).
@114.22m: narrow 8mm Qz-PY-MO-EPI VN, 5 tca is observed
@114.38-114.52m: very soft core.
From 114.8 to 116.34m four minor shear zones.
From 119.1 to 119.9m narrow 8mm Qz-CA VN along the core, rock is fragile.
From 120.0 to 121.77m broken core as a result of strong CA altn.
From 124.05 to 124.35m fault zone with fragments & gouge.
@126.56m: contorted 15mm Qz-PY-MG-PO-MO VN, 40 tca.
@126.04m: presence of boudinaged 14mm Qz-PY-MOMG VN, 35 tca.
From 127.45 to 128.78m fault zone with fragments, sand & gouge.
@128.32m: trace of 15mm Qz-PY-MO VN, 10 tca.
@131.0-131.34m: fragile Qz-CA-MO VN, 20 tca with PY-MG-EPI on boundary.
From 131.34 to132.16m tiny 5-8mm sulfide-MG-EPI vein along the core.
@ 134.16m: location of dendritic 23mm Qz-PY-EPI-MO VN, 45 tca.
From 134.46 to 135.27m fragile broken rock, CA VNs mottled the core.

STRUCTURES				
From	To	Struct	CA	Strain
109.00	135.38	FLT		W

a few fault zones ~1m lenth with fragments & gouge in this interval

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
109.00	135.38	-	-	M	M	-	-	M	M	W	M	M	M	

strong Chl & CA altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
109.00	135.38	4	10	10	3	1	10

partially fragile core as a result

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
109.00	135.38	3	VLT	PO	2	BO	0.01	MO	0.0

MO presence in Qz

 Initials: ________

From	To	Litho
109.00	135.38	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
135.38	159.60	AND

Dark, brown-greenish fine grained andesite with transitional zones to monzonite & potassic alteration, moderate silicification & biotization, feldspar phenocrysts, ~1-2% magnetite throughout the core, network of Qz-PY-MO strs, MO is present in Qz-PY VNs & strs (~0.1%), coarse & fine grained PY in strs & blotches.The core is hard and competent, with a greyish green colour (chlorite alteration).
@137.88-137.94m: Qz zone with CA-EPI & contorted Qz-MO strs.
@140.26m: knot of Qz-MO strs with PY BB.
Below 140.90m abundant tiny Qz-MO strs.
@132.50m:location of narrow 5mm Qz-PY-MO VN, 20 tca.
@143.86m: narrow 8mm Qz-AB-PY-MO VN, 20 tca is observed
@145.60-146.30m: carbonate zone with dispersed 10mm Qz-AB-MO VN, 15 tca at lower contact is present.
@147.34m: there is a solid 16mm Qz-P-MO VN, 70 tca with contorted Qz-PY-MO strs around.
Below 151.84m there is a presence of flow bended zone with strong Chl & moderate AB altn and narrow <6mm Qz-PY-MO VNs.
@155.00m: deformed 12mm Qz-PY-MO VN, 45 tca with strong sulfide, EPI & BIO altn.
@157.38m: location of pinkish 13mm Qz-pY-MO VN, 40 tca.
@158.52m: solid 27mm Qz-PY-MO-EPI VN, 40 tca with significant MO on selvage is observed.
From 159.00 to 159, 60m a few naroow 4-7mm contorted Qz-PY-MO VNs with 0.3% MO are present in this interval.

STRUCTURES

From	To	Struct	CA	Strain
135.38	159.60	MAS S		S

3 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
135.38	159.60	-	-	S	S	-	-	-	M	W	M	M	M	

Strong Chl & mod EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
135.38	159.60	3	50	30			

partially monzonite with weak potassic alteration

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
135.38	159.60	3	DISS	PO	2	MO	0.30		

good mineralized zone

From	To	Litho
135.38	159.60	AND

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
159.60	177.70	AND

Dark grey & brown-greenish fine grained andesite, small transitional zones to monzonite & minor potassic alteration, moderate silicification & biotization, feldspar phenocrysts, ~1-2% magnetite throughout the core, Qz-PY-MO strs with MO >0.1%, strs & blotches of PY.The core is hard & competent with chlorite & silica alteration.
@163.46m: presence of solid 36mm Qz-MG-PY-MO -BIO-EPI VN, 60 tca.
@163.61m:location of two parallel 14mm Qz-PY-MO VN, 65 tca.
@164.85 165.8 significant 50mm Qz-PY-PO-MO-MG VN along the core is present.
Below 167.80m a network of narrow (<10mm) Qz-PY-PO-MO VNs are observed in diff. directions
@170.14m: solid 15mm Qz-PY-MO-PO VN, 15 tca.
@173.5m: 12mm AB-CA-QZ-PY VN, 35 tca.

STRUCTURES				
From	To	Struct	CA	Strain
159.60	177.70	MASS		S

4-5% joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
159.60	177.70	-	-	M	S	-	M	W	M	M	S	M	M	

Chl, MG & EPI altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
159.60	177.70	4	40	15	2	2	15

significant Qz-sulfide-MO VNs present in this interval

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
159.60	177.70	3	DISS	PO	2	MO	0.20		

~1-2% MG present throughout the core

Initials: ________

From	To	Litho
177.70	199.46	AND

Grey & brown-greenish fine grained quartz-andesite, small transitional zones to monzonite with flow bended zones, minor potassic alteration, moderate biotization & epidotization, feldspar phenocrysts, ~1% magnetite throughout the core, random Qz-PY-MO VNs with MO <0.1% (strs & blotches of sulfide).The core is hard & competent with some silica alterations. @186.55m: selvaged 11mm Qz-PY-MO VN, 35 tca.
From 188.00 to 188.32m contorted 12mm Qz-PY-EPI-MO VN, 0 tca with knot of Qz-PY-MO strs & MG blebs.
In the interval 191.05-191.20m boudinaged 12mm Qz-PY-MO-MG VN, 30 tca with tiny MO strs around.
@192.00m there is a presence of deformed 14mm Qz-PY-PO-MG-BIO VN, 40 tca.
From 193.84 to 195.40m stockwork 10-16mm Qz-PY-MO-MG VNs, 40-60 tca is present.
@195.50m: location of 17mm Qz-PY-MO-BIO-EPI VN, 40 tca.
From 195.95 to 196.36m monzonite with potassic alteration is observed.
@198.76m: pink selvaged Qz-PY-AB-MO VN, 40 tca
@198.06m: location of significant 46mm Qz-PY-MO-MG VN, 35 tca.
@199.28m: presence of pink 12mm Qz-PY-MO-MG VN, 25 tca cut off by 9mm Q-PY-MO VN, 80 tca.

STRUCTURES

From	To	Struct	CA	Strain
177.70	199.46	MAS S		S

solid core wit very weak CA altn

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
177.70	199.46	-	-	W	M	-	M	M	VW	W	M	M	M	

mod BIO & weak EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
177.70	199.46	4	35	20	2	2	40

Qz-sulfide-BIO-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
177.70	199.46	3	VLT	PO	2	MO	0.15		

MG (~1-2%) present throughout the core & in Qz VNs

From	To	Litho
199.46	224.50	AND

Dark brown greenish fine & medium grained quartz-andesite, small transitional zones to monzonite, strs & blotches of sulfide, feldspar phenocrysts, minor potassic alteration, moderate biotization & weak epidotization, weak (~1%) magnetite throughout the core, two Qz-PY-MO VNs/m with MO >0.2% .The core is hard & competent.
From 199.46 to 200.80m flow bended zone with tiny Qz-MO strs, mostly 40 tca.is observed.
@202.62m: presence of 20mm Qz-CA-BIO-MO VN, 25 tca with small EPI blebs around.
From 204.60 to 205.36m carbonate zone with CA & Qz strs & vague contacts is present.
@206.36m: there ia a significant 40mm Qz-PY-MO VN, 20 tca with narrow VNs/strs branched out & subparallel to10mm Qz-PY-MO VN.
@206.35-206.75m: presence of two subparallel 12mm Qz-PY-MO VNs, 20 tca with branched out narrow VNs.
From 206.80m to 224.50m location of dark brown andesite with DI sulfide & stockwork (<20mm) Qz-PY-MO VNs, weak CA & EPI altn.

Py

STRUCTURES

From	To	Struct	CA	Strain
199.46	224.50	MASS		S

1-2 % joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
199.46	224.50	-	W	-	M	-	-	VW	VW	W	M	M	M	

mod BIO; weak EPI & very weak Mgaltn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
199.46	224.50	5	30	15	2	2	40

two Qz-PY-MO VNs/m & network Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
199.46	224.50	3	VLT	PO	2	MO	0.30		

good MO moneralization in this interval

Initials: ________

From	To	Litho
224.50	248.20	AND

Dark grey redish & greenish, fine & medium grained andesite, feldspar phenocrysts, strs & blotches of sulfide, moderate biotization & weak epidotization, weak (~1%) magnetite throughout the core, Qz-PY-MO VNs with MO ~0.1% .The core is hard & competent.
From 225.00 to 227.00m there is a location of a zone with Qz-BIO-sulfide-MG-EPI blotches.
@227.80m: pink 18mm Qz-PY-MO-MG VN, 30 tca with PY BB around is observed.
@229.90m: presence of a significant 34mm branched out Qz-PY-MO VN, 35 tca.
From 230.32 to 231.67m andesite-monzonite zone with stockwork contorted Qz-PY-MO VNs & strs, 50-70 tca.
From 231.96 to 234.30m location of random narrow (<1cm) Qz-PY-MO VNs & PY BB & strs observed
@234.32m: deformed/branched out significant 18mm Qz-PY-MO VN, 30 tca.
From 234.40 to 242.08m presence of andesite with a narrow Qz-PY-MO VN & P strs.
@238.03m: sevaged 20mm Qz-PY-MO VN, 50 tca is present.
@238.12m: sulfide BB with 11mm PY-PO-Cpy-BIO-MO VN, 55 tca.
From 243.90 to 244.42m presence of boudinaged 13mm Qz-PY-CA-MO VN, 5 tca.
@247.20m: magnetic 18mm Qz-PY-PO-MO VN, 80 tca.
@247.86-248.20m: location of selvaged 30mm Qz-PY-MO-MG VN, 20 tca.is observed

STRUCTURES

From	To	Struct	CA	Strain
224.50	248.20	MASS		S

1-2 % joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
224.50	248.20	-	-	W	M	-	M	W	VW	W	M	M	M	

weak EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
224.50	248.20	4	20	101		2	40

Qz-sulfide-MO VNs & sulfide strs/BB

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
224.50	248.20	3	MG	MO	0.15	PO	2.00		

good mineralization in Qz-MO VNs

From	To	Litho
248.20	260.40	AND

Dark grey & redish, fine grained andesite with evident flow structures, tabular plagioclase feldspar, sulfide strs & blotches, biotization (from moderate to strong), weak epidotization, weak magnetite (~1%) throughout the core, narrow (<1cm) Qz-PY-MO VNs with MO >0.1% .The core is hard & competent.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
248.20	260.40	AND

Dark grey & redish, fine grained andesite with evident flow structures, tabular plagioclase feldspar, sulfide strs & blotches, biotization (from moderate to strong), weak epidotization, weak magnetite (~1%) throughout the core, narrow (<1cm) Qz-PY-MO VNs with MO >0.1% .The core is hard & competent.

STRUCTURES

From	To	Struct	CA	Strain
248.20	260.40	FR		S

1-2 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
248.20	260.40	-	-	-	M	-	M	VW	VW	W	S	W	M	

weak EPI & from moderate to strong BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
248.20	260.40	2	20	15	1	1	50

narrow <1cm Qz-Py-MO VN & abundant strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
248.20	260.40	3	VLT	MO	0.15	PO	1.00		

~1-2% MG throughout the core

From	To	Litho
260.40	281.93	AND

Dark grey, reddish & greenish, medium & fine grained andesite, partially quartz-andesite, feldspar phenocrysts, strs & blotches of sulfide, moderate biotization & weak epidotization, weak (~1%) magnetite throughout the core, Qz-PY-MO VNs with MO ~0.1% . Partially broken core, ~15-20% pieces are <10cm, Ca-Chl-BIO on fracture.
@260.40m: Qz-PY-MO VN 16mm, 75 tca.
@260.98m: presence of solid 20mm Qz-PY-MO, 40 tca.
@261.97m: location of boudinaged 14mm Qz-PY-MO-BIO VN, 30 tca.
@262.90m: contorted 24mm Qz-PY-MO-EPI VN, 15 tca.
@263.88m: deformed 25mm Qz-Py-PO-AB-MG VN, 30 tca with some potassic alteration around is observed.
@264.36m: narrow 10mm Qz-PY-MO VN, 30 tca cross cut by another 6mm QzpY-MO VN 30 tca.
From 267.00 to 268.66m location of a broken core with 70% pieces < 10cm is observed.
@268.10m: Qz-PY-MO VN, 11mm 65 tca.
@268.70m: presence of boudinaged 16mm Qz-Py-MO VN, 25 tca with abundant Qz-PY-MO strs.
From 268.16 to 272.00m location of the zone with contortad narrow Qz-pY-MO-EPI VNs & networl Qz-PY-MO strs.
@272.25-273.28m:there is a broken core with pieces <10cm and CA-Chl-BIO on fracture.
@273.84m: presence of selvaged 10mm Qz-PY-MO VN, 25 tca.
@275.27-275.80m:location of reticulated network Qz-PY-MO veinlets that <13mm in thickness.
@276.16m: distorted pink 14mm Qz-PY-MO VN, 10 tca.
Below 276.50m the location of reticulated network with narrow Qz-PY-MO VNs & strs with EPI & BIO altn is observed

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
260.40	281.93	AND

Dark grey, reddish & greenish, medium & fine grained andesite, partially quartz-andesite, feldspar phenocrysts, strs & blotches of sulfide, moderate biotization & weak epidotization, weak (~1%) magnetite throughout the core, Qz-PY-MO VNs with MO ~0.1% . Partially broken core, ~15-20% pieces are <10cm, Ca-Chl-BIO on fracture.
@260.40m: Qz-PY-MO VN 16mm, 75 tca.
@260.98m: presence of solid 20mm Qz-PY-MO, 40 tca.
@261.97m: location of boudinaged 14mm Qz-PY-MO-BIO VN, 30 tca.
@262.90m: contorted 24mm Qz-PY-MO-EPI VN, 15 tca.
@263.88m: deformed 25mm Qz-Py-PO-AB-MG VN, 30 tca with some potassic alteration around is observed.
@264.36m: narrow 10mm Qz-PY-MO VN, 30 tca cross cut by another 6mm QzpY-MO VN 30 tca.
From 267.00 to 268.66m location of a broken core with 70% pieces < 10cm is observed.
@268.10m: Qz-PY-MO VN, 11mm 65 tca.
@268.70m: presence of boudinaged 16mm Qz-Py-MO VN, 25 tca with abundant Qz-PY-MO strs.
From 268.16 to 272.00m location of the zone with contortad narrow Qz-pY-MO-EPI VNs & networl Qz-PY-MO strs.
@272.25-273.28m:there is a broken core with pieces <10cm and CA-Chl-BIO on fracture.
@273.84m: presence of selvaged 10mm Qz-PY-MO VN, 25 tca.
@275.27-275.80m:location of reticulated network Qz-PY-MO veinlets that <13mm in thickness.
@276.16m: distorted pink 14mm Qz-PY-MO VN, 10 tca.
Below 276.50m the location of reticulated network with narrow Qz-PY-MO VNs & strs with EPI & BIO altn is observed

STRUCTURES

From	To	Struct	CA	Strain
260.40	281.93	MASS		M

~15-20% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
260.40	281.93	-	-	W	M	-	M	-	VW	W	M	M	M	

moderate BIO, weak EPI & very weak MG altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
260.40	281.93	3	30	15	1	1	50

1-2 narrow (<12mm) VNs per meter

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
260.40	281.93	3	VLT	PO	1	MO	0.10		

MO mostly present in Qz-P-MO strs

From	To	Litho
281.93	290.92	AND

Dark brown greenish medium grained quartz-andesite with granodiorite zones, strs & blotches of sulfide, feldspar phenocrysts, moderate biotization & weak epidotization.The core is hard & competent.
@283.64m: boudinaged 18mm Qz-PY-MO VN, 30 tca.is present.
@284.28m: zone of deformed 24mm Qz-PY-MO VN, 80 tca.
From 287.60 to 288.58m granodiorite dyke Qz-PY & traces of MO is present. Contacts =25 tca.
Below 288.58m flow bended zone is observed.
@291.00m: location of solid 16mm Qz-pY-MO-AB-MG VN, 50 tca.
@292.50m: pink solid 24m Qz-PY, 65 tca.
@292.80m: presence of solid 70mm Qz-PY-MO VN, 70 tca.
From 294.34 to 294.88m broken core & breccia with 70% pieces <10cm is observed.
@295.60m: boudinaged 14mm Qz-PY-MO-BIO VN,25 tca.
From 296.50 to 296.86m core is broken into small pieces.
From 297.60 to 298.30m granodiorite with contacts at35 tca.

STRUCTURES

From	To	Struct	CA	Strain
281.93	290.92	MAS S		S

partially broken core, granodiorite zones

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
281.93	290.92	-	-	W	M	-	M	W	VW	W	M	M	M	

biotite altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
281.93	290.92	3	35	20		1	40

abundant Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
281.93	290.92	4	VLT	MO	0.15				

MG < !%

From	To	Litho
290.92	310.18	AND

Dark brown greenish fine & medium grained quartz-andesite with granodiorite zones, strs & blotches of sulfide, feldspar phenocrysts, moderate biotization & weak epidotization.The core is hard & competent.
@299.28m: pink 16mm selvaged Qz-PY-MO VN, 50 tca.
@299.52m: pink 13mm selvaged Qz-PY-MO VN, 20 tca cut off by 14mm Qz-PY-MO VN, 80 tca.
@300.66m: solid 15cm in thickness Qz-PY-MO VN, 85 tca.
From 300.90 to 308.30m stockwork of narrow Qz-PY-MO+/-AB VNs with ~0.2% MO.
@308.33m: significant 42mm selvaged Qz-PY-MO VN, 20 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
290.92	310.18	AND

Dark brown greenish fine & medium grained quartz-andesite with granodiorite zones, strs & blotches of sulfide, feldspar phenocrysts, moderate biotization & weak epidotization.The core is hard & competent.
@299.28m: pink 16mm selvaged Qz-PY-MO VN, 50 tca.
@299.52m: pink 13mm selvaged Qz-PY-MO VN, 20 tca cut off by 14mm Qz-PY-MO VN, 80 tca.
@300.66m: solid 15cm in thickness Qz-PY-MO VN, 85 tca.
From 300.90 to 308.30m stockwork of narrow Qz-PY-MO+/-AB VNs with ~0.2% MO.
@308.33m: significant 42mm selvaged Qz-PY-MO VN, 20 tca.

STRUCTURES

From	To	Struct	CA	Strain
290.92	310.00	MASS		S

flow bended zone present

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
290.92	310.18	-	-	M	M	-	M	W	VW	W	M	M	M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
290.92	310.18	4	35	20	1	2	60

two VNs per meter plus Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
290.92	310.18	3	VLT	MO	0.2				

good mineralized zone

From	To	Litho
310.18	316.60	GDIO

Grey-greenish granodiorite dyke, coarse grained texture, plagioclase. MO traces throughout the core. Upper contact =20 tca, lower contact = 35 tca.
@313.60-313.80m: small pieces of broken core are observed.
@317.34m: location of pink 14mm Qz-PY-MO VN, 15 tca.

STRUCTURES

From	To	Struct	CA	Strain
310.18	316.60	MASS		S

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
310.18	316.60	-	-	W	M	-	-	VW	VW	-	M	M	M	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
310.18	316.60	1	40	25	1	0.5	20

random Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
310.18	316.60	2	DISS	MO	0.02				

Very weak MO

From	To	Litho
310.18	316.60	GDIO

Grey-greenish granodiorite dyke, coarse grained texture, plagioclase. MO traces throughout the core. Upper contact =20 tca, lower contact = 35 tca.
@313.60-313.80m: small pieces of broken core are observed.
@317.34m: location of pink 14mm Qz-PY-MO VN, 15 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
316.60	333.90	AND

Dark brown greenish medium grained quartz-andesite with transitional zones to monzonite & granodiorite zones; strs & blotches of sulfide, feldspar phenocrysts, moderate biotization & weak epidotization.The core is hard & competent with contorted/deformed AB-Chl-sulfide-MG VNs & narrow Qz-PY-MO VNs are present in this interval.
@325.46m: solid 20mm selvaged Qz-PY-MO VN,40 tca.
From 322.68 to 324.20m stockwork of narrow Qz-PY-MO VNs.
From 324.68 to 325.45m granodiorite with Qz-PY-MO VNs is observed.
@325.46m: presence of solid 48mm selvaged Qz-PT-MO VN, 60 tca.
From 326.15 to 326.45m contorted Qz-PY-MO veinlets located in diff. orient.
From 327.17 to 329.90m granodiorite with three pink Qz-PY-MO VNs(20-28mm), 55-75 tca. Upper contact =40 tca, lower contact =35 tca.
@330.80m: location of dispersed 24mm Qz-PY-PO-MG-EPI-MO VN, 20 tca.
@331.32-332.20m: reticulated network of narrow Qz-PY-MG-MO VN, in diff. orient.

STRUCTURES

From	To	Struct	CA	Strain
316.60	333.90	MASS		S
	2% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
316.60	333.90	-	-	W	M	-	-	M	VW	W	M	M	M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
316.60	333.90	3	25	10	1	2	

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
316.60	333.90	3	VLT	MO	0.1				

Initials: ________

From	To	Litho
316.60	333.90	AND

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
333.90	352.10	AND

Dark reddish medium grained andesite with significant Qz-sulfide-MO VNs are present in this interval; strs & blotches of sulfide, moderate biotization & weak epidotization.The core is hard & competent with MG alteration.
@334.70m: significant (15cm in thickness) Qz-PY-MO VN, 50 tca.
Fom 335.35 to 337.40m stockwork of 15-24mm Qz-PY-MO +/-AB VNs, 20-80 tca.
@337.52m: significant 27mm Qz-PY-PO-MO-BIO VN, 30 tca.is present
From 338.30 to 340.50m stockwork of 14-20mm Qz-PY-PO-MO VNs, 10-45 tca with tiny Qz-MO strs is observed
@341.27-341.60m: presence of granodiorite with contacts =20 tca.
@341.80m: location of boudinaged 12mm Q-CAEPI-MO VN, 15 tca. 341.96m: solid 32mm Qz-PY-MO-MG VN, 30 tca.
@342.06m: there is a location of significant 26mm Qz-PY-PO-MO VN, 20 tca.
@344.42m: boudinaged 26mm Qz-PY-MO-EPY-MG VN, 10 tca.
@346.60m: strong CA altn; Qz-CA-PY-MO-PO VN, 30mm thick, 10 tca.
From 346.62 to 347.30m granodiorite with 10mm Qz-pY-MO VN, 10 tca (upper cont. =10 tca).
@347.40-347.80m presence of flow bended zone with Qz-MO strs & semi-massive PY-PO.
@348.88m: dispersed 26mm Qz-PY-EPI-MO VN, 40 tca with branched out narrow VNs.
@349.44m: solid 36mm Qz-Py-MO-EPI-MG VN, 60 tca.
From 349.50 to 351.08m the presence of the zone with reticulated network of narrow Qz-PY-MO VNs.
From 351.10 to 352.10m location of granodiorite dyke.

STRUCTURES

From	To	Struct	CA	Strain
333.90	352.10	MASS		S

rock is frash & solid with narrow 1.0m granodiorite dyke

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
333.90	352.10	-	VS	W	M	-	-	VW	VW	W	M	M	M	

weak CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
333.90	352.10	5	35	15	1	3	20

significant Qz-PY-MO VNs & strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
333.90	352.10	4	SM	PO	2	MO	0.30		

> 0.3 MO mineralization in this interval

CH0610

Initials: ________

From	To	Litho
352.10	370.00	AND

Dark grey-redish medium grained andesite, significant Qz-sulfide-MO VNs are present in this interval; strs & blotches of sulfide, moderate biotization & weak epidotization.The core is hard & competent with weak MG alteration. Reticulated network of narrow <10mm Qz-PY-MO VNs/strs.
@353.00-353.30m knot contorted 14mm Qz-PY-MO-Cpy-PO VNs.
From 354.00 to 361.90m stockwork of 10-18mm Qz-PY-MG-MO+/-EPI VNs, 25-75 tca with distorted narrow Qz-AB-MG VNs.
From 361.95 to 363.05m (!) significant boudinaged 25mm Qz-CA-PY-PO-EPI-MO along the core.
From 363.46 to 364.42m significant dispersed Qz-PY-MO-EPI (0 tca) cut off by another veinlets in this interval.
@365.60m: boudinaged 22mm Qz-PY-MO VN, 10 tca.
@366.70m: solid 40mm Qz-PY-EPI-MO VN, 80 tca.
From 367.00 to 367.44m boudinaged Qz-PY-EPI-MO VN, 10 tca with 14mm Qz-PY-MO VN radiating from the main VN.
Below 367.40m network of narrow Qz-PY-MO VNs/strs with good MO mineralzation.

STRUCTURES

From	To	Struct	CA	Strain
352.10	370.00	MASS		S

rock is frash & solid

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
352.10	370.00	-	-	M	M	-	-	W	VW	W	M	M	S	

weak EPI & MG altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
352.10	370.00	5	25	10	2	4	10

3-4 Qz-PY-MO VNs/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
352.10	370.00	4	VLT	PO	1	MO	0.30		

MO mineralization ~05%

CH0610

From	To	Litho
370.00	390.55	AND

Dark grey-reddish medium grained andesite, with transitional zone to sanstone & significant Qz-sulfide-MO VNs present in this interval; strs & blotches of sulfide, moderate biotization & weak epidotization.The core is hard & competent with weak MG alteration.
@370.64-370.92m: contorted 24mm Qz-PY-MO-PO-EPI VN, 10 tca.
@371.00m: solid 25mm Qz-PY-MO VN, 60 tca.
From 371.55 to 371.85m granodiorite.
From 372.7 to 372.93m there are two parallel 18 & 22 mm Qz-PY-CA-MO VNs, 35 tca.
From 373.31 to 373.60m location of granodiorite with 17mm Qz-PY-MO VN, 25 tca is observed.
From 375.82 to 376.82m branched out 30mm Qz-sulfite -MO VN, 35tca with semi massive PO & PY blotches.
From 375.33 to 376.00m stockwork of 10-16mm Qz-PY-MO +/-AB VNs, 40-60 tca.
@376.60m: solid 34mm Qz-PY-MO VN, 40 tca.
@377.84-377.20m: distorted 16mm Qz-PY-MO VN, 15 tca.
From 378.06 to 378.38m there is a solid 80mm Qz-BIO-PY-PO-MO VN, 40 tca.
From 379.34 to 380.20m location of granodiorite zone with sulfide BB & Qz-MO with thin streaks (cont =35 tca).
@380.44m: solid 22mm Qz-PY-MO VN, 40 tca.
Below 380.50m abundent contorted & dispersed AB-Qz-Chl-MG-sulfide veinlets in diff. orient.
@383.00m: 40mm Qz-PY-MO-PO VN 85 tca.
From 383.44 to 384.70m stockwork of 8-18mm Qz-PY-MO VNs, 20-70 tca.
From 386.50 to 387.60m stockwork of 12-24mm Qz-PY-PO-MO VNs, 50-80 tca.
From 388.14 to 390.30m stockwork of 10-12mm Qz-PY-MO-PO-EPI VNs, 30-90 tca.
@390.36m: solid 73mm Qz-PY-MO-MG VN, 80 tca.

STRUCTURES

From	To	Struct	CA	Strain
370.00	390.00	MASS		S

1-2% joints; taransitional zone to sandstone

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
370.00	390.00	-	-	W	W	-	M	VW	VW	W	M	M	S	

weak EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
370.00	390.55	5	30	15	1	3	55

stockwork Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
370.00	390.55	4	VLT	PO	2	MO	0.30		

weak MG presence

CH0610

Initials: ________

From	To	Litho
390.55	397.66	DIOR

From grey to dark-grey granodiorite dyke with feldspar phenocrysts with interbedded basalt & andesite. (upper cont not observed, lower cont =50 tca).
From 396..78 to 397.60m observed a rim of fine grained basalt.
From 397.22 to 397.64m andesite with 64mm Qz-CA-Chl-MO VN, 80 tca.

STRUCTURES

From	To	Struct	CA	Strain
390.55	397.66	MASS		S

rock is hard & solid

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
390.55	397.66	-	-	-	M	-	-	-	-	-	M	S	M	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
390.55	397.66	0.1	35	20		0.1	80

casual tiny Qz Vns

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
390.55	397.66	1	DISS	MO	0.01				

From	To	Litho
397.66	419.70	AND

Dark grey-reddish medium grained andesite.
@400.06m: magnetic Qz-PY-MO-BIO-PO VN, 50 tca.
From 401.20 to 402.00m stockwork of 8-20mm CA VNs, 20-35 tca.
@402.20m:solid 20mm Qz-PY-MO VN, 35 tca.
Below 402.50m network of narrow Qz-PY-MO-EPI VNs/strs +/- MG that are <8mm.
@404.00m: solid 50mm Qz-PY-BIO-MO VN, 35 tca.
From 404.66 to 406.40m stockwork of subparallel 12-30mm Qz-PY-MO +/-AB VNs, 40-45 tca.
@406.82m: solid 56mm Qz-PY-MO VN, 45 tca.
@408.12m: distorted 30mm Qz-PY-PO-MO, 65 tca.
@409.38m: branched out magnetic 46mm Qz-AB-PY-Chl-MO VN, 60 tca.
@409.92m: pink 26mm Qz-PY-MO VN, 35 tca.
From 409.20 to 411.70m granodiorite, plageoclase, tiny Qz-MO VNs, DI PY.
@412.24m: significant 17cm (!) Qz-PY-MO VN, 55 tca.
From 412.52 to 412.96m stockwork of parallel 14-20mm Qz-PY-MO VNs 50 tca & solid 10cm Qz-AB-MO VN, 75 tca.
@413.04m: 20mm Qz-PY-MO-PO VN, 45 tca cut off by solid 54mm Qz-AB-MO VN, 80 tca.
From 413.70 to 415.00m presence of two types of veins; dispersed Qz-PY-Chl-MG veinlets in the same direction at 45-55 tca cut of by the next generation stockwork of 10-22mm Qz-PY-MO +EPI VNs , 25-60 tca.
From 415.00 to 415.75 significant solid 75cm(!) Qz-PY-PO-MO-MG VN, 50 tca with subparallel narrow Qz-PY-MO VNs/strs.
@416.82m: solid 44mm Qz-PY-MO-MG-PO VN, 50 tca.
@417.14m: branched out 18mm Qz-PY-EPI-MO VN, 20 tca.
@417.57m: 10cm granodiorite zone, with contacts 20 & 30 tca.
@418.20m: pink 20mm Qz-PY-MO VN, 70 tca.
@418.60m: Qz-AB-PY-PO-MO-MG VN, 20mm 30 tca
@419.40m: granodiorite (9cm), cont =40 tca.

STRUCTURES

From	To	Struct	CA	Strain
397.66	419.70	MASS		S

2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
397.66	419.70	-	-	W	M	-	-	W	W	W	M	M	M	

weak EPI & MG altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
397.66	419.70	4	25	10	1	3	50

abundand Qz-PY-MO VNs/strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
397.66	419.70	3	VLT	PO	1	MO	0.15		

>0.15% MO

From	To	Litho
419.70	438.80	AND

Dark grey & reddish medium grained andesite with transitional zone to sandstone & significant Qz-sulfide-MO VNs present in this interval; strs & blotches of sulfide, moderate biotization & weak epidotization & minatization.The core is hard & competent.
@419.54m: solid 44mm Qz-PY-MO VN, 50 tca (EPI on halo) with another distorted 22mm Qz-PY-MO VN radiating from the main VN.
@419.97m: solid 46mm Qz-PY-MO VN, 60 tca.
From 420.26 to 420.70m Qz-PY-MO VN, 35 tca with CA altn & mica with narrow 14mm Qz-PY-MO VN radiating from the main VN, 15 tca.
@421.84m: pinkish 35mm Qz-PY-MO-MG VN, 50 tca.
@422.64m: solid 42mm Qz-PY-MO VN, 50 tca with branched out narrow veins that are <10mm.
From 423.17 to 424.06m significant zone with stockwork of subparallel thick 42-76mm Qz-PY-MO-EPI-PO VNs, 35-45 tca.
@424.24m: granodiorite 13cm, 50 tca.
@425.20m: Qz-PY-MO-MG VN, 24mm 45 tca.
From 426.03 to 426.44m there are two subparallel thick Qz-PY-MO-MG-PO VNs (50 & 55mm at 30 & 40 tca).
From 427.15 to 427.42m location of granodiorite.
Below 427.50m flow bended zone with Chl altn, abundant sufide strs & BB, two different generations contorted veinlets & QZ blotches.
@460.60m: thick 70mm Qz-PY-MO-PO-MG, 45 tca.
@431.28m: boudinaged 24mm Qz-PY-MO-MG-BIO-EPI VN,, 30 tca.
@432.10m: solid 11cm in thickness Qz-PY-MO-MG-BIO VN, 50 tca.
From 433.56 to 434.18m stockwork of subparallel 12-30mm Qz-PY-MO-PO +/- MG & EPI, 45-50 tca.
@ 435.70m: pink 16mm Qz-PY-MO VN, 35 tca.
@436.10m: presence of two parallel selvaged 14mm Qz-PY-MO VNs, 30 tca.
@436.50m: Qz-PY-MO VN, 26 mm, 35 tca.
@438.64m: selvaged 24mm Qz-PY-MO VN, 55 tca with 12mm Qz-PY-MO VN radiating from the main VN.

STRUCTURES

From	To	Struct	CA	Strain
419.70	438.80	MAS S		S

2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
419.70	438.80	-	-	W	M	-	-	VW	W	W	M	M	M	VW

CA altn & mica

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
419.70	438.80	8	30	15	1	3	40

thick Qz-MO-sulfide VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
419.70	438.80	4	DISS	PO	2	MO	0.40		

very good mineralization in this interval

 Initials: ________

From	To	Litho
438.80	447.27	AND

Dark grey & reddish medium grained andesite with significant Qz-sulfide-MO VNs is present in this interval; strs & blotches of sulfide, moderate biotization & weak epidotization & minerlization.
From 339.84 to 440.18m anastomosing 14-20mm Qz-PY-MO veinlets, 25-40 tca.
@440.80m: dipersed 60mm Qz-PY-MO VN, 75 tca with 12mm branch out Qz-PY-MO VN, 15 tca.
Fault zone from 441.05 to 444.16m with >65% of pieces <10cm, CA & Chl on fracture.
@442.00m: trace of 60mm Qz-Py-MO VN, no orient.
@442.85m: thick 13CM Qz-PY-CA-MO VN, 50 tca.
From 444.20 to 444.64m distorted 14mm Qz-PY-AB-MO VN, no orient.
Below 444.70m flow bended zone with strong sulfide altn.
@446.64m: solid 10cm Qz-PY-MO VN, 40 tca with tiny subparaallel Qz-PY-MO VNs.

STRUCTURES

From	To	Struct	CA	Strain
438.80	447.27	FLT		W

Fault zone from 441.05 to 444.16m, broken core with >65% pieces <10cm.

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
438.80	447.27	-	-	W	M	-	-	VW	W	W	M	M	S	

AB-Chl alteration

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
438.80	447.27	5	35	20	3	3	40

3-4 Qz-PY-MO VNs per meter

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
438.80	447.27	4	VLT	PO	1	MO	0.20		

>0.2% MO in this interval

From	To	Litho
447.27	453.27	GDIO

Coarse grained with well formed crystalls granodiorite with gray Qz, white feldspar & hornblend.
Random Qz +/-MO VNs. Upper & lower contacts =40 tca.

STRUCTURES

From	To	Struct	CA	Strain
447.27	453.27	MASS		S

<1% jonts

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
447.27	453.27	-	-	-	M	-	-	VW	W	W	M	M	M	

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
447.27	453.27	2	35	30		1	60

narrow QZ +/-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
447.27	453.27	3	DISS	MO	0.03				

From	To	Litho
447.27	453.27	GDIO

(Continued from previous page)

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
453.27	460.60	AND

Reddish medium grained andesite, flow bended zone with ~5% PY.
@453.86m: dispersed thick 60mm Qz-PY-MO VN, 35 tca.
@454.18m: thick 74mm Qz-PY-MO VN, 75 tca.
@454.70m: contorted 22mm Qz-PY-MO-EPI VN, 55 tca.
@455.50m: Qz-AB-PY-MO VN, 30 tca with 10mm branched out VN.
@456.12m: 26mm Qz-PY-MO VN, 90 tca.
From 456.3 to 457.63m stockwork of subparallel narrow (<14mm) Qz-PY-MO +/- EPI & MG VN, 25-35 tca is observed.
@457.15m: solid 34mm Qz-PY-MO VN, 35 tca with narrow 10mm VN branched out at 90 tca.
From 458.05 to 458.65m stockwork of parallel 14-36mm Qz-PY-MO +/-CA & EPI VNs, 35 tca.

STRUCTURES

From	To	Struct	CA	Strain
453.27	460.60	MASS	35	S

1-2% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
453.27	460.60	-	-	VW	S	-	-	VW	VW	W	M	M	M	

moderate silica altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
453.27	460.60	4	25	15	1	3	35

Qz-PY-MO VNs with network Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
453.27	460.60	3	VLT	PO	1	MO	0.20		

>0.2% MO in this interval

From	To	Litho
460.60	464.82	GDIO

Coarse grained with well formed crystals granodiorite porphyry, white feldspar & hornblend. Random pink Qz (MO?) VNs. Upper & lower contacts =50 tca.
@462.1-462.6 andesite with narrow (<10mm) Qz-PY-MO VNs.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
460.60	464.60	1	40	25		1	60

pink Qz VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
460.60	464.82	GDIO

Coarse grained with well formed crystals granodiorite porphyry, white feldspar & hornblend. Random pink Qz (MO?) VNs. Upper & lower contacts =50 tca.
@462.1-462.6 andesite with narrow (<10mm) Qz-PY-MO VNs.

STRUCTURES

From	To	Struct	CA	Strain
460.60	464.82	MASS		S

rock is hard

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
460.60	464.82	-	-	-	M	-	-	-	VW	W	M	M	W	

BIO altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
460.60	464.82	0.5	DISS	MO	0.01				

traces of MO

From	To	Litho
464.82	475.34	AND

Dark gray reddish medium grained andesite, flow bended zone with ~3-4% PY narrow Qz-PY-MO VNs & abundant strs, granodiorite dykes.
From 464.82 to 465.18m reticulated network of 8-14mm Qz-PY-MO VNs.
@465.74m: branched out 22mm Qz-Chl-PY-MO VN, 30 tca.
From 466.26 to 467.20m location of dark gray granodiorite with tiny Qz-PY-MO VNs & EPI altn. Upper & lower contacts =30 tca.
From 467.77 to 468.54m significant quartz-andesite zone with EPI-Chl-MG-potassic altn & MO traces.
From 468.76 to 469.16m granodiorite zone with 16mm CA VN, 25 tca.
Below 469.16m flow bended zone with narrow Qz-PY-MO VNs/strs, MG & Chl altn.
@470.20m: pink 16mm Qz-PY-MO VN, 30 tca.
From 470.52-470.82m presence of two narrow 12mm parallel Qz-PY-MO VNs, 30 tca.
From 471.05 to 476.56m stockwork of 10-22mm Qz-PY-MO VNs, 35-70 tca with moderate AB & CA altn, small/minor granodiorite zones

STRUCTURES

From	To	Struct	CA	Strain
464.82	475.34	MASS		S

2-3% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
464.82	475.34	-	-	W	M	-	M	W	VW	W	W	W	M	

MG, EPI & CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
464.82	475.34	4	40	20	1	2	30

narrow pink Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
464.82	475.34	3	DISS	MO	0.1				

~1% MG present

 Initials: ________

From	To	Litho
464.82	475.34	AND

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
475.34	480.84	GDIO

Coarse grained with well formed crystals granodiorite dyke with white feldspar & hornblend, narrow Qz-MO VN, PY BB, upper cont 40 tca & lower cont 50 tca.
From 479.50 to 478.60m location of andesite with two subparallel 20 & 18mm Qz-EPI-PY-MO VNs, 35 tca.
@480.14m: rim of deformed 18mm Qz-PY-MO VN, 40 tca.

STRUCTURES				
From	To	Struct	CA	Strain
475.34	480.84	MASS		S

2% joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
475.34	480.84	-	-	VW	M	-	VW	VW	VW	W	M	M	W	

weak MG & EPI altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
475.34	480.84	2	40	20	1	1	35

randomly Qz-MO VNs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
475.34	480.84	1	DISS	MO	0.03				

weak MO & MG

From	To	Litho
480.84	496.50	AND

Dark reddish medium grained andesite, flow bended zone with PY BB & strs (~3-4% PY), contorted Qz VNs & Qz zones with potassic & EPI altn, partially fragile rock with CA on fracture, narrow granodiorite zones, tiny MO strs & spects across the core, small MG blotches.
@482.54m: solid 70mm Qz-PY-MO VN, 90 tca with Chl on halo.
@483.10m: solid 10mm Qz-PY-MO VN, 90 tca.
From 483.86 to 484.20m stockwork of 14-22mm parallel Qz-PY-MO VN, 30 tca.
From 484.00 to 484.90m the core is splitted by 12mm CA VN, 15 tca.
@486.36m: significant 50mm Qz-PY-MO, 40 tca with tiny MO strs around.
From 486.76 to 491.10m there is a present of gray granodiorite with Qz-MO & CA VNs PY blotches.
@487.32m: 33mm Qz-CA-MG-MO-EPI VN, 25 tca with with parallel 10mm Qz-PY-MO VNs.
From 489.00 to 489.66m andesite (partially broken core) mottled by Qz strs.
@ 489.49m: pieces of thick (~8cm) Qz VN, no orient.
@489.75m: 30mm Qz-PY-MO, 30 tca with parallel 5cm breccia zone.
Below 490.00m stockwork of subparallel narrow Qz-Py-MO VNs, 25-35 tca.
@493.17m: solid 40mm Qz-PY-MO VN, 90 tca with branched out 30mm Qz-PY-MO VN, 20 tca.

STRUCTURES

From	To	Struct	CA	Strain
480.84	496.50	MASS		M

5-6% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
480.84	496.50	-	-	M	M	-	M	VW	VW	W	M	M	M	

MG altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
480.84	496.50	2	35	20	2	1	30

pink Qz-PY-MO VN +/-MG & EPI

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
480.84	496.50	2	DISS	MO	0.03				

weak MG

From	To	Litho
496.50	503.60	GDIO

Fragile coarse grained with granodiorite dyke with white feldspar & hornblend (fault zone with 50% broken core & strong CA altn), narrow Qz-MO VN, vague upper & lower conts.
From 498.96 to 500.06m monzonite with MO strs, CA & potassic alteration.
From 501.25 to 501.90m monzonite with potassic alteration & selvaged 20mm Qz-PY-MO, 10 tca.
From 501.94 to 503.06m stockwork of 10-16mm Qz-PY-MO VNs.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

Initials: ________

From	To	Litho
496.50	503.60	GDIO

Fragile coarse grained with granodiorite dyke with white feldspar & hornblend (fault zone with 50% broken core & strong CA altn), narrow Qz-MO VN, vague upper & lower conts.
From 498.96 to 500.06m monzonite with MO strs, CA & potassic alteration.
From 501.25 to 501.90m monzonite with potassic alteration & selvaged 20mm Qz-PY-MO, 10 tca.
From 501.94 to 503.06m stockwork of 10-16mm Qz-PY-MO VNs.

STRUCTURES

From	To	Struct	CA	Strain
496.50	503.60	FLT		W

fragile rock, 50% broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
496.50	503.60	-	-	-	W	-	M	W	VW	W	M	M	W	

strong CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
496.50	503.00	2	35	10	3	2	60

Qz-PY-MO VNs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
496.50	503.60	1	DISS	MO	0.01				

MO & weak MG present

From	To	Litho
503.60	511.20	AND

Dark reddish medium grained andesite transitional to mononite; flow bended zone with contorted Qz VNs & Qz zones with potassic & EPI altn, PY BB & strs (~3-4% PY), partially fragile rock with CA on fracture.
From 503.85 to 504.60m contorted 40mm Qz-PY-CA-MO VN along the core.
From 504.90 to 505.05m presence of a broen core, trace of thick Qz-CA VN, no orient.
Below 508.10m fragile core with strong CA altn & ~50% of the core is broken.
@509.10m: selvaged 20mm Qz-PY-MO VN, 20 tca.
@509.0m: broken core with fragments 20mm Qz-CA-MO VN, no orient. Contact to siltstone at 511.2m =40 tca.

STRUCTURES

From	To	Struct	CA	Strain
503.60	511.20	FLT		W

fragile rock with ~50 broken core

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
503.60	511.20	-	-	W	W	-	-	W	S	W	M	M	W	

strong CA altn & weak potassic altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
503.60	511.20	7	45	20	5	3	30

Qz-CA VNs +/-MO

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
503.60	511.20	1	DISS	MO	0.1				

MO ~0.2-.03%

From	To	Litho
503.60	511.20	AND

Dark reddish medium grained andesite transitional to mononite; flow bended zone with contorted Qz VNs & Qz zones with potassic & EPI altn, PY BB & strs (~3-4% PY), partially fragile rock with CA on fracture.
From 503.85 to 504.60m contorted 40mm Qz-PY-CA-MO VN along the core.
From 504.90 to 505.05m presence of a broen core, trace of thick Qz-CA VN, no orient.
Below 508.10m fragile core with strong CA altn & ~50% of the core is broken.
@509.10m: selvaged 20mm Qz-PY-MO VN, 20 tca.
@509.0m: broken core with fragments 20mm Qz-CA-MO VN, no orient. Contact to siltstone at 511.2m =40 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
511.20	524.20	HSLT

Dark reddish fine grained siltstone with partially (~20%) broken core , narrow CA VNs & pinkish Qz VNs/strs, tiny PY strs mottled the core (~4% PY), weak EPI altn.
@511.20m: pink 22mm Qz-pY-MO VN, 40 tca.
@513.00m: dispersed 50mm Qz-Py-MO VN, 50 tca cut off by 13mm CA VN, 20 tca.
From 514.00 to 514.15m shear zone with strong 20 mm CA. A514.8 Qz-CA VN, 25 tca.
From 516.80 to 517.22m reticulated network with abundant narrow Qz-Py-MO VNs/strs.
From 517.22 to 517.35m small pieces of broken core observed.
@518.55m: solid 80mm Qz-PY-MO VN, 25 tca.
@520.40m: solid 50mm Qz-PY-MG-MO VN, 55 tca.
From 522.42 to 522.70m carbonate zone with MO strs.
@522.72m: deformed 22m Qz-PY-AB-Chl VN, 60 tca.
From 522.80 to 523.46m presence of dark gray andesite, feldspar phenocrysts; contacts =45 tca.
@523.88m: caked/hybrid 44mm Qz-PY-EPI-MO-MG VN, 45 tca.

STRUCTURES

From	To	Struct	CA	Strain
511.20	524.20	BDG		W

8 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
511.20	524.20	-	-	VW	W	-	M	-	M	-	M		M	

mod CA altn & weak EPI altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
511.20	524.20	4	10	5	3	3	50

abundant strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
511.20	524.20	2	VLT	MO	0.15				

>0.1% MO

From	To	Litho
511.20	524.20	HSLT

Dark reddish fine grained siltstone with partially (~20%) broken core , narrow CA VNs & pinkish Qz VNs/strs, tiny PY strs mottled the core (~4% PY), weak EPI altn.
@511.20m: pink 22mm Qz-pY-MO VN, 40 tca.
@513.00m: dispersed 50mm Qz-Py-MO VN, 50 tca cut off by 13mm CA VN, 20 tca.
From 514.00 to 514.15m shear zone with strong 20 mm CA. A514.8 Qz-CA VN, 25 tca.
From 516.80 to 517.22m reticulated network with abundant narrow Qz-Py-MO VNs/strs.
From 517.22 to 517.35m small pieces of broken core observed.
@518.55m: solid 80mm Qz-PY-MO VN, 25 tca.
@520.40m: solid 50mm Qz-PY-MG-MO VN, 55 tca.
From 522.42 to 522.70m carbonate zone with MO strs.
@522.72m: deformed 22m Qz-PY-AB-Chl VN, 60 tca.
From 522.80 to 523.46m presence of dark gray andesite, feldspar phenocrysts; contacts =45 tca.
@523.88m: caked/hybrid 44mm Qz-PY-EPI-MO-MG VN, 45 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
524.20	535.86	HSLT

Dark gray-reddish fine grained siltstone with partially (~3%) broken core , CA strs & contorted Qz strs in bedding direction, PY strs, Qz VNs, silica altn, minor basalt dyke.
@524.30m: 22mm Qz-PY-MO VN, 40 tca with EPI on boundary.
@526.56m: solid 12cm white-pink Qz-MO-PY-MG VN, 90 tca is present.
@528.32m: solid selvaged 60mm Qz-PY-MO VN, 60 tca observed.
@529.00m: solid 24mm Qz-PY-MO VN, 65 tca with EPI on boundary.
@530.50m: pink 25mm Qz-PY-MO-AB VN, 40 tca with subparallel Qz-PY-MO strs in bedding direction.
@531.31m: solid 44mm Qz-PY-MO VN, 50 tca with subparallel 20mm Qz-PY-MO VN.
@531.92m: thick 90mm Qz-PY-MO-BIO VN, 20 tca.
From 533.50 to 534.08m basalt dyke.
From 534.50 to 535.22m broken core observed with strong CA altn.
@535.55m: dispersed 55mm Qz-PY-MO-EPI VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain
524.20	535.86	BDG	40	M

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
524.20	535.86	-	-	-	W	-	M	-	M	W	M		M	

CA altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
524.20	535.86	3	6		1	1	80

thick Qz VNs, one VN/m

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
524.20	535.86	2	VLT	MO	0.1				

MO present in abund Qz-PY-MO strs

From	To	Litho
524.20	535.86	HSLT

Dark gray-reddish fine grained siltstone with partially (~3%) broken core , CA strs & contorted Qz strs in bedding direction, PY strs, Qz VNs, silica altn, minor basalt dyke.
@524.30m: 22mm Qz-PY-MO VN, 40 tca with EPI on boundary.
@526.56m: solid 12cm white-pink Qz-MO-PY-MG VN, 90 tca is present.
@528.32m: solid selvaged 60mm Qz-PY-MO VN, 60 tca observed.
@529.00m: solid 24mm Qz-PY-MO VN, 65 tca with EPI on boundary.
@530.50m: pink 25mm Qz-PY-MO-AB VN, 40 tca with subparallel Qz-PY-MO strs in bedding direction.
@531.31m: solid 44mm Qz-PY-MO VN, 50 tca with subparallel 20mm Qz-PY-MO VN.
@531.92m: thick 90mm Qz-PY-MO-BIO VN, 20 tca.
From 533.50 to 534.08m basalt dyke.
From 534.50 to 535.22m broken core observed with strong CA altn.
@535.55m: dispersed 55mm Qz-PY-MO-EPI VN, 40 tca.

STRUCTURES

From	To	Struct	CA	Strain

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
535.86	543.10	BDY

From 535.86 to 543.10m dark fine grained basalt dyke with alkali feldspar, partially CA-carbonate strs; upper cont =30 tca, lower cont =50 tca.
From 538.50 to 540.65m broken core with CA on fracture.

STRUCTURES

From	To	Struct	CA	Strain
535.86	543.10	MASS		S

partially broken core with CA on fracture

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
535.86	535.86	-	-	-	W	-	-	-	M	W				

partially CA & carbonate strs

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
535.86	543.10	0.2			1		

CA-carbonate atrs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
535.86	543.10	0.1	DISS						

non mineralized zone

From	To	Litho
535.86	543.10	BDY

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
543.10	559.20	HSLT

Dark gray reddish fine grained siltstone with partially (~5-10%) fragile & broken core, CA VNs/str; thick contorted Qz VNs & strs, tiny PY strs mottled the core (~4% PY), weak EPI altn.
@543.65m: selvaged 34mm Qz-PY-MO VN, 65 tca.
@543.85m: contorted 36mm Qz-PY-MO-carbonate VN, 40 tca.
From 544.06 to 544.40m breccated zone with CA altn (soft rock).
@545..82m: contorted Qz-PY-Chl-MO VN, 80 tca with branching out narrow strs.
From 546.12 to 546.48m thick 14cm Qz-PY-MO-MG VN, 25 tca.
@547.80m: contorted 14mm Qz VN, 65 tca with distorted <8mm Qz-PY-MO VNs around.
@549.60m: there are two 20-22mm Qz-PY-MO VNs at 60-65 tca.
@551.12m: significant 10mm Qz-PY-MO VN, 50 tca with abund Qz-PY-MO strs around.
@552.68m: contorted 40mm Qz-PY-MO VN, 90 tca with Qz-PY-MO strs radiating from the main VN.
@553.43m: 70mm Qz-AB VN, 50 tca cut off by 10mm CA VN, 5 tca.
@553.87m: solid 30mm Qz-PY-MO VN, 90 tca.
@554.38m: significant 40mm Qz-PY-MO-EPI-MG VN, 50 tca with >0.5-1% MO.
From 555.20 to 555.64m presence of two subparallel 30-35mm Qz-PY-MO VNs, 40-50 tca.
@557.58m: solid 60mm Qz-PY-MO VN, 40 tca.
From 557.70 to 558.20m location of two subparallel 20mm Qz-PY-MO VN, 60 tca.

STRUCTURES				
From	To	Struct	CA	Strain
543.10	559.20	BDG		M

bedding structure with 5% joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
543.10	559.20	-	-	-	W	-	M	-	M	VW	M		M	

CA altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
543.10	559.20	5	7		1	2	50

significant Qz-PY-MO VN

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
543.10	559.20	3	VLT	MO	0.4				

sinnificant Qz-PY-MO VNs presence

From	To	Litho
559.20	**565.33**	**BDY**

Dark fine grained basalt dyke with alkalic feldspar, upper cont =40 tca lower cont =80 tca.

STRUCTURES

From	To	Struct	CA	Strain
559.20	565.33	MASS		VS
	1% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
559.20	565.33	-	-	-	M	-	-	-	VW	-	M	M		

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
559.20	565.33	0.1	20	20			
	no VNs or strs						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
559.20	565.33	0.1	DISS						
	non mineralized zone								

From	To	Litho
565.33	**570.44**	**HSLT**

Dark gray reddish fine grained siltstone with Qz VNs & strs, tiny PY strs mottled the core (~3% PY), weak EPI altn.
@566.68m: selvaged 14mm Qz-PY-MO VN, 70 tca.
From 567 .37 to 567.66m lense of Qz-PY-MO VN with >0.5% MO content.
@569.47m: dispersed 20mm Qz-PY-MO VN, 30 tca with ~1%MO.

STRUCTURES

From	To	Struct	CA	Strain
565.33	570.44	BDG	45	S
	2% joints			

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
565.33	570.44	-	VW	VW	M	-	-	M	VW	-	M		M	
	weak carbonate													

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
565.33	570.44	4	10		1	2	50
	Qz-Py-MO VNs & strs						

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
565.33	570.44	3	VLT	MO	0.2				
	uo to 0.5% mo in Qz-pY-VNs								

CH0610

Initials: ________

From	To	Litho
570.44	574.40	GDIO

Fragile coarse grained granodiorite dyke with white feldspar & hornblend, fault zone with 30% broken core & strong CA altn, narrow Qz-MO VNs, vague upper & lower contacts.

STRUCTURES				
From	To	Struct	CA	Strain
570.44	574.40	MAS S		M
granodiorite dyke				

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
570.44	574.40	-	-	-	M	-	-	-	VW	-	M	M		
CA altn														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
570.44	574.40	1	40	20	1	0.5	70
tiny pink Qz VNs							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
570.44	574.40	1	DISS	MO	0.01				

From	To	Litho
574.40	584.30	HSLT

Dark gray reddish fine grained siltstone with thick contorted Qz VNs & strs, tiny PY strs mottled the core (~3% PY), weak EPI altn.
From 575.70 to 575.88m location of two boudinaged 16mm Qz-PY-MO VNs, 35 tca.
From 520.24 to 520.80m presence of distorted 18mm Qz-PY-MO-MG-EPI VN, 0 tca with strs radiating from the main VN.
@519.00m: distorted 66mm Qz-PY-MO-MG, 40 tca.
@580.40m: boudinaged 22mm Qz-CA-AB VN, 40 tca with branched out 10mm Qz-CA-AB VN, 50 tca.
@583.94m: pink 20mm Qz-PY-MO VN, 60 tca.
Below 584.30m reticulated network of narrow Qz-PY-MO VNs & strs.
From 585.80 to 586.14m two distorted Qz-PY-MO-EPI VN, 30 & 40 tca.
@590.40m: observed two distorted selvaged Qz-PY-MO VNs, 40 & 70 tca with tiny Qz-PY-MO strs around.

STRUCTURES				
From	To	Struct	CA	Strain
574.40	584.30	BDG	40	S
1% joints				

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
574.40	584.30	-	-	-	S	-	M	-	VW	VW	M		M	
silica altn														

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
574.40	584.30	3	10			1	60
narrow Qz-PY-MO VNs							

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
574.40	584.30	2	VLT	MO	0.1				
random narrow Qz-PY-MO VNs									

From	To	Litho
574.40	584.30	HSLT

(Continued from previous page)

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
584.30	610.36	HSLT

Dark gray reddish fine grained siltstone with Qz VNs & abundant strs, tiny PY strs mottled the core (~3% PY), weak EPI altn.
@593.57m: distorted 20 mm Qz-PY-MO VN, 50 tca with tiny MO strs on halo.
From 593.20 to 593.50m three dispersed 26-34mm Qz-PY-MO VNs, 60 tca are present.
From 598.50 to 598.70m there is a presence of 18mm Qz-PY-MO VN, 10 tca with strs branched out from the main VN.
@603.20m: boudinaged 22mm Qz-PY-MO VN, 45 tca.
@609.80m: distorted 20mm Qz-PY-MO VN, 40 tca is present.

STRUCTURES				
From	To	Struct	CA	Strain
584.30	610.36	BDG	50	M

~1% joints

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
584.30	610.36	-	-	-	S	-	M	-	VW	VW	M		M	

weak MG altn

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
584.30	610.36	3	5		1	1	

abundant tiny Qz-PY-MO strs

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
584.30	610.36	3	VLT	MO	0.15				

MO mostly presence in Qz-PY strs

 Initials: ________

From	To	Litho
610.36	632.30	HSLT

Dark gray-reddish fine grained hornfelsed siltstone with contorted Qz VNs & strs, tiny PY strs mottled the core (~4% PY), EPI altn.
@612.24m: thick (48mm) Qz-PY-MO-MG VN, 50 tca.
From 612.66 to 612.92m location of thick (40mm) contorted Qz-PY-Chl-MO-MG VN, no orient.
From 619.64 to 620.30m stockwork of 20-36mm Qz-PY-MO-MG VNs, 40-80 tca with 10cm carbonate zone & >1% MO.
From 620.86 to 621.07m minor granodiorite zone with 50 tca contacts.
Below 621.4m stockwork of contorted 10-36mm Qz-PY-MO VNs in diff.orient.

STRUCTURES

From	To	Struct	CA	Strain
610.36	632.20	BDG	55	M

bedding stracture with 3-4% joints

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
610.36	623.30	-	-	-	M	-	M	-	VW	VW	M		M	

minor carbonate zone

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
610.36	632.20	3	6			2	50

contorted Qz-PY-MO VNs & abund strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
610.36	632.30	3	VLT	MO	0.15				

>0.15% MO in thisinterval

From	To	Litho
632.30	633.74	GDIO

Partially fragile coarse grained granodiorite dyke with white feldspar & hornblend, zone with 50% broken core & strong CA altn, narrow Qz-MO VNs, upper & lower conts =40 tca. From 624.24 to 625.30m fault zone with CA on fracture.
From 625.30 to 629.22m presence of inrebedded siltstone with Qz-PY-MO strs is observed.
From 630.80 to 632.40m the presence of broken core with 60% pieces that are <10cm.

STRUCTURES

From	To	Struct	CA	Strain
632.30	633.74	MAS S		M

From 625.3 to 629.22 inrebedded siltstone with Qz-PY-MO strs.

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
632.30	633.74	-	-	-	-	-	W	-	M	-	M	M	W	

BIO & Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
632.30	633.74	1	30	20	2	1	

Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
632.30	633.74	1	DISS	MO	0.03				

625.3 to 629.22m inrebedded siltstone with Qz-PY-MO str

From	To	Litho
633.74	669.65	HSLT

Dark gray & reddish fine grained siltstone with Qz VNs & abundant strs with >0.1% MO, tiny PY strs mottled the core (~3% PY), weak EPI altn.
From 637.53 to 639.00m granodiorite dyke with vague upper & lower contacts.
@ 642.86m: presence of 20mm Qz-AB-PY VN, 35 tca.
@643.05m: Distorted 20mm Qz-PY-MO VN, 35 tca with abundant contorted Qz-PY-MO strs.
@645.26m: pink 18mm Qz-PY-MO VN, 50 tca.
@646.74m: dispersed 55mm Qz-PY-MO VN, 65 tca.
@647.70m: solid 44mm Qz-PY-MO-MG VN, 50 tca is present.
@650.00m: solid 46mm Qz-PY-Chl Vn, 85 tca is observed.
@651.30m: dispersed 70mm Qz-PY-MO-Chl VN, 75 tca.
@652.10m: solid 15cm (!) Qz-Py-MO VN, 80 tca.
From 652.90 to 653.10m location of small pieces of broken core.
@656.20m: solid 30m Qz-PY-Chl Vn, 40 tca.
Below 657.86m contorted & boudinaged 10-20mm Qz-PY-MO VNs & strs, 40-50 tca.
@660.10m boudinaged 42mm Qz-PY-Chl-MO VN, 70 tca.
@ 669.95m: E.O.H.

STRUCTURES

From	To	Struct	CA	Strain
633.74	669.65	BDG	50	M

~3 joints per meter

ALTERATION

From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER
633.74	669.65	-	-	-	M	-	M	-	W	-	M		M	

BIO & weak Chl altn

VEINS

From	To	Vn%	QZ%	Feld%	CC%	V/m	CA
633.74	669.65	2	6		1	1	55

one VN/m with abundant Qz-PY-MO strs

MINERALIZATION

From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%
633.74	669.65	2	VLT	MO	0.1				

0.1-0.2% MO present in Qz-PY-MO strs

Initials: ________

From	To	Litho
633.74	669.65	HSLT

Dark gray & reddish fine grained siltstone with Qz VNs & abundant strs with >0.1% MO, tiny PY strs mottled the core (~3% PY), weak EPI altn.
From 637.53 to 639.00m granodiorite dyke with vague upper & lower contacts.
@ 642.86m: presence of 20mm Qz-AB-PY VN, 35 tca.
@643.05m: Distorted 20mm Qz-PY-MO VN, 35 tca with abundant contorted Qz-PY-MO strs.
@645.26m: pink 18mm Qz-PY-MO VN, 50 tca.
@646.74m: dispersed 55mm Qz-PY-MO VN, 65 tca.
@647.70m: solid 44mm Qz-PY-MO-MG VN, 50 tca is present.
@650.00m: solid 46mm Qz-PY-Chl Vn, 85 tca is observed.
@651.30m: dispersed 70mm Qz-PY-MO-Chl VN, 75 tca.
@652.10m: solid 15cm (!) Qz-Py-MO VN, 80 tca.
From 652.90 to 653.10m location of small pieces of broken core.
@656.20m: solid 30m Qz-PY-Chl Vn, 40 tca.
Below 657.86m contorted & boudinaged 10-20mm Qz-PY-MO VNs & strs, 40-50 tca.
@660.10m boudinaged 42mm Qz-PY-Chl-MO VN, 70 tca.
@ 669.95m: E.O.H.

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

From	To	Litho
650.00	669.65	HSLT

STRUCTURES				
From	To	Struct	CA	Strain

ALTERATION														
From	To	INT	ARG	CHL	SIL	PHY	PRY	POT	CC	EP	BIO	FLP	PYR	SER

VEINS							
From	To	Vn%	QZ%	Feld%	CC%	V/m	CA

MINERALIZATION									
From	To	PY%	Style	Min	Min%	Min2	M2%	Min3	M3%

CHU Project - TTM Resources Inc.
SAMPLE REPORT

HOLE ID: CH0613

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46435	5.49	7.92	GDIO	CORE	0.06	0.013
46436	7.92	10.97	GDIO	CORE	0.03	0.030
46437	10.97	14.02	GDIO	CORE	0.02	**0.084**
46438	14.02	17.07	GDIO/MZON	CORE	0.06	**0.075**
46439	17.07	20.12	MZON	CORE	0.10	0.021
46440				DUPLICATE	0.08	0.027
46441	20.12	23.16	MZON/AND	CORE	0.08	**0.054**
46442	23.16	26.21	AND	CORE	0.09	**0.090**
46443	26.21	29.26	AND	CORE	0.09	0.028
46444	29.26	32.31	AND	CORE	0.05	0.033
46445				BLANK	0.00	0.000
46446	32.31	35.36	AND	CORE	0.06	**0.086**
46447	35.36	38.40	AND	CORE	0.10	**0.151**
46448	38.40	41.45	AND	CORE	0.08	0.019
46449	41.45	44.50	AND	CORE	0.12	0.040
46450				**MoS-1**	0.01	**0.063**
46451	44.50	47.55	AND	CORE	0.12	**0.094**
46452	47.55	50.60	AND	CORE	0.13	**0.063**
46453	50.60	53.64	AND	CORE	0.12	**0.095**
46454	53.64	56.69	AND	CORE	0.12	**0.080**
46455	56.69	59.74	AND	CORE	0.09	0.043
46456	59.74	62.79	AND	CORE	0.13	0.031
46457	62.79	65.84	AND	CORE	0.12	0.014
46458	65.84	68.88	AND	CORE	0.09	0.012
46459	68.88	71.93	AND	CORE	0.12	0.035
46460				DUPLICATE	0.10	**0.053**
46461	71.93	74.98	AND	CORE	0.08	0.018
46462	74.98	78.03	AND	CORE	0.10	0.018
46463	78.03	81.08	AND	CORE	0.13	0.030
46464	81.08	84.12	AND	CORE	0.12	0.023
46465				BLANK	0.00	0.000
46466	84.12	87.17	AND	CORE	0.12	**0.056**
46467	87.17	90.22	AND	CORE	0.17	0.023
46468	90.22	93.27	AND	CORE	0.14	**0.059**
46469	93.27	96.32	AND	CORE	0.11	0.030
46470				**MoS-1**	0.01	**0.063**
46471	96.32	99.36	AND	CORE	0.07	0.010
46472	99.36	102.41	AND	CORE	0.10	0.040
46473	102.41	105.46	AND	CORE	0.13	0.042
46474	105.46	108.51	AND	CORE	0.10	0.019
46475	108.51	111.56	AND	CORE	0.11	0.022
46476	111.56	114.60	AND	CORE	0.09	0.022
46477	114.60	117.65	AND	CORE	0.12	0.050
46478	117.65	119.40	AND	CORE	0.07	**0.247**
	119.40	134.30	BDY	CORE	0.01	0.002
	119.40	134.30	BDY	CORE	0.01	0.000
46480				DUPLICATE	0.07	0.025
46481	134.30	138.99	AND	CORE	0.06	0.024
46482	138.99	142.04	AND	CORE	0.06	**0.054**
46483	142.04	145.08	AND	CORE	0.08	**0.066**

SAMPLE REPORT

HOLE ID: CH0613

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46484	145.08	148.13	AND	CORE	0.08	0.010
46485				BLANK	0.00	0.000
46486	148.13	151.18	AND	CORE	0.08	0.022
46487	151.18	154.23	AND	CORE	0.04	0.024
46488	154.23	157.28	AND	CORE	0.03	0.016
46489	157.28	162.15	AND	CORE	0.03	**0.088**
46490				**MoS-1**	0.01	**0.063**
46491	162.15	172.88	BDY	CORE	0.01	0.000
46492	172.88	175.56	AND	CORE	0.01	0.000
46493	175.56	178.61	AND	CORE	0.06	0.008
46494	178.61	181.66	AND	CORE	0.06	0.025
46495	181.66	184.71	AND/GDIO	CORE	0.09	**0.083**
46496	184.71	187.76	GDIO	CORE	0.05	**0.064**
46497	187.76	190.80	GDIO	CORE	0.02	0.005
46498	190.80	193.85	GDIO	CORE	0.03	0.033
46499	193.85	196.90	GDIO	CORE	0.03	0.027
46500				DUPLICATE	0.04	0.039
46501	196.90	199.95	GDIO	CORE	0.04	**0.068**
46502	199.95	203.00	GDIO/AND	CORE	0.06	**0.087**
46503	203.00	206.04	AND	CORE	0.12	**0.057**
46504	206.04	209.09	AND	CORE	0.07	**0.052**
46505				BLANK	0.00	0.000
46506	209.09	212.14	AND	CORE	0.10	**0.058**
46507	212.14	215.19	AND	CORE	0.06	**0.074**
46508	215.19	218.24	AND	CORE	0.08	0.045
46509	218.24	221.28	AND	CORE	0.09	**0.124**
46510				**MoS-1**	0.01	**0.064**
46511	221.28	224.33	AND	CORE	0.13	**0.086**
46512	224.33	227.38	AND	CORE	0.09	0.035
46513	227.38	230.43	AND	CORE	0.12	0.047
46514	230.43	233.48	AND	CORE	0.10	**0.077**
46515	233.48	236.52	AND	CORE	0.12	0.046
46516	236.52	239.57	AND	CORE	0.16	0.021
46517	239.57	242.62	AND	CORE	0.12	0.048
46518	242.62	245.67	AND	CORE	0.16	**0.166**
46519	245.67	248.72	AND	CORE	0.11	**0.125**
46520				DUPLICATE	0.13	**0.108**
46521	248.72	251.76	AND	CORE	0.09	**0.075**
46522	251.76	254.81	AND/HSLT	CORE	0.08	**0.213**
46523	254.81	257.86	HSLT	CORE	0.08	**0.084**
46524	257.86	260.91	HSLT	CORE	0.08	**0.295**
46525				BLANK	0.00	0.000
46526	260.91	263.96	HSLT	CORE	0.07	**0.083**
46527	263.96	267.00	HSLT	CORE	0.04	0.048
46528	267.00	270.05	HSLT	CORE	0.05	**0.096**
46529	270.05	273.10	HSLT	CORE	0.04	**0.071**
46530				**MoS-1**	0.01	**0.064**
46531	273.10	276.15	HSLT	CORE	0.05	**0.124**
46532	276.15	279.20	HSLT	CORE	0.04	**0.062**
46533	279.20	282.24	HSLT	CORE	0.05	**0.066**
46534	282.24	285.29	HSLT	CORE	0.04	**0.056**
46535	285.29	288.34	HSLT	CORE	0.04	**0.081**

SAMPLE REPORT

HOLE ID: CH0613

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46536	288.34	291.39	HSLT	CORE	0.05	**0.121**
46537	291.39	294.44	HSLT	CORE	0.06	**0.201**
46538	294.44	297.48	HSLT	CORE	0.07	**0.156**
46539	297.48	300.53	HSLT	CORE	0.05	0.035
46540				DUPLICATE	0.05	0.030
46541	300.53	303.58	HSLT	CORE	0.04	**0.063**
46542	303.58	306.63	HSLT	CORE	0.04	**0.069**
46543	306.63	309.68	HSLT	CORE	0.05	0.041
46544	309.68	312.72	HSLT	CORE	0.03	**0.096**
46545				BLANK	0.00	0.000
46546	312.72	315.77	HSLT	CORE	0.05	**0.135**
46547	315.77	318.82	HSLT	CORE	0.05	**0.057**
46548	318.82	321.87	HSLT	CORE	0.02	0.023
46549	321.87	324.92	HSLT	CORE	0.00	0.000
46550				**MoS-1**	0.01	**0.064**
46551	324.92	327.96	HSLT/AND	CORE	0.06	**0.061**
46552	327.96	331.01	AND	CORE	0.04	0.039
46553	331.01	334.06	AND	CORE	0.05	**0.061**
46554	334.06	337.11	AND	CORE	0.07	**0.055**
46555	337.11	340.16	AND	CORE	0.07	0.034
46556	340.16	343.20	AND	CORE	0.07	**0.081**
46557	343.20	346.25	AND	CORE	0.07	**0.186**
46558	346.25	349.30	AND	CORE	0.09	**0.056**
46559	349.30	352.35	AND	CORE	0.06	**0.136**
46560				DUPLICATE	0.06	**0.101**
46561	352.35	355.40	AND	CORE	0.07	**0.092**
46562	355.40	358.44	AND	CORE	0.08	**0.092**
46563	358.44	361.49	AND	CORE	0.06	0.048
46564	361.49	364.54	AND	CORE	0.04	0.044
46565				BLANK	0.00	0.000
46566	364.54	367.59	AND	CORE	0.09	**0.062**
46567	367.59	370.64	AND	CORE	0.05	**0.116**
46568	370.64	373.68	AND/HSLT	CORE	0.06	**0.097**
46569	373.68	376.73	HSLT	CORE	0.04	**0.098**
46570				**MoS-1**	0.01	**0.065**
46571	376.73	379.78	HSLT	CORE	0.04	**0.111**
46572	379.78	382.83	HSLT	CORE	0.05	**0.118**
46573	382.83	385.88	HSLT	CORE	0.03	**0.110**
46574	385.88	388.92	HSLT	CORE	0.04	0.040
46575	388.92	391.97	HSLT	CORE	0.02	**0.055**
46576	391.97	395.02	HSLT	CORE	0.02	**0.102**
46577	395.02	398.07	HSLT	CORE	0.03	**0.075**
46578	398.07	401.12	HSLT	CORE	0.05	**0.060**
46579	401.12	404.16	HSLT	CORE	0.03	**0.124**
46580				DUPLICATE	0.03	**0.103**
46581	404.16	407.21	HSLT	CORE	0.03	**0.224**
46582	407.21	410.26	HSLT	CORE	0.03	**0.284**
46583	410.26	413.31	HSLT	CORE	0.05	**0.092**
46584	413.31	416.36	HSLT	CORE	0.05	**0.254**
46585				BLANK	0.00	0.001
46586	416.36	419.40	HSLT	CORE	0.07	**0.104**
46587	419.40	422.45	HSLT	CORE	0.15	**0.112**

SAMPLE REPORT

HOLE ID: CH0613

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46588	422.45	425.50	HSLT	CORE	0.04	**0.074**
46589	425.50	428.55	HSLT	CORE	0.03	**0.061**
46590				**MoS-1**	0.01	**0.065**
46591	428.55	431.60	HSLT	CORE	0.16	**0.256**
46592	431.60	434.64	HSLT	CORE	0.03	**0.154**
46593	434.64	437.69	HSLT	CORE	0.03	**0.198**
46594	437.69	440.74	HSLT	CORE	0.04	0.032
46595	440.74	443.79	HSLT	CORE	0.06	**0.165**
46596	443.79	446.84	HSLT	CORE	0.04	**0.086**
46597	446.84	449.88	HSLT	CORE	0.02	0.029
46598	449.88	452.93	HSLT	CORE	0.03	**0.107**
46599	452.93	455.98	HSLT	CORE	0.04	**0.140**
46600				DUPLICATE	0.03	**0.141**
46601	455.98	459.03	HSLT	CORE	0.03	**0.083**
46602	459.03	462.08	HSLT	CORE	0.03	**0.071**
46603	462.08	465.12	HSLT	CORE	0.03	**0.144**
46604	465.12	468.17	HSLT	CORE	0.04	**0.073**
46605				BLANK	0.00	0.000
46606	468.17	471.22	HSLT	CORE	0.05	0.027
46607	471.22	474.27	HSLT	CORE	0.06	0.027
46608	474.27	477.32	HSLT	CORE	0.03	**0.090**
46609	477.32	480.36	HSLT	CORE	0.03	**0.082**
46610				**MoS-1**	0.01	**0.064**
46611	480.36	483.41	HSLT	CORE	0.03	**0.091**
46612	483.41	486.46	HSLT	CORE	0.04	0.042
46613	486.46	489.51	HSLT	CORE	0.02	**0.077**
46614	489.51	492.56	HSLT	CORE	0.04	**0.168**
46615	492.56	495.60	HSLT	CORE	0.03	**0.074**
46616	495.60	498.65	HSLT	CORE	0.03	**0.110**
46617	498.65	501.70	HSLT	CORE	0.02	**0.075**
46618	501.70	504.75	HSLT	CORE	0.02	**0.092**
46619	504.75	507.80	HSLT	CORE	0.03	0.049
46620				DUPLICATE	0.03	**0.064**
46621	507.80	510.84	HSLT	CORE	0.03	**0.188**
46622	510.84	513.89	HSLT	CORE	0.03	**0.208**
46623	513.89	516.94	HSLT	CORE	0.02	**0.052**
46624	516.94	519.99	HSLT	CORE	0.02	**0.051**
46625				BLANK	0.00	0.000
46626	519.99	523.04	HSLT/GDIO	CORE	0.01	**0.063**
46627	523.04	526.08	GDIO	CORE	0.01	0.015
46628	526.08	529.13	GDIO	CORE	0.01	0.014
46629	529.13	532.18	GDIO	CORE	0.02	**0.096**
46630				**MoS-1**	0.01	**0.064**
46631	532.18	535.23	GDIO	CORE	0.02	0.036
46632	535.23	538.28	GDIO	CORE	0.02	0.030
46633	538.28	541.32	GDIO	CORE	0.02	0.038
46634	541.32	544.37	GDIO	CORE	0.02	0.037
46635	544.37	547.42	GDIO/HSLT	CORE	0.02	**0.126**
46636	547.42	550.47	HSLT	CORE	0.03	**0.135**
46637	550.47	553.52	HSLT	CORE	0.07	**0.101**
46638	553.52	556.56	HSLT	CORE	0.02	**0.134**
46639	556.56	559.61	HSLT	CORE	0.02	**0.076**

SAMPLE REPORT

HOLE ID: CH0613

SAMPLE ID	From (m)	TO (m)	LITH	TYPE	Cu (%)	Mo(%)
46640				DUPLICATE	0.04	**0.058**
46641	559.61	562.66	HSLT	CORE	0.09	**0.124**
46642	562.66	565.71	HSLT	CORE	0.02	**0.119**
46643	565.71	568.76	HSLT	CORE	0.02	**0.105**
46644	568.76	571.80	HSLT	CORE	0.03	**0.145**
46645				BLANK	0.00	0.000
46646	571.80	574.85	HSLT	CORE	0.03	**0.068**
46647	574.85	577.90	HSLT	CORE	0.02	0.043
46648	577.90	580.95	HSLT	CORE	0.02	**0.119**
46649	580.95	584.00	HSLT	CORE	0.03	0.041
46650				**MoS-1**	0.01	**0.063**
46651	584.00	587.04	HSLT	CORE	0.03	**0.147**
46652	587.04	590.09	HSLT	CORE	0.02	**0.313**
46653	590.09	593.14	HSLT	CORE	0.03	**0.081**
46654	593.14	596.19	HSLT/GDIO	CORE	0.05	**0.115**
46655	596.19	599.24	GDIO	CORE	0.04	**0.055**
46656	599.24	602.28	GDIO	CORE	0.02	**0.077**
46657	602.28	605.33	GDIO	CORE	0.02	**0.078**
46658	605.33	608.38	GDIO	CORE	0.05	**0.058**
46659	608.38	611.43	GDIO	CORE	0.02	**0.108**
46660				DUPLICATE	0.03	**0.131**
46661	611.43	614.48	GDIO	CORE	0.02	**0.077**
46662	614.48	617.52	GDIO	CORE	0.01	**0.167**
46663	617.52	620.57	GDIO	CORE	0.01	**0.051**
46664	620.57	623.62	GDIO	CORE	0.02	0.025
46665	623.62	626.06	GDIO	CORE	0.01	0.037

APPENDIX V

Core Sample Assay Results

29-Dec-06

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2006- 2210

TTM Resources
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

Attention: Ken MacDonald

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 13
Sample Type: Core
Project: CIIV
Shipment #: 1
Submitted by: K. MacDonald

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	44201	<0.2	1.08	5	180	<5	0.52	<1	15	22	39	3.18	<10	0.79	501	<1	0.05	2	740	14	<5	<20	14	0.18	<10	87	<10	10	65
2	44202	<0.2	1.42	5	175	10	1.11	<1	19	26	53	3.93	<10	1.10	616	<1	0.06	6	870	24	<5	<20	22	0.21	<10	110	<10	15	86
3	44203	<0.2	2.25	10	165	<5	2.72	<1	31	117	35	5.38	<10	2.06	554	<1	0.11	71	1810	26	<5	<20	121	0.16	<10	149	<10	5	109
4	44204	0.6	1.38	10	115	5	1.60	27	17	31	84	3.47	<10	1.00	700	<1	0.07	2	700	18	<5	<20	20	0.16	<10	87	<10	10	2016
5	44205	<0.2	0.03	10	15	<5	>10	<1	<1	2	2	0.08	<10	>10	68	<1	<0.01	<1	470	<2	40	<20	106	<0.01	<10	2	<10	2	9
6	44206	<0.2	1.06	5	110	<5	0.81	<1	12	30	23	2.74	<10	0.80	505	<1	0.05	1	770	16	<5	<20	15	0.14	<10	64	<10	11	92
7	44207	<0.2	0.98	10	95	<5	1.04	<1	13	38	44	3.10	<10	0.68	568	<1	0.05	1	700	16	<5	<20	14	0.13	<10	71	<10	13	69
8	44208	0.3	1.16	5	110	<5	1.56	<1	16	39	97	3.32	<10	0.68	641	<1	0.06	2	720	18	<5	<20	19	0.14	<10	84	<10	13	93
9	44209	0.2	1.13	<5	105	<5	1.47	<1	14	31	61	3.46	<10	0.64	674	<1	0.04	3	660	14	<5	<20	27	0.15	<10	80	<10	11	89
10	44210	<0.2	0.65	5	110	<5	1.37	<1	7	18	108	2.63	10	0.43	631	648	0.03	14	890	16	<5	<20	105	0.02	<10	29	<10	18	90
11	44211	<0.2	0.87	<5	85	<5	2.15	<1	16	34	86	3.48	<10	0.57	714	<1	0.05	3	730	12	<5	<20	17	0.15	<10	87	<10	13	75
12	44212	0.3	0.63	<5	85	<5	3.11	<1	14	29	66	3.26	<10	0.42	1113	<1	0.07	1	770	20	<5	<20	24	0.13	<10	83	<10	14	57
13	44213	0.3	0.57	<5	45	<5	3.56	<1	16	36	104	3.50	<10	0.24	1000	<1	0.06	4	720	8	<5	<20	20	0.11	<10	80	<10	10	53

QC DATA:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Repeat:																													
1	44201	<0.2	1.11	10	185	<5	0.53	<1	15	24	38	3.22	<10	0.81	509	<1	0.06	2	770	14	<5	<20	14	0.18	<10	88	<10	11	66
Resplit:																													
1	44201	<0.2	1.08	10	165	<5	0.55	<1	15	22	36	3.17	<10	0.77	495	<1	0.06	2	760	18	<5	<20	12	0.18	<10	85	<10	11	66
Standard:																													
Pb106		>30	0.50	265	100	<5	1.73	32	3	37	6249	1.68	<10	0.25	555	29	<0.01	6	280	5382	50	<20	139	<0.01	<10	15	10	<1	8399

JJ/bp
df/2210
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

4-May-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007- 384

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 125
Sample Type: Core
Project: CHU
Shipment #: 44
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G46483	0.8	1.16	15	50	<5	0.83	2	23	81	815	0.08	4.96	<10	0.95	222	655	0.066	0.08	14	560	36	<5	<20	17	0.14	<10	141	<10	9	73
2	G46484	0.6	1.62	<5	55	<5	0.81	<1	29	96	793	0.08	5.96	<10	1.53	280	102	0.010	0.09	17	650	14	<5	<20	15	0.18	<10	219	<10	8	55
3	G46485	<0.2	0.04	<5	10	<5	>10	<1	<1	5	9	0.00	0.09	<10	>10	69	<1	0.000	0.01	<1	350	<2	30	<20	130	<0.01	<10	4	<10	<1	6
4	G46486	0.6	1.49	<5	80	<5	0.58	<1	26	70	781	0.08	5.60	<10	1.39	336	217	0.022	0.06	15	800	18	<5	<20	17	0.15	<10	201	<10	12	69
5	G46487	0.3	0.97	<5	65	<5	0.69	<1	16	48	367	0.04	3.80	<10	0.77	202	235	0.024	0.07	6	900	14	<5	<20	16	0.08	<10	102	<10	15	43
6	G46488	0.2	1.31	<5	75	<5	0.55	<1	21	60	323	0.03	4.58	<10	1.31	283	162	0.016	0.08	7	1020	18	<5	<20	15	0.16	<10	146	<10	19	54
7	G46489	0.4	0.59	5	70	<5	0.80	1	10	77	287	0.03	2.51	10	0.44	191	884	0.088	0.06	5	850	30	<5	<20	31	0.05	<10	42	<10	7	172
8	G46490	<0.2	0.66	5	110	<5	1.28	<1	7	18	122	0.01	2.35	20	0.46	598	630	0.063	0.04	14	790	16	<5	<20	123	0.02	<10	30	<10	18	72
9	G46491	<0.2	2.57	<5	240	<5	3.13	<1	29	135	84	0.01	5.29	<10	2.89	676	3	0.000	0.14	51	1840	16	<5	<20	132	0.14	<10	184	<10	3	66
10	G46491	<0.2	2.76	<5	255	<5	3.26	<1	30	121	77	0.01	5.51	<10	3.08	730	<1	0.000	0.15	51	1890	18	<5	<20	127	0.16	<10	195	<10	7	70
11	G46492	0.3	1.83	20	65	<5	0.65	1	26	108	592	0.06	5.16	<10	1.86	388	78	0.008	0.09	20	700	20	5	<20	22	0.23	<10	225	<10	17	83
12	G46493	0.2	1.72	<5	65	<5	0.66	<1	26	92	561	0.06	5.23	<10	1.78	398	247	0.025	0.11	20	740	18	<5	<20	28	0.24	<10	211	<10	13	77
13	G46494	0.4	1.73	<5	55	<5	1.35	<1	27	106	863	0.09	5.75	<10	1.76	437	825	0.083	0.08	17	620	16	<5	<20	36	0.18	<10	191	<10	13	92
14	G46495	0.2	0.66	<5	50	<5	0.73	<1	20	68	482	0.05	3.90	10	0.38	158	639	0.064	0.07	5	760	10	<5	<20	36	0.04	<10	30	<10	2	46
15	G46496	<0.2	0.37	<5	60	<5	0.98	<1	4	99	155	0.02	1.22	10	0.15	116	47	0.005	0.06	4	440	12	<5	<20	37	0.01	<10	10	<10	6	20
16	G46497	<0.2	0.79	10	55	<5	2.30	<1	6	69	304	0.03	2.27	20	0.47	227	325	0.033	0.04	4	870	12	<5	<20	62	0.01	<10	16	<10	9	26
17	G46498	0.2	0.72	<5	55	<5	1.63	<1	7	109	322	0.03	2.20	10	0.33	170	273	0.027	0.05	5	830	16	<5	<20	49	0.01	<10	16	<10	6	32
18	G46499	0.2	0.52	10	50	<5	0.73	<1	9	85	382	0.04	2.35	10	0.36	136	392	0.039	0.06	5	700	6	<5	<20	27	0.04	<10	25	<10	4	25
19	G46501	0.2	0.59	<5	65	<5	0.72	<1	10	106	432	0.04	2.94	10	0.44	167	681	0.068	0.06	5	860	10	<5	<20	45	0.05	<10	33	<10	6	26
20	G46502	0.2	1.14	<5	60	<5	0.69	<1	17	66	617	0.06	3.93	<10	1.15	267	873	0.087	0.10	4	960	14	<5	<20	42	0.18	<10	108	<10	16	53
21	G46503	0.5	1.61	<5	60	<5	0.71	<1	30	101	1234	0.12	6.86	<10	1.59	336	573	0.057	0.14	8	780	14	<5	<20	39	0.23	<10	180	<10	9	67
22	G46504	0.3	2.11	<5	60	<5	0.67	<1	24	61	703	0.07	5.65	<10	2.32	486	523	0.052	0.12	10	920	20	5	<20	26	0.27	<10	210	<10	13	93
23	G46505	0.3	0.04	<5	10	<5	>10	<1	<1	6	10	0.00	0.09	<10	>10	74	2	0.000	0.02	<1	350	<2	35	20	124	<0.01	<10	4	<10	2	11
24	G46506	0.6	1.19	<5	50	<5	0.56	1	25	71	959	0.10	5.45	<10	1.02	290	576	0.058	0.11	7	840	8	<5	<20	18	0.16	<10	91	<10	12	61
25	G46507	0.3	1.35	<5	55	<5	0.63	<1	19	58	632	0.06	4.42	<10	1.16	302	744	0.074	0.11	5	950	12	<5	<20	20	0.18	<10	101	<10	17	58
26	G46508	0.5	1.50	<5	60	<5	0.72	<1	23	83	805	0.08	4.93	<10	1.38	352	446	0.045	0.11	6	870	14	<5	<20	40	0.17	<10	127	<10	12	58
27	G46509	0.7	1.82	40	65	<5	2.82	<1	21	82	918	0.09	5.38	<10	1.48	411	1240	0.124	0.05	7	480	18	<5	<20	59	0.10	<10	141	<10	8	65
28	G46510	<0.2	0.66	<5	135	<5	1.36	<1	7	19	121	0.01	2.59	20	0.54	647	637	0.064	0.05	15	740	14	<5	<20	139	0.02	<10	36	<10	18	72
29	G46511	0.6	1.87	<5	55	<5	0.83	<1	32	116	1318	0.13	6.77	<10	1.92	387	858	0.086	0.11	10	590	16	<5	<20	117	0.20	<10	213	<10	5	79
30	G46512	0.4	1.83	10	70	<5	2.17	<1	20	65	925	0.09	5.27	<10	1.48	323	355	0.035	0.07	6	690	22	<5	<20	58	0.12	<10	155	<10	9	60

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 384** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G46513	0.6	1.93	10	50	<5	1.52	<1	17	76	1153	0.12	6.06	<10	1.23	408	475	0.047	0.06	9	830	20	<5	<20	168	0.09	<10	104	<10	<1	56
32	G46514	0.7	1.37	15	55	<5	1.68	<1	19	71	1007	0.10	4.82	<10	0.95	279	768	0.077	0.08	6	690	18	<5	<20	120	0.10	<10	96	<10	7	48
33	G46515	0.5	1.95	15	50	<5	1.40	1	24	85	1167	0.12	6.39	<10	1.28	278	459	0.046	0.07	9	680	16	<5	<20	58	0.11	<10	124	<10	3	57
34	G46516	0.8	2.22	<5	65	<5	1.19	<1	28	50	1639	0.16	8.45	<10	1.64	355	210	0.021	0.07	7	900	20	<5	<20	62	0.13	<10	166	<10	2	73

35	G46517	0.7	2.03	35	65	<5	1.93	<1	31	78	1208	0.12	7.37	<10	1.68	377	479	0.048	0.06	8	940	24	<5	<20	45	0.13	<10	188	<10	14	71
36	G46518	1.1	1.57	25	80	<5	2.46	<1	38	60	1626	0.16	8.41	<10	1.03	373	1656	0.166	0.05	8	760	20	<5	<20	47	0.07	<10	122	<10	6	76
37	G46519	0.6	0.53	10	50	<5	1.45	<1	20	97	1081	0.11	4.11	<10	0.34	184	1248	0.125	0.05	9	460	12	<5	<20	34	0.03	<10	48	<10	8	30
38	G46521	0.5	0.46	10	45	<5	1.33	<1	23	104	859	0.09	4.35	<10	0.31	179	750	0.075	0.06	12	480	10	<5	<20	32	0.03	<10	37	<10	4	27
39	G46522	0.5	1.19	20	65	<5	1.17	<1	19	134	840	0.08	4.84	<10	1.27	255	2128	0.213	0.06	56	390	16	<5	<20	21	0.11	<10	176	<10	8	35
40	G46523	0.4	1.42	15	80	<5	1.01	<1	21	165	790	0.08	5.01	<10	1.40	278	836	0.084	0.08	89	410	24	<5	<20	45	0.17	<10	208	<10	13	36
41	G46524	0.4	1.20	20	55	<5	0.81	<1	26	170	753	0.08	5.15	<10	1.15	240	2951	0.295	0.06	55	280	18	<5	<20	48	0.14	<10	144	<10	5	35
42	G46525	<0.2	0.05	5	10	<5	>10	<1	<1	5	10	0.00	0.09	<10	>10	70	2	0.000	<0.01	<1	370	<2	40	<20	130	<0.01	<10	4	<10	2	7
43	G46526	0.3	1.71	25	70	<5	1.37	<1	20	157	651	0.07	4.05	<10	1.46	288	826	0.083	0.04	51	370	18	<5	<20	42	0.11	<10	169	<10	8	42
44	G46527	0.3	1.39	10	80	<5	1.11	<1	14	183	379	0.04	3.79	<10	1.35	271	481	0.048	0.06	53	430	16	<5	<20	108	0.13	<10	172	<10	8	47
45	G46528	0.3	1.53	15	70	<5	0.80	<1	21	174	540	0.05	4.41	<10	1.55	264	956	0.096	0.07	52	500	22	<5	<20	33	0.16	<10	198	<10	12	48
46	G46529	0.2	1.35	10	75	<5	0.62	<1	15	168	374	0.04	3.58	<10	1.29	247	711	0.071	0.07	53	490	22	<5	<20	19	0.17	<10	184	<10	10	42
47	G46530	<0.2	0.71	5	135	<5	1.24	<1	8	20	121	0.01	2.67	20	0.55	657	641	0.064	0.05	17	840	18	<5	<20	144	0.02	<10	35	<10	21	78
48	G46531	0.2	1.18	15	65	<5	0.63	<1	14	137	470	0.05	3.42	<10	1.10	243	1240	0.124	0.05	32	660	16	<5	<20	36	0.12	<10	130	<10	9	43
49	G46532	<0.2	1.33	10	75	<5	0.39	<1	14	128	377	0.04	3.41	<10	1.33	253	618	0.062	0.04	48	400	20	<5	<20	16	0.16	<10	191	<10	13	48
50	G46533	0.3	1.29	15	75	<5	0.55	<1	19	158	513	0.05	4.14	<10	1.23	237	661	0.066	0.06	51	420	20	<5	<20	15	0.14	<10	171	<10	11	42
51	G46534	0.2	1.37	20	75	<5	0.67	<1	16	158	402	0.04	3.63	<10	1.30	222	556	0.056	0.08	54	430	20	<5	<20	19	0.15	<10	197	<10	10	36
52	G46535	0.2	0.98	5	80	<5	0.99	<1	14	144	376	0.04	3.36	<10	0.91	233	806	0.081	0.06	31	700	16	<5	<20	30	0.10	<10	125	<10	13	37
53	G46536	0.3	1.26	10	75	<5	0.84	<1	16	157	459	0.05	3.69	<10	1.31	269	1209	0.121	0.07	42	520	18	<5	<20	28	0.13	<10	164	<10	11	47
54	G46537	0.3	1.22	15	75	<5	0.55	<1	17	169	649	0.06	4.18	<10	1.21	242	2015	0.201	0.07	46	300	18	<5	<20	19	0.12	<10	161	<10	8	43
55	G46538	0.3	1.02	10	80	<5	1.40	<1	23	152	697	0.07	4.40	<10	0.96	261	1565	0.156	0.08	44	660	20	<5	<20	44	0.10	<10	115	<10	13	41
56	G46539	0.3	0.76	<5	65	<5	1.01	<1	13	97	475	0.05	3.51	10	0.72	211	348	0.035	0.05	11	1350	14	<5	<20	40	0.06	<10	49	<10	12	34
57	G46541	0.3	0.98	5	75	<5	1.31	<1	13	128	419	0.04	3.51	<10	0.98	256	635	0.063	0.05	32	760	18	<5	<20	40	0.10	<10	105	<10	13	52
58	G46542	0.2	1.36	5	80	<5	1.12	<1	21	152	434	0.04	4.36	<10	1.35	250	695	0.069	0.06	48	350	18	<5	<20	27	0.15	<10	171	<10	10	52
59	G46543	0.2	1.63	10	95	<5	0.43	<1	18	183	472	0.05	4.11	<10	1.66	293	412	0.041	0.09	52	490	28	<5	<20	25	0.20	<10	231	<10	17	55
60	G46544	0.2	1.41	10	90	<5	1.04	<1	13	166	285	0.03	3.45	<10	1.37	281	959	0.096	0.08	45	540	20	<5	<20	26	0.17	<10	168	<10	15	45
61	G46545	<0.2	0.04	10	10	<5	>10	<1	<1	5	11	0.00	0.09	<10	>10	67	5	0.000	<0.01	<1	360	<2	40	<20	141	<0.01	<10	4	<10	3	9
62	G46546	0.3	1.38	10	75	<5	0.48	<1	16	167	521	0.05	3.84	<10	1.38	248	1349	0.135	0.07	49	430	22	<5	<20	20	0.16	<10	179	<10	11	51
63	G46547	0.2	1.45	10	80	<5	0.40	<1	17	152	495	0.05	3.91	<10	1.45	254	574	0.057	0.07	43	510	22	<5	<20	28	0.16	<10	181	<10	11	61
64	G46548	<0.2	0.77	15	50	<5	0.38	<1	6	120	220	0.02	1.77	<10	0.62	138	229	0.023	0.05	26	160	16	5	<20	15	0.06	<10	85	<10	6	32
65	G46549	<0.2	0.20	<5	10	<5	0.26	<1	<1	116	18	0.00	0.44	20	0.04	68	4	0.000	0.06	4	10	10	<5	<20	9	<0.01	<10	3	<10	2	17
66	G46550	<0.2	0.70	5	125	<5	1.33	<1	8	20	131	0.01	2.35	20	0.53	649	637	0.064	0.05	14	850	20	<5	<20	147	0.02	<10	34	<10	22	78
67	G46551	0.3	0.65	10	50	<5	0.62	<1	12	115	564	0.06	3.05	<10	0.49	168	607	0.061	0.06	7	450	12	<5	<20	19	0.05	<10	45	<10	10	35
68	G46552	0.4	0.73	5	50	<5	1.04	<1	10	95	428	0.04	2.91	<10	0.52	198	390	0.039	0.08	5	600	16	<5	<20	23	0.05	<10	50	<10	18	34
69	G46553	0.3	0.70	5	60	<5	0.82	<1	17	115	543	0.05	3.60	<10	0.51	220	610	0.061	0.08	7	560	14	<5	<20	23	0.06	<10	53	<10	14	40
70	G46554	0.4	0.55	5	40	<5	1.67	<1	13	98	718	0.07	3.42	<10	0.34	209	547	0.055	0.05	6	540	10	<5	<20	34	0.04	<10	37	<10	11	32

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 384** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
71	G46555	0.5	0.60	10	60	<5	1.79	<1	19	112	740	0.07	3.93	<10	0.31	186	340	0.034	0.07	6	560	22	<5	<20	61	0.03	<10	33	<10	15	37
72	G46556	0.4	0.54	10	60	<5	1.59	<1	18	108	717	0.07	3.60	<10	0.47	193	809	0.081	0.07	6	570	14	<5	<20	55	0.05	<10	46	<10	12	33
73	G46557	0.3	0.45	10	45	<5	2.40	<1	19	132	708	0.07	3.80	<10	0.41	221	1856	0.186	0.06	5	480	16	<5	<20	88	0.01	<10	26	<10	13	33
74	G46558	0.6	0.56	15	55	<5	1.39	<1	20	82	870	0.09	3.97	<10	0.41	194	558	0.056	0.04	9	490	16	<5	<20	46	0.02	<10	36	<10	9	35
75	G46559	0.3	0.68	10	75	<5	0.65	<1	17	77	596	0.06	3.33	<10	0.56	162	1358	0.136	0.06	4	510	14	<5	<20	18	0.07	<10	54	<10	6	32
76	G46561	0.4	0.64	5	75	<5	0.67	<1	16	129	693	0.07	3.55	<10	0.48	161	918	0.092	0.07	6	500	12	<5	<20	26	0.07	<10	48	<10	11	34
77	G46562	0.4	0.78	10	75	<5	0.73	<1	20	130	761	0.08	4.13	<10	0.54	185	917	0.092	0.09	7	500	14	<5	<20	27	0.06	<10	54	<10	14	37
78	G46563	0.3	0.56	5	60	<5	1.47	<1	14	110	585	0.06	3.11	<10	0.41	248	480	0.048	0.06	7	540	14	<5	<20	30	0.04	<10	42	<10	16	48
79	G46564	0.3	0.35	10	50	<5	1.69	1	11	80	438	0.04	2.44	<10	0.20	267	443	0.044	0.06	9	380	18	<5	<20	39	0.01	<10	18	<10	11	146
80	G46565	<0.2	0.04	10	20	<5	>10	<1	1	5	6	0.00	0.09	<10	>10	66	4	0.000	<0.01	<1	370	<2	45	<20	136	<0.01	<10	3	<10	5	5
81	G46566	0.5	0.59	10	45	<5	1.10	<1	23	121	856	0.09	4.94	<10	0.40	157	615	0.062	0.04	14	340	14	<5	<20	33	0.02	<10	33	<10	5	24
82	G46567	0.3	0.78	30	70	<5	1.44	<1	13	97	512	0.05	3.46	<10	0.50	185	1161	0.116	0.04	17	620	14	<5	<20	39	0.03	<10	41	<10	11	36

83	G46568	0.5	0.94	10	55	<5	1.21	<1	17	137	615	0.06	4.24	<10	0.76	237	971	0.097	0.06	24	510	16	<5	<20	37	0.06	<10	83	<10	13	56
84	G46569	0.2	1.38	10	90	<5	1.05	<1	19	126	351	0.04	3.94	<10	1.31	275	977	0.098	0.06	49	580	20	<5	<20	45	0.16	<10	169	<10	12	49
85	G46570	0.2	0.72	5	125	<5	1.43	<1	8	21	137	0.01	2.39	20	0.52	654	646	0.065	0.05	17	850	20	<5	<20	142	0.02	<10	35	<10	21	80
86	G46571	0.3	1.24	15	80	<5	1.09	<1	19	127	442	0.04	4.12	<10	1.25	243	1113	0.111	0.05	57	620	20	<5	<20	37	0.11	<10	166	<10	13	46
87	G46572	0.3	1.15	15	55	<5	1.12	<1	19	150	472	0.05	4.62	<10	1.10	212	1177	0.118	0.08	71	520	18	<5	<20	25	0.10	<10	150	<10	9	34
88	G46573	0.2	1.33	15	85	<5	0.89	<1	14	195	261	0.03	3.48	<10	1.16	212	1098	0.110	0.08	39	640	20	<5	<20	35	0.16	<10	139	<10	16	31
89	G46574	0.2	1.52	<5	95	<5	1.14	<1	19	84	369	0.04	4.50	<10	1.31	331	400	0.040	0.06	15	2050	20	<5	<20	69	0.16	<10	106	<10	12	50
90	G46575	<0.2	1.43	10	105	<5	0.77	<1	15	174	207	0.02	3.46	<10	1.30	255	548	0.055	0.09	38	970	22	<5	<20	34	0.21	<10	141	<10	9	41
91	G46576	<0.2	1.34	10	85	<5	1.23	<1	13	180	237	0.02	3.22	<10	1.27	238	1024	0.102	0.07	41	500	20	<5	<20	34	0.14	<10	135	<10	12	39
92	G46577	0.2	1.50	10	80	<5	0.89	<1	15	221	281	0.03	3.56	<10	1.40	244	747	0.075	0.07	45	470	18	<5	<20	35	0.16	<10	166	<10	10	39
93	G46578	0.2	1.53	20	80	<5	0.73	<1	17	170	452	0.05	4.27	<10	1.55	278	595	0.060	0.07	47	470	18	<5	<20	45	0.17	<10	176	<10	11	40
94	G46579	0.2	1.54	10	100	<5	0.90	<1	15	233	310	0.03	3.65	<10	1.33	254	1244	0.124	0.08	44	500	24	<5	<20	38	0.18	<10	154	<10	16	37
95	G46581	<0.2	1.40	20	80	<5	1.90	<1	12	120	281	0.03	3.03	<10	0.83	241	2245	0.224	0.04	33	530	24	<5	<20	58	0.08	<10	84	<10	9	37
96	G46582	0.2	0.83	45	55	<5	1.50	<1	12	115	348	0.03	2.75	<10	0.41	148	2835	0.284	0.02	23	510	18	<5	<20	47	<0.01	<10	21	<10	4	51
97	G46583	0.3	0.66	25	55	<5	1.39	<1	10	132	544	0.05	2.48	20	0.26	130	918	0.092	0.04	19	640	14	<5	<20	42	<0.01	<10	21	<10	8	32
98	G46584	0.2	1.23	20	70	<5	1.27	<1	13	104	460	0.05	3.16	20	0.87	207	2544	0.254	0.04	19	700	20	<5	<20	71	0.06	<10	68	<10	9	33
99	G46585	<0.2	0.05	10	25	<5	>10	<1	1	6	7	0.00	0.09	<10	>10	70	8	0.001	0.01	<1	390	<2	45	<20	135	<0.01	<10	5	<10	5	6
100	G46586	0.4	1.37	10	80	<5	0.85	<1	15	137	709	0.07	3.93	<10	1.34	292	1041	0.104	0.06	43	430	22	<5	<20	29	0.13	<10	153	<10	10	57
101	G46587	1.0	0.71	10	75	<5	0.59	<1	15	134	1459	0.15	2.74	<10	0.56	158	1125	0.112	0.06	17	730	12	<5	<20	60	0.06	<10	47	<10	7	30
102	G46588	0.2	0.85	10	70	<5	0.99	<1	10	112	375	0.04	2.83	10	0.68	204	736	0.074	0.06	13	910	14	<5	<20	90	0.06	<10	56	<10	8	29
103	G46589	0.2	0.77	5	80	<5	0.58	<1	11	148	342	0.03	3.10	<10	0.64	166	611	0.061	0.07	22	690	14	<5	<20	33	0.06	<10	71	<10	6	24
104	G46590	0.2	0.86	5	130	<5	1.34	<1	8	21	132	0.01	2.31	20	0.55	615	645	0.065	0.05	18	860	20	<5	<20	150	0.02	<10	36	<10	21	79
105	G46591	0.9	1.21	20	70	<5	0.42	<1	18	157	1600	0.16	4.48	<10	1.27	249	2565	0.256	0.06	39	280	16	<5	<20	29	0.10	<10	146	<10	3	50
106	G46592	0.2	1.29	15	80	<5	0.43	<1	16	189	347	0.03	3.54	<10	1.24	255	1540	0.154	0.06	49	420	24	5	<20	70	0.15	<10	166	<10	6	47
107	G46593	<0.2	1.34	15	90	<5	0.63	<1	13	203	291	0.03	3.17	<10	1.21	236	1985	0.198	0.06	39	320	22	<5	<20	141	0.13	<10	176	<10	8	38
108	G46594	0.3	1.38	15	90	<5	0.52	<1	17	162	420	0.04	3.77	<10	1.36	260	322	0.032	0.06	53	390	22	<5	<20	37	0.15	<10	179	<10	10	39
109	G46595	0.3	1.38	45	70	<5	1.32	<1	12	209	620	0.06	3.03	<10	0.94	225	1650	0.165	0.03	34	290	24	<5	<20	53	0.07	<10	101	<10	6	40
110	G46596	0.2	1.16	35	70	<5	1.42	<1	13	116	370	0.04	3.45	<10	0.83	210	857	0.086	0.04	33	570	20	<5	<20	52	0.07	<10	100	<10	6	36

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 384** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
111	G46597	<0.2	1.50	5	85	<5	0.55	<1	14	155	234	0.02	3.47	<10	1.30	228	286	0.029	0.06	48	540	22	<5	<20	57	0.15	<10	179	<10	8	42
112	G46598	<0.2	1.75	5	115	<5	0.60	<1	18	146	310	0.03	3.96	<10	1.57	305	1070	0.107	0.07	53	770	26	<5	<20	107	0.20	<10	179	<10	15	65
113	G46599	0.2	1.33	10	90	<5	0.45	<1	16	195	350	0.04	3.57	<10	1.22	291	1402	0.140	0.07	56	430	24	<5	<20	67	0.16	<10	167	<10	12	50
114	G46601	0.4	1.48	10	85	<5	0.50	<1	17	178	339	0.03	3.81	<10	1.28	455	828	0.083	0.09	51	430	26	<5	<20	106	0.14	<10	150	<10	10	91
115	G46602	<0.2	1.41	<5	95	<5	0.32	<1	16	195	280	0.03	3.48	<10	1.32	243	715	0.071	0.10	56	360	24	<5	<20	99	0.18	<10	181	<10	11	55
116	G46603	<0.2	1.42	5	110	<5	0.39	<1	16	169	286	0.03	3.48	<10	1.30	233	1443	0.144	0.09	64	390	22	<5	<20	112	0.17	<10	183	<10	11	49
117	G46604	0.2	1.41	10	80	<5	0.92	<1	15	186	392	0.04	3.82	<10	1.34	319	726	0.073	0.06	59	520	20	<5	<20	114	0.14	<10	185	<10	12	57
118	G46605	<0.2	0.03	10	15	<5	>10	<1	1	4	5	0.00	0.09	<10	>10	72	4	0.000	<0.01	<1	380	<2	40	<20	137	<0.01	<10	4	<10	2	5
119	G46606	0.3	1.43	10	90	<5	1.04	<1	24	209	516	0.05	4.38	<10	1.52	325	269	0.027	0.07	46	430	24	<5	<20	96	0.14	<10	151	<10	14	63
120	G46607	0.4	1.18	10	75	<5	0.93	<1	22	166	577	0.06	4.83	<10	1.21	341	268	0.027	0.05	59	390	18	<5	<20	64	0.13	<10	145	<10	8	56
121	G46608	0.2	1.55	10	110	<5	0.67	<1	14	155	279	0.03	3.32	<10	1.42	328	901	0.090	0.08	42	450	24	<5	<20	150	0.19	<10	182	<10	16	58
122	G46609	<0.2	1.34	15	105	<5	0.78	<1	13	288	253	0.03	3.04	<10	1.13	281	823	0.082	0.09	43	420	24	<5	<20	95	0.15	<10	151	<10	16	42
123	G46610	0.2	0.74	10	130	<5	1.34	<1	8	21	134	0.01	2.71	20	0.52	666	638	0.064	0.05	17	870	22	<5	<20	143	0.02	<10	35	<10	22	75
124	G46611	0.2	1.17	45	70	<5	2.42	<1	14	99	326	0.03	3.44	<10	0.76	243	914	0.091	0.02	40	400	24	<5	<20	83	0.04	<10	69	<10	12	41
125	G46612	0.2	1.79	30	90	<5	1.39	<1	15	128	391	0.04	3.86	<10	1.27	327	418	0.042	0.03	43	550	28	<5	<20	100	0.11	<10	151	<10	12	57

QC DATA:

Repeat:

1	G46483	0.8	1.26	15	60	<5	0.82	1	23	77	906		5.04	<10	1.06	229	680		0.08	11	550	32	<5	<20	18	0.14	<10	149	<10	10	68
10	G46491	<0.2	2.73	<5	255	<5	3.25	1	29	119	77		5.51	<10	3.08	725	<1		0.14	51	1880	18	<5	<20	124	0.15	<10	195	<10	6	70
19	G46501	0.2	0.57	5	60	<5	0.72	<1	9	103	425		2.95	10	0.44	163	620		0.06	5	860	8	<5	<20	41	0.05	<10	32	<10	5	26
36	G46518	1.1	1.52	30	95	<5	2.56	<1	41	65	1605		8.75	<10	1.03	395	1563		0.06	6	730	30	<5	<20	47	0.08	<10	131	<10	7	75

45	G46528	0.2	1.60	15	80	<5	0.82	1	22	180	563	4.50	<10	1.60	270	988	0.08	54	510	20	5	<20	33	0.16	<10	204	<10	12	47
54	G46537	0.3	1.20	15	75	<5	0.55	<1	17	170	627	4.19	<10	1.17	245	2008	0.07	48	320	18	<5	<20	17	0.12	<10	158	<10	6	44
71	G46555	0.5	0.60	10	55	<5	1.79	<1	18	114	718	3.89	<10	0.31	180	347	0.07	8	560	18	<5	<20	56	0.03	<10	33	<10	13	34
80	G46565	<0.2	0.04	5	10	<5	>10	<1	<1	5	5	0.09	<10	>10	67	4	<0.01	<1	360	<2	40	<20	132	<0.01	<10	4	<10	3	5
89	G46574	0.2	1.55	5	90	<5	1.13	<1	19	87	374	4.51	10	1.31	325	406	0.06	15	2090	22	<5	<20	70	0.16	<10	107	<10	12	51
106	G46592	0.2	1.35	15	90	<5	0.43	<1	16	196	358	3.56	<10	1.27	252	1577	0.07	48	410	24	<5	<20	75	0.17	<10	169	<10	8	46
115	G46602	<0.2	1.43	5	105	<5	0.33	<1	16	200	278	3.49	<10	1.31	245	715	0.11	58	380	24	<5	<20	101	0.18	<10	181	<10	13	55
Resplit:																													
1	G46483	0.8	1.26	15	45	<5	0.91	2	25	81	864	5.05	<10	1.02	237	682	0.08	14	570	36	<5	<20	19	0.14	<10	148	<10	12	76
36	G46518	1.2	1.68	35	95	<5	2.59	<1	41	68	1703	8.66	<10	1.15	405	1478	0.06	8	800	32	<5	<20	51	0.09	<10	137	<10	7	76
71	G46555	0.5	0.56	10	60	<5	1.74	<1	17	99	713	3.64	<10	0.29	173	403	0.06	6	550	18	<5	<20	56	0.03	<10	30	<10	13	30
106	G46592	<0.2	1.33	15	95	<5	0.44	<1	16	175	339	3.56	<10	1.28	253	1674	0.07	44	420	24	<5	<20	68	0.17	<10	169	<10	8	46
Standard:																													
PB113		11.2	0.28	50	60	<5	1.70	41	2	4	2375	1.06	<10	0.12	1537	64	0.02	3	50	5378	20	<20	91	0.01	<10	9	50	<1	6923
PB113		11.8	0.29	50	60	<5	1.76	40	3	4	2355	1.16	<10	0.13	1672	71	0.02	2	70	5642	15	<20	86	0.01	<10	9	60	<1	6959
PB113		11.0	0.32	50	70	<5	1.75	40	3	4	2376	1.15	<10	0.13	1668	70	0.02	4	60	5962	20	<20	95	0.01	<10	10	60	<1	6973
PB113		11.0	0.28	65	65	<5	1.77	44	5	5	2357	1.09	<10	0.12	1576	68	0.02	4	60	5876	20	<20	85	<0.01	<10	9	60	<1	6870

JJ/kk
df/0384
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0384

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

3-May-07

Attention: Ken MacDonald

No. of samples received: 125
Sample Type: Core
Project: CHU
Shipment #: 44
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
1	G46483	0.063
7	G46489	0.085
8	G46490	0.064
13	G46494	0.079
14	G46495	0.061
19	G46501	0.064
20	G46502	0.083
21	G46503	0.055
24	G46506	0.054
25	G46507	0.071
27	G46509	0.119
28	G46510	0.064
29	G46511	0.083
32	G46514	0.074
36	G46518	0.159
37	G46519	0.118
38	G46521	0.077
39	G46522	0.205
40	G46523	0.078
41	G46524	0.286
43	G46526	0.081
45	G46528	0.092

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0384 3-May-07

ET #.	Tag #	Mo (%)
46	G46529	0.069
47	G46530	0.066
48	G46531	0.125
49	G46532	0.063
50	G46533	0.063
51	G46534	0.055
52	G46535	0.080
53	G46536	0.118
54	G46537	0.197
55	G46538	0.160
57	G46541	0.062
58	G46542	0.068
60	G46544	0.092
62	G46546	0.135
63	G46547	0.058
66	G46550	0.065
67	G46551	0.061
69	G46553	0.060
70	G46554	0.054
72	G46556	0.083
73	G46557	0.192
74	G46558	0.058
75	G46559	0.140
76	G46561	0.091
77	G46562	0.092
81	G46566	0.063
82	G46567	0.120
83	G46568	0.099
84	G46569	0.098
85	G46570	0.066
86	G46571	0.115
87	G46572	0.112
88	G46573	0.111
90	G46575	0.053
91	G46576	0.107
92	G46577	0.074
93	G46578	0.061
94	G46579	0.131
95	G46581	0.228
96	G46582	0.278
97	G46583	0.093
98	G46584	0.260
100	G46586	0.108

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0384 3-May-07

ET #.	Tag #	Mo (%)
101	G46587	0.114
102	G46588	0.078
103	G46589	0.064
104	G46590	0.066
105	G46591	0.249
106	G46592	0.161
107	G46593	0.208
109	G46595	0.172
110	G46596	0.091
112	G46598	0.112
113	G46599	0.150
114	G46601	0.085
115	G46602	0.074
116	G46603	0.147
117	G46604	0.075
121	G46608	0.096
122	G46609	0.084
123	G46610	0.067
124	G46611	0.093

QC DATA:

Repeat:

1	G46483	0.062
24	G46506	0.052
38	G46521	0.079
51	G46534	0.056
60	G46544	0.091
74	G46558	0.057
87	G46572	0.118
97	G46583	0.095
107	G46593	0.214
124	G46611	0.093

Standard:

MP2	0.282
MP2	0.283
MP2	0.282
MP2	0.278
MP2	0.281

JJ/kk
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0363

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

1-May-07

Attention: Ken MacDonald

No. of samples received: 34
Sample Type: Core
Project: CHU
Shipment #: 42
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
1	G46399	0.088
2	G46401	0.143
3	G46402	0.108
4	G46403	0.075
5	G46404	0.097
7	G46406	0.105
8	G46407	0.284
9	G46408	0.091
10	G46409	0.151
11	G46410	0.064
13	G46412	0.215
14	G46413	0.090
15	G46414	0.181
16	G46415	0.112
17	G46416	0.079
18	G46417	0.072
19	G46418	0.094
20	G46419	0.132
21	G46421	0.102
22	G46422	0.158
23	G46423	0.099
24	G46424	0.061
26	G46426	0.091
27	G46427	0.142
28	G46428	0.104

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0363 1-May-07

ET #.	Tag #	Mo (%)
29	G46429	0.081
30	G46430	0.065

QC DATA:

Repeat:

1	G46399	0.086
10	G46409	0.149
20	G46419	0.135

Standard:

MP2	0.279
MP2	0.283
MP2	0.283

JJ/sa
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

27-Apr-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007- 363

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 34
Sample Type: Core
Project: CHU
Shipment #: 42
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G46399	0.2	1.12	20	60	<5	1.36	<1	12	98	193	0.02	2.94	<10	1.09	201	871	0.087	0.03	46	360	14	<5	<20	37	0.08	<10	109	<10	9	36
2	G46401	0.2	1.30	10	50	<5	2.23	<1	13	113	311	0.03	3.20	<10	1.10	220	1373	0.137	0.03	40	610	16	5	<20	80	0.08	<10	95	<10	13	32
3	G46402	0.2	1.21	5	35	<5	2.78	1	16	70	380	0.04	3.53	10	0.79	257	1032	0.103	0.03	18	1150	22	<5	<20	105	0.03	<10	35	<10	10	51
4	G46403	<0.2	1.46	15	70	<5	1.55	<1	12	93	171	0.02	2.82	<10	1.21	197	738	0.074	0.02	46	350	20	<5	<20	64	0.09	<10	117	<10	13	37
5	G46404	0.2	1.59	15	65	<5	1.70	<1	11	127	210	0.02	2.72	<10	1.14	234	930	0.093	0.02	38	600	20	5	<20	77	0.09	<10	100	<10	13	37
6	G46405	<0.2	0.05	5	15	<5	>10	<1	<1	4	6	0.00	0.08	<10	>10	67	<1	0.000	<0.01	1	330	<2	35	<20	117	<0.01	<10	4	<10	2	6
7	G46406	0.2	1.54	140	70	<5	3.38	<1	12	113	270	0.03	3.06	<10	1.25	276	1018	0.102	0.02	48	370	14	<5	<20	75	0.06	<10	97	<10	11	36
8	G46407	0.2	1.40	15	75	<5	0.74	<1	15	163	303	0.03	3.12	<10	1.23	210	2856	0.286	0.04	51	320	16	<5	<20	73	0.12	<10	138	<10	13	35
9	G46408	<0.2	0.84	15	65	<5	1.51	<1	10	110	177	0.02	2.34	<10	0.71	208	919	0.092	0.04	39	280	12	<5	<20	51	0.06	<10	79	<10	10	43
10	G46409	0.2	0.44	5	60	<5	1.35	<1	9	96	195	0.02	2.22	20	0.27	149	1471	0.147	0.05	14	600	10	<5	<20	49	0.02	<10	24	<10	6	27
11	G46410	<0.2	0.68	<5	120	<5	1.24	<1	7	18	116	0.01	2.33	20	0.46	596	632	0.063	0.04	17	720	16	<5	<20	114	0.02	<10	30	<10	18	77
12	G46411	<0.2	0.25	<5	25	<5	0.45	<1	2	73	30	0.00	0.55	<10	0.09	52	53	0.005	0.04	4	130	6	<5	<20	24	<0.01	<10	5	<10	3	13
13	G46412	0.2	0.74	10	50	<5	1.65	<1	11	95	229	0.02	2.51	10	0.51	173	2102	0.210	0.04	19	500	14	<5	<20	54	0.03	<10	42	<10	5	26
14	G46413	0.2	0.65	10	40	<5	1.37	<1	5	93	156	0.02	1.49	<10	0.42	188	926	0.093	0.04	16	290	12	<5	<20	60	0.03	<10	36	<10	3	26
15	G46414	0.2	0.73	10	65	<5	1.55	<1	9	106	253	0.03	2.24	<10	0.50	194	1834	0.183	0.05	23	500	14	<5	<20	60	0.04	<10	55	<10	9	29
16	G46415	0.2	0.85	5	65	<5	1.54	<1	11	109	289	0.03	2.59	<10	0.68	175	1114	0.111	0.04	34	440	10	<5	<20	52	0.06	<10	77	<10	9	26
17	G46416	0.2	1.43	<5	70	<5	0.99	<1	12	130	239	0.02	2.74	<10	1.23	201	822	0.082	0.04	41	550	16	<5	<20	88	0.11	<10	118	<10	13	33
18	G46417	0.3	1.14	5	70	<5	1.03	<1	14	120	329	0.03	2.85	<10	1.01	192	767	0.077	0.05	36	510	14	<5	<20	55	0.10	<10	110	<10	12	32
19	G46418	<0.2	0.39	10	45	<5	1.67	<1	14	91	57	0.01	3.21	<10	0.15	98	972	0.097	0.05	23	670	10	<5	<20	64	<0.01	<10	8	<10	3	17
20	G46419	0.3	0.79	5	50	<5	1.27	<1	10	186	299	0.03	2.71	<10	0.61	150	1337	0.134	0.04	28	330	10	<5	<20	60	0.05	<10	63	<10	6	33
21	G46421	0.2	1.09	10	75	<5	1.65	<1	11	110	248	0.02	2.92	<10	0.87	194	1056	0.106	0.05	32	540	14	<5	<20	54	0.08	<10	97	<10	11	38
22	G46422	0.4	0.78	20	60	<5	1.95	<1	14	139	670	0.07	3.27	<10	0.51	181	1617	0.162	0.05	38	380	18	<5	<20	54	0.03	<10	54	<10	6	50
23	G46423	0.8	0.54	20	45	<5	1.36	<1	17	131	1171	0.12	3.02	<10	0.44	146	1145	0.114	0.04	34	290	8	<5	<20	32	0.02	<10	45	<10	3	35
24	G46424	0.4	0.83	15	70	<5	1.43	<1	16	78	404	0.04	3.91	<10	0.65	176	646	0.065	0.04	26	540	14	<5	<20	59	0.06	<10	66	<10	9	35
25	G46425	<0.2	0.03	<5	20	<5	>10	<1	1	4	5	0.00	0.10	<10	>10	64	<1	0.000	<0.01	<1	350	<2	30	<20	106	<0.01	<10	3	<10	2	5

ECO TECH LABORATORY LTD.

ICP CERTIFICATE OF ANALYSIS AK 2007- 363

TTM Resources

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G46426	0.2	1.27	20	70	<5	2.93	<1	10	90	160	0.02	2.69	<10	0.89	207	942	0.094	0.03	33	390	16	<5	<20	91	0.06	<10	64	<10	7	44
27	G46427	1.3	0.77	45	55	<5	1.29	<1	22	122	1050	0.11	4.36	<10	0.66	192	1409	0.141	0.03	47	300	12	<5	<20	37	0.05	<10	62	10	5	43
28	G46428	0.3	1.29	15	65	<5	1.42	<1	11	129	210	0.02	2.84	<10	1.05	205	989	0.099	0.04	39	360	20	<5	<20	105	0.08	<10	128	<10	11	43

29	G46429	0.4	1.24	15	60	<5	0.98	<1	10	103	275	0.03	2.83	<10	0.99	218	788	0.079	0.04	26	610	20	<5	<20	99	0.07	<10	111	<10	12	38
30	G46430	<0.2	0.72	<5	120	<5	1.30	<1	7	18	122	0.01	2.45	20	0.49	604	630	0.063	0.04	16	770	14	<5	<20	118	0.02	<10	32	<10	17	79
31	G46431	0.2	0.83	5	60	<5	0.73	<1	4	103	225	0.02	1.57	<10	0.42	112	293	0.029	0.05	6	540	12	<5	<20	105	0.01	<10	19	<10	5	16
32	G46432	<0.2	1.05	10	85	<5	1.11	<1	4	64	119	0.01	1.31	<10	0.46	103	92	0.009	0.05	7	450	14	<5	<20	216	0.02	<10	21	<10	7	17
33	G46433	0.2	1.61	15	55	<5	2.34	<1	10	69	364	0.04	2.88	<10	0.82	168	221	0.022	0.05	23	640	14	10	<20	237	0.03	<10	59	<10	4	27
34	G46434	0.2	0.89	10	50	<5	1.78	<1	4	60	204	0.02	1.90	10	0.43	110	151	0.015	0.04	3	750	14	<5	<20	135	<0.01	<10	19	<10	5	22
QC DATA:																															
Repeat:																															
1	G46399	0.2	1.19	20	60	<5	1.38	<1	12	104	198		2.97	<10	1.13	205	899		0.04	49	370	18	<5	<20	42	0.08	<10	112	<10	10	35
10	G46409	0.2	0.49	10	60	<5	1.39	<1	10	101	204		2.30	20	0.28	155	1494		0.05	14	620	10	<5	<20	54	0.02	<10	25	<10	7	27
19	G46418	<0.2	0.40	15	40	<5	1.69	<1	14	94	56		3.24	<10	0.14	98	978		0.04	22	680	10	<5	<20	60	<0.01	<10	8	<10	3	17
Resplit:																															
1	G46399	0.2	1.24	25	70	<5	1.37	<1	13	102	203		3.10	<10	1.17	203	880		0.04	50	390	16	<5	<20	36	0.08	<10	114	<10	10	36
Standard:																															
Pb116		11.4	0.22	5	130	<5	0.84	12	2	3	2173		0.80	<10	0.07	238	24		0.02	2	190	6954	15	<20	178	<0.01	<10	8	<10	<1	4159

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/bp
df/363
XLS/07

CERTIFICATE OF ASSAY AK 2007-362

TTM Resources 2-May-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 46
Sample Type: Core
Project: CHU
Shipment #: 43
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
3	G46437	0.086
4	G46438	0.079
6	G46441	0.056
7	G46442	0.093
11	G46446	0.086
12	G46447	0.151
15	G46450	0.065
16	G46451	0.097
17	G46452	0.066
18	G46453	0.096
19	G46454	0.084
30	G46466	0.055
32	G46468	0.061
34	G46470	0.066
41	G46477	0.050
42	G46478	0.253
46	G46482	0.055

QC DATA:

Repeat:

3	G46437	0.084
18	G46453	0.098

Standard:

MP2	0.282
MP2	0.285
MP2	0.280

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sa
XLS/07

1-May-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007- 362

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 46
Sample Type: Core
Project: CHU
Shipment #: 43
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G46435	0.7	0.70	<5	40	<5	0.29	<1	10	85	643	0.06	2.55	10	0.44	152	132	0.013	0.07	5	840	<2	<5	<20	26	0.08	<10	42	<10	12	32
2	G46436	0.3	0.58	<5	50	<5	0.28	<1	8	68	330	0.03	2.14	<10	0.29	130	295	0.030	0.05	4	640	2	<5	<20	21	0.08	<10	47	<10	18	24
3	G46437	0.2	0.51	<5	45	<5	0.44	<1	11	68	223	0.02	2.19	<10	0.28	144	842	0.084	0.05	3	470	<2	<5	<20	25	0.08	<10	55	<10	18	22
4	G46438	0.4	0.78	<5	45	<5	0.48	<1	20	75	569	0.06	4.28	<10	0.61	276	753	0.075	0.08	8	740	<2	<5	<20	20	0.17	<10	121	<10	23	38
5	G46439	0.6	0.78	<5	50	<5	0.38	1	24	62	983	0.10	6.06	<10	0.65	254	212	0.021	0.09	8	610	<2	<5	<20	11	0.15	<10	158	<10	18	47
6	G46441	0.5	0.71	<5	45	<5	0.68	<1	27	76	790	0.08	5.05	<10	0.44	258	542	0.054	0.06	7	610	2	<5	<20	11	0.14	<10	117	<10	18	38
7	G46442	0.6	0.80	<5	45	<5	0.72	<1	31	72	856	0.09	5.40	<10	0.64	258	895	0.090	0.06	8	580	6	<5	<20	10	0.16	<10	131	<10	14	49
8	G46443	1.0	1.26	<5	50	<5	0.52	1	19	75	945	0.09	5.12	<10	1.15	381	278	0.028	0.11	6	590	<2	<5	<20	24	0.17	<10	130	<10	15	65
9	G46444	0.5	1.35	<5	60	<5	0.64	1	20	74	544	0.05	4.55	<10	1.44	483	326	0.033	0.10	7	650	<2	<5	<20	42	0.22	<10	120	<10	21	75
10	G46445	<0.2	0.05	10	15	<5	>10	<1	1	4	9	0.00	0.09	<10	>10	72	<1	0.000	<0.01	<1	320	<2	40	<20	117	<0.01	<10	4	<10	2	7
11	G46446	0.3	1.45	<5	55	<5	1.06	1	20	82	590	0.06	5.03	<10	1.58	513	858	0.086	0.08	9	550	6	<5	<20	30	0.19	<10	132	<10	18	83
12	G46447	1.4	1.00	5	45	<5	2.42	4	24	64	1014	0.10	6.75	<10	0.99	609	1508	0.151	0.07	8	460	114	<5	<20	65	0.07	<10	91	<10	3	320
13	G46448	0.4	1.79	<5	50	<5	0.96	<1	27	58	760	0.08	5.53	<10	1.65	601	185	0.019	0.09	8	670	<2	<5	<20	18	0.25	<10	183	<10	26	91
14	G46449	0.5	1.72	<5	65	<5	0.75	<1	30	108	1234	0.12	7.40	<10	1.74	505	402	0.040	0.13	7	560	<2	<5	<20	27	0.26	<10	185	<10	16	87
15	G46450	0.2	0.72	<5	125	<5	1.29	<1	7	18	135	0.01	2.64	20	0.55	624	631	0.063	0.05	15	740	14	<5	<20	131	0.02	<10	37	<10	17	68
16	G46451	0.5	1.83	<5	65	<5	0.59	1	27	76	1191	0.12	6.81	<10	1.89	484	939	0.094	0.13	9	600	<2	<5	<20	26	0.26	<10	210	<10	15	83
17	G46452	0.6	1.25	<5	70	<5	0.88	1	33	66	1319	0.13	7.67	<10	1.12	395	630	0.063	0.09	6	490	2	<5	<20	86	0.22	<10	170	<10	14	59
18	G46453	0.5	1.50	<5	65	<5	0.80	<1	33	67	1163	0.12	7.08	<10	1.53	447	950	0.095	0.10	8	570	<2	<5	<20	25	0.27	<10	199	<10	15	70
19	G46454	0.2	1.35	<5	65	<5	0.62	1	33	75	1179	0.12	7.07	<10	1.51	429	795	0.080	0.08	8	510	6	<5	<20	15	0.27	<10	194	<10	18	85
20	G46455	0.5	1.21	<5	55	<5	0.56	<1	28	68	854	0.09	6.49	<10	1.37	396	432	0.043	0.08	8	600	2	<5	<20	12	0.26	<10	175	<10	19	91
21	G46456	0.8	1.51	<5	55	<5	0.86	7	29	85	1313	0.13	7.38	<10	1.45	494	305	0.031	0.07	11	470	<2	<5	<20	16	0.24	<10	191	<10	16	264
22	G46457	0.7	1.58	<5	70	<5	0.69	2	32	70	1194	0.12	7.95	<10	1.68	435	141	0.014	0.09	9	520	<2	<5	<20	19	0.25	<10	204	<10	16	85
23	G46458	0.5	1.36	<5	55	<5	0.68	1	27	48	940	0.09	6.56	<10	1.32	423	125	0.012	0.12	9	610	<2	<5	<20	20	0.25	<10	195	<10	18	78
24	G46459	0.6	1.26	<5	60	<5	0.74	1	31	56	1159	0.12	7.27	<10	1.12	416	346	0.035	0.11	11	570	<2	<5	<20	23	0.24	<10	190	<10	13	75
25	G46461	0.4	1.30	<5	65	<5	0.65	1	26	48	806	0.08	6.33	<10	1.29	485	184	0.018	0.09	9	580	2	<5	<20	51	0.25	<10	196	<10	18	87
26	G46462	0.6	1.12	<5	60	<5	0.58	2	26	60	1001	0.10	6.61	<10	1.14	376	176	0.018	0.09	13	570	2	<5	<20	19	0.23	<10	162	<10	16	68
27	G46463	0.7	1.35	<5	55	<5	0.56	1	24	56	1347	0.13	7.04	<10	1.38	406	300	0.030	0.09	8	500	<2	<5	<20	14	0.22	<10	179	<10	12	68
28	G46464	0.8	1.59	<5	50	<5	1.28	1	27	57	1159	0.12	6.31	<10	1.52	436	228	0.023	0.08	8	600	<2	<5	<20	23	0.21	<10	186	<10	18	58
29	G46465	<0.2	0.05	10	10	<5	>10	<1	<1	4	7	0.00	0.10	<10	>10	73	<1	0.000	0.01	<1	480	<2	35	<20	129	<0.01	<10	5	<10	2	6
30	G46466	1.1	1.34	<5	45	<5	1.45	1	26	62	1162	0.12	6.07	10	1.12	406	563	0.056	0.05	10	600	<2	<5	<20	31	0.13	<10	115	<10	9	49

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G46467	1.6	1.68	10	50	<5	1.52	1	25	66	1663	0.17	6.78	<10	1.27	464	229	0.023	0.06	8	450	<2	<5	<20	45	0.18	<10	163	<10	11	53
32	G46468	1.5	1.85	35	55	<5	1.71	<1	31	43	1437	0.14	7.99	<10	1.31	406	591	0.059	0.03	10	480	<2	<5	<20	35	0.09	<10	161	<10	5	62

33	G46469	1.0	2.11	<5	55	<5	1.72	2	26	55	1081	0.11	6.73	<10	1.85	394	300	0.030	0.05	9	610	<2	<5	<20	23	0.16	<10	215	<10	12	65
34	G46470	<0.2	0.69	<5	130	<5	1.33	<1	7	18	126	0.01	2.71	20	0.53	638	630	0.063	0.04	15	730	16	<5	<20	126	0.02	<10	32	<10	17	68
35	G46471	0.8	0.74	<5	30	<5	0.30	<1	11	78	692	0.07	2.57	10	0.45	150	98	0.010	0.07	5	870	2	<5	<20	27	0.07	<10	43	<10	13	32
36	G46472	0.6	1.77	10	50	<5	1.74	<1	28	100	994	0.10	6.25	<10	1.59	391	398	0.040	0.07	15	660	<2	<5	<20	30	0.18	<10	212	<10	12	71
37	G46473	0.9	2.03	<5	60	<5	1.03	<1	33	89	1261	0.13	7.40	<10	2.17	452	416	0.042	0.08	18	620	<2	<5	<20	18	0.25	<10	241	<10	15	87
38	G46474	0.9	1.92	<5	55	<5	1.17	<1	26	104	1000	0.10	6.00	<10	1.88	442	188	0.019	0.10	15	790	4	<5	<20	28	0.24	<10	209	<10	25	86
39	G46475	0.8	1.29	<5	55	<5	0.63	<1	30	105	1061	0.11	6.35	<10	1.22	263	219	0.022	0.09	12	710	<2	<5	<20	32	0.25	<10	174	<10	21	48
40	G46476	0.8	1.44	<5	45	<5	1.04	1	24	51	946	0.09	5.54	<10	1.30	381	218	0.022	0.10	8	700	<2	<5	<20	27	0.23	<10	202	<10	18	52
41	G46477	0.9	1.66	<5	60	<5	1.02	1	33	110	1236	0.12	7.56	<10	1.49	568	499	0.050	0.11	10	540	4	<5	<20	57	0.24	<10	166	<10	16	83
42	G46478	0.4	1.98	<5	55	<5	1.64	<1	25	105	658	0.07	5.41	<10	2.29	560	2472	0.247	0.09	8	590	10	<5	<20	73	0.32	<10	219	<10	22	116
43	G46479 *1 of 2	<0.2	3.23	10	140	<5	3.68	1	37	208	77	0.01	5.84	<10	2.81	631	15	0.002	0.26	93	1710	2	5	<20	203	0.14	<10	185	<10	6	57
44	G46479 *2 of 2	<0.2	3.02	10	165	<5	3.53	<1	35	215	87	0.01	5.45	<10	2.53	581	1	0.000	0.26	97	1570	10	<5	<20	207	0.14	<10	171	<10	9	52
45	G46481	0.3	1.58	5	40	<5	1.54	<1	26	71	646	0.06	5.13	<10	1.26	314	242	0.024	0.06	16	940	<2	<5	<20	55	0.12	<10	146	<10	19	72
46	G46482	0.5	1.11	<5	45	<5	0.51	<1	19	56	584	0.06	4.49	<10	0.96	263	538	0.054	0.06	7	1070	4	<5	<20	14	0.12	<10	115	<10	24	49

QC DATA:

Repeat:

1	G46435	0.7	0.76	<5	35	<5	0.29	<1	11	83	712		2.56	10	0.47	153	136		0.07	6	810	<2	<5	<20	28	0.08	<10	44	<10	12	31
10	G46445	<0.2	0.05	10	15	<5	>10	<1	<1	5	11		0.10	<10	>10	72	3		<0.01	<1	310	<2	45	<20	106	<0.01	<10	4	<10	1	7
19	G46454	0.3	1.50	<5	65	<5	0.52	1	32	69	1299		7.27	<10	1.64	413	796		0.10	8	480	4	<5	<20	16	0.27	<10	199	<10	13	73
36	G46472	0.5	1.60	10	45	<5	1.86	<1	30	108	951		6.57	<10	1.45	407	408		0.06	14	720	2	<5	<20	25	0.19	<10	207	<10	16	85

Resplit:

1	G46435	0.5	0.81	<5	50	<5	0.37	1	14	82	689		2.78	<10	0.59	179	145		0.05	7	790	<2	<5	<20	31	0.10	<10	45	<10	14	44
36	G46472	0.5	1.83	5	45	<5	1.72	<1	26	109	1006		6.21	<10	1.62	395	391		0.07	15	700	<2	<5	<20	30	0.20	<10	218	<10	14	73

Standard:

Pb116	10.9	0.30	5	130	<5	0.89	11	3	3	2110		0.80	<10	0.10	245	20		0.02	2	180	7072	20	<20	175	0.01	<10	9	<10	<1	4197
Pb116	10.9	0.28	<5	140	<5	0.92	12	3	2	2165		0.82	<10	0.08	230	22		0.02	2	190	6964	15	<20	188	0.01	<10	10	<10	1	4238

* Two samples labelled with the same tag #

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kk
df/362
XLS/07

CERTIFICATE OF ASSAY AK 2007-361

TTM Resources 2-May-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 74
Sample Type: Core
Project: CHU
Shipment #: 41
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
1	G46322	0.053
2	G46323	0.069
3	G46324	0.055
5	G46326	0.077
9	G46330	0.064
12	G46333	0.050
15	G46336	0.055
17	G46338	0.059
18	G46339	0.098
20	G46342	0.059
24	G46346	0.124
25	G46347	0.085
26	G46348	0.056
27	G46349	0.089
28	G46350	0.064
31	G46353	0.078
33	G46355	0.066
34	G46356	0.053
40	G46363	0.102
44	G46367	0.057
46	G46369	0.054
47	G46370	0.063
48	G46371	0.058
49	G46372	0.090
50	G46373	0.071

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-361 2-May-07

ET #.	Tag #	Mo (%)
51	G46374	0.066
53	G46376	0.052
55	G46378	0.101
56	G46379	0.050
59	G46383	0.082
60	G46384	0.052
62	G46386	0.063
63	G46387	0.053
64	G46388	0.071
66	G46390	0.064
68	G46392	0.053
69	G46393	0.074
70	G46394	0.075
71	G46395	0.078
72	G46396	0.111
73	G46397	0.110
74	G46398	0.087

QC DATA:

Repeat:

1	G46322	0.053
20	G46342	0.059
25	G46347	0.081
44	G46367	0.056
56	G46379	0.048
68	G46392	0.054
70	G46394	0.073

Standard:

MP2	0.282
MP2	0.285
MP2	0.280
MP2	0.279
MP2	0.286
MP2	0.283

JJ/sa
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007- 361

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 74
Sample Type: Core
Project: CHU
Shipment #: 41
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G46322	0.7	1.03	<5	50	<5	0.64	<1	19	59	773	0.08	4.55	<10	0.97	315	508	0.051	0.08	6	650	6	<5	<20	72	0.17	<10	105	<10	17	85
2	G46323	0.5	1.41	<5	45	<5	1.00	<1	23	56	788	0.08	5.40	<10	1.48	456	686	0.069	0.08	5	600	4	<5	<20	77	0.19	<10	118	<10	13	74
3	G46324	0.6	1.18	<5	45	<5	1.47	1	30	76	1090	0.11	6.68	<10	1.21	338	554	0.055	0.07	7	620	<2	<5	<20	68	0.15	<10	92	<10	10	62
4	G46325	<0.2	0.02	10	20	<5	>10	<1	2	5	4	0.00	0.10	<10	>10	79	<1	0.000	<0.01	<1	490	<2	30	<20	103	<0.01	<10	2	<10	2	7
5	G46326	0.2	0.47	<5	50	<5	0.70	<1	10	83	276	0.03	2.39	10	0.38	177	793	0.079	0.05	5	870	8	<5	<20	48	0.09	<10	32	<10	8	28
6	G46327	<0.2	2.19	10	100	30	3.09	<1	31	160	121	0.01	4.96	<10	1.89	496	146	0.015	0.18	65	1430	6	<5	<20	259	0.13	<10	143	<10	7	43
7	G46328	<0.2	2.52	<5	175	<5	3.27	1	35	173	53	0.01	5.72	<10	2.23	485	<1	0.000	0.22	66	1850	4	<5	<20	216	0.15	<10	174	<10	5	49
8	G46329	<0.2	2.63	5	190	5	3.28	<1	34	174	44	0.00	5.81	<10	2.40	566	<1	0.000	0.22	75	1780	10	<5	<20	178	0.13	<10	174	<10	6	52
9	G46330	0.2	0.72	<5	125	<5	1.36	<1	8	19	130	0.01	2.69	20	0.45	634	655	0.066	0.04	15	740	12	<5	<20	124	0.02	<10	33	<10	18	75
10	G46331	<0.2	2.20	5	110	<5	3.59	<1	29	188	59	0.01	4.68	<10	2.18	576	71	0.007	0.15	87	1320	8	<5	<20	150	0.06	<10	130	<10	5	43
11	G46332	0.2	0.40	<5	35	<5	1.97	<1	8	95	160	0.02	2.51	10	0.16	207	98	0.010	0.05	5	830	4	<5	<20	90	<0.01	<10	16	<10	5	29
12	G46333	0.2	0.45	<5	45	<5	0.96	<1	9	81	261	0.03	2.31	10	0.32	189	532	0.053	0.04	5	710	4	<5	<20	39	0.05	<10	24	<10	5	26
13	G46334	0.2	0.42	<5	35	<5	3.31	<1	9	74	270	0.03	3.16	<10	0.17	302	196	0.020	0.05	5	760	10	<5	<20	76	<0.01	<10	9	<10	1	28
14	G46335	0.2	0.53	<5	50	<5	1.31	<1	9	77	242	0.02	2.32	20	0.25	206	127	0.013	0.03	6	940	4	<5	<20	45	0.02	<10	18	<10	5	31
15	G46336	0.3	0.50	<5	45	<5	1.43	<1	8	109	246	0.02	2.28	20	0.23	212	572	0.057	0.03	6	820	4	<5	<20	47	0.02	<10	18	<10	5	34
16	G46337	0.2	0.48	<5	40	<5	0.83	<1	9	81	247	0.02	2.23	20	0.31	181	345	0.035	0.04	5	770	<2	<5	<20	39	0.05	<10	23	<10	5	23
17	G46338	<0.2	0.38	<5	55	<5	0.65	<1	8	120	211	0.02	2.06	10	0.24	194	631	0.063	0.05	6	570	2	<5	<20	30	0.05	<10	20	<10	4	17
18	G46339	0.2	0.42	<5	40	<5	0.83	<1	9	100	221	0.02	2.12	<10	0.31	234	962	0.096	0.04	5	790	4	<5	<20	35	0.07	<10	22	<10	5	25
19	G46341	0.5	0.55	<5	40	<5	1.08	<1	18	84	454	0.05	3.82	10	0.44	256	391	0.039	0.05	6	710	4	<5	<20	43	0.08	<10	35	<10	5	37
20	G46342	0.4	0.47	<5	30	<5	0.94	<1	13	67	409	0.04	3.58	10	0.36	250	610	0.061	0.04	6	790	4	<5	<20	38	0.06	<10	31	<10	4	30
21	G46343	0.2	0.40	<5	40	<5	0.80	<1	10	116	218	0.02	2.20	10	0.28	260	347	0.035	0.04	5	830	6	<5	<20	36	0.07	<10	24	<10	7	27
22	G46344	0.2	0.39	<5	45	<5	0.78	<1	10	70	241	0.02	2.23	<10	0.32	206	222	0.022	0.04	4	840	6	<5	<20	32	0.07	<10	24	<10	7	29
23	G46345	<0.2	0.03	10	15	<5	>10	<1	<1	5	4	0.00	0.09	<10	>10	74	<1	0.000	<0.01	<1	420	<2	35	<20	115	<0.01	<10	3	<10	<1	6
24	G46346	0.3	0.39	<5	45	<5	1.03	<1	10	77	246	0.02	2.55	<10	0.25	227	1206	0.121	0.03	4	740	4	<5	<20	36	0.05	<10	20	<10	3	24
25	G46347	0.3	0.86	10	35	<5	1.38	<1	11	77	284	0.03	3.28	10	0.42	198	848	0.085	0.02	5	910	8	<5	<20	42	<0.01	<10	9	<10	<1	31
26	G46348	0.2	0.95	10	50	<5	2.96	<1	11	80	295	0.03	3.00	20	0.33	330	568	0.057	0.03	5	1160	12	<5	<20	93	<0.01	<10	13	<10	6	40
27	G46349	0.2	0.70	<5	45	<5	2.99	<1	10	43	308	0.03	2.99	10	0.23	336	860	0.086	0.03	6	1110	10	<5	<20	71	<0.01	<10	8	<10	5	39
28	G46350	0.2	0.71	<5	130	<5	1.38	<1	8	19	126	0.01	2.75	20	0.44	652	632	0.063	0.03	17	780	12	<5	<20	120	0.02	<10	33	<10	18	81
29	G46351	0.2	0.66	<5	45	<5	2.57	<1	10	40	271	0.03	2.79	10	0.26	268	222	0.022	0.02	3	1050	12	<5	<20	91	<0.01	<10	7	<10	6	33
30	G46352	0.2	0.58	<5	40	<5	3.47	<1	10	58	274	0.03	3.11	<10	0.20	377	132	0.013	0.03	5	1110	10	<5	<20	129	<0.01	<10	9	<10	6	43

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 361** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G46353	0.2	0.40	10	30	<5	2.95	<1	12	71	262	0.03	3.23	10	0.23	403	851	0.085	0.03	4	950	8	<5	<20	107	0.02	<10	14	<10	5	31
32	G46354	0.3	0.46	<5	25	<5	1.42	<1	11	116	304	0.03	3.04	10	0.35	229	286	0.029	0.04	6	830	6	<5	<20	61	0.05	<10	28	<10	7	42
33	G46355	0.4	0.71	10	35	<5	3.08	2	15	62	450	0.05	4.28	10	0.49	401	662	0.066	0.03	7	1010	12	<5	<20	106	0.02	<10	35	<10	10	250

34	G46356	0.4	0.47	20	35	<5	3.11	<1	17	125	374	0.04	4.20	<10	0.22	399	533	0.053	0.02	8	830	8	<5	<20	53	0.02	<10	16	<10	2	85
35	G46357	0.4	0.88	<5	35	<5	1.08	<1	29	46	724	0.07	6.16	<10	0.86	289	368	0.037	0.04	8	750	8	<5	<20	59	0.19	<10	106	<10	14	64
36	G46358	0.4	0.71	<5	40	<5	0.58	<1	26	76	613	0.06	5.89	<10	0.68	220	185	0.019	0.05	7	720	10	<5	<20	21	0.18	<10	81	<10	14	57
37	G46359	0.3	0.39	<5	35	<5	1.03	<1	13	94	245	0.02	2.71	<10	0.30	263	214	0.021	0.04	7	960	6	<5	<20	54	0.08	<10	30	<10	9	29
38	G46361	0.3	0.56	<5	35	<5	1.25	<1	17	57	372	0.04	3.91	<10	0.51	248	268	0.027	0.05	5	930	6	<5	<20	59	0.11	<10	47	<10	10	43
39	G46362	0.4	0.75	<5	35	<5	0.84	<1	22	71	456	0.05	4.70	<10	0.73	277	409	0.041	0.06	6	850	10	<5	<20	35	0.17	<10	76	<10	11	60
40	G46363	0.4	0.61	5	40	<5	2.42	1	28	58	558	0.06	4.80	<10	0.54	302	994	0.099	0.05	7	980	4	<5	<20	37	0.13	<10	58	<10	6	42
41	G46364	0.4	1.01	15	50	<5	1.91	<1	24	79	642	0.06	5.79	<10	1.07	404	295	0.029	0.06	7	620	14	<5	<20	25	0.23	<10	128	<10	19	74
42	G46365	<0.2	0.03	5	15	<5	>10	<1	<1	5	8	0.00	0.10	<10	>10	76	1	0.000	<0.01	<1	410	<2	35	<20	101	<0.01	<10	3	<10	3	7
43	G46366	0.4	0.98	<5	40	<5	1.63	<1	29	81	675	0.07	6.06	<10	1.05	377	209	0.021	0.06	7	630	14	<5	<20	27	0.22	<10	120	<10	19	79
44	G46367	0.4	0.66	<5	30	<5	1.54	1	18	81	578	0.06	4.96	<10	0.56	322	549	0.055	0.03	8	410	10	<5	<20	21	0.09	<10	64	<10	11	66
45	G46368	0.4	0.59	5	40	<5	0.77	<1	11	80	280	0.03	2.83	<10	0.47	225	399	0.040	0.04	5	510	10	<5	<20	16	0.08	<10	53	<10	13	48
46	G46369	0.5	0.68	<5	35	<5	1.42	<1	14	78	374	0.04	3.59	<10	0.53	316	536	0.054	0.04	7	510	10	<5	<20	24	0.08	<10	55	<10	9	46
47	G46370	0.2	0.67	<5	120	<5	1.44	1	8	19	114	0.01	2.68	10	0.41	672	641	0.064	0.03	18	810	12	<5	<20	105	0.02	<10	33	<10	16	94
48	G46371	1.0	0.86	<5	30	<5	1.07	<1	24	110	902	0.09	5.09	<10	0.33	347	565	0.057	0.06	9	470	8	<5	<20	30	0.05	<10	40	<10	8	45
49	G46372	0.7	0.46	10	35	<5	0.93	<1	17	102	563	0.06	3.84	<10	0.28	249	886	0.089	0.03	8	510	8	<5	<20	20	0.04	<10	39	<10	10	54
50	G46373	0.4	0.40	<5	35	<5	1.26	<1	13	73	445	0.04	3.47	<10	0.24	216	711	0.071	0.03	7	560	8	<5	<20	21	0.03	<10	35	<10	10	40
51	G46374	0.3	0.42	<5	30	<5	1.00	<1	12	77	356	0.04	3.01	<10	0.26	172	656	0.066	0.03	6	720	10	<5	<20	23	0.04	<10	30	<10	9	35
52	G46375	0.2	0.52	<5	40	<5	0.73	<1	9	78	194	0.02	2.68	<10	0.38	176	225	0.023	0.04	6	980	10	<5	<20	30	0.07	<10	34	<10	8	34
53	G46376	0.4	0.89	<5	35	<5	1.09	<1	17	196	519	0.05	4.33	<10	0.86	252	554	0.055	0.06	64	560	8	<5	<20	29	0.13	<10	157	<10	15	51
54	G46377	0.3	0.72	10	40	<5	0.77	<1	14	97	311	0.03	3.47	<10	0.66	183	352	0.035	0.05	38	790	10	<5	<20	21	0.11	<10	118	<10	14	34
55	G46378	0.4	1.12	25	45	<5	0.94	<1	19	180	445	0.04	4.73	<10	1.13	228	1022	0.102	0.05	101	360	12	<5	<20	20	0.15	<10	240	<10	16	39
56	G46379	0.4	0.60	25	35	<5	1.88	<1	17	118	416	0.04	4.08	<10	0.35	215	498	0.050	0.03	45	660	14	<5	<20	27	0.02	<10	53	<10	8	46
57	G46381	0.6	0.78	<5	30	<5	1.26	<1	20	128	589	0.06	4.70	<10	0.74	264	291	0.029	0.05	11	690	8	<5	<20	21	0.09	<10	83	<10	14	54
58	G46382	0.4	0.56	5	40	<5	1.18	<1	16	79	485	0.05	4.15	<10	0.47	190	289	0.029	0.04	11	640	8	<5	<20	20	0.07	<10	59	<10	14	42
59	G46383	0.4	0.50	5	25	<5	0.78	<1	20	97	453	0.05	3.78	<10	0.36	154	840	0.084	0.04	11	470	6	<5	<20	13	0.04	<10	41	<10	10	33
60	G46384	0.4	0.39	<5	30	<5	1.71	<1	19	100	504	0.05	3.91	<10	0.36	211	535	0.053	0.04	11	490	10	<5	<20	42	0.03	<10	35	<10	12	41
61	G46385	<0.2	0.04	15	10	<5	>10	<1	<1	4	7	0.00	0.10	<10	>10	68	1	0.000	<0.01	1	380	<2	40	<20	112	<0.01	<10	4	<10	2	6
62	G46386	0.2	0.65	<5	30	<5	2.21	<1	14	114	392	0.04	4.04	<10	0.65	334	639	0.064	0.05	42	510	14	<5	<20	34	0.06	<10	90	<10	9	68
63	G46387	0.2	1.11	<5	55	<5	0.68	<1	14	158	265	0.03	3.62	<10	1.19	254	560	0.056	0.05	43	490	10	<5	<20	13	0.18	<10	176	<10	17	45
64	G46388	0.2	0.67	<5	35	<5	0.67	<1	19	105	237	0.02	3.97	<10	0.67	183	700	0.070	0.04	22	820	10	<5	<20	17	0.09	<10	87	<10	11	36
65	G46389	0.3	0.82	5	40	<5	1.33	<1	17	124	384	0.04	4.36	<10	0.85	230	384	0.038	0.04	40	730	14	<5	<20	34	0.09	<10	123	<10	12	48
66	G46390	0.2	0.68	<5	135	<5	1.49	<1	8	20	115	0.01	2.57	10	0.42	690	648	0.065	0.03	20	870	16	<5	<20	108	0.02	<10	34	<10	17	80
67	G46391	0.3	0.96	5	40	<5	1.05	<1	14	166	306	0.03	3.80	<10	0.97	256	412	0.041	0.05	45	530	12	<5	<20	24	0.10	<10	140	<10	11	52
68	G46392	0.2	0.76	5	30	<5	1.08	<1	16	115	236	0.02	4.13	<10	0.78	193	561	0.056	0.03	35	780	10	<5	<20	32	0.07	<10	95	<10	11	41
69	G46393	0.2	0.74	30	35	<5	2.19	<1	15	131	295	0.03	3.98	<10	0.66	234	757	0.076	0.03	60	370	16	<5	<20	63	0.01	<10	58	<10	6	49
70	G46394	0.3	0.94	15	40	<5	0.86	<1	16	154	309	0.03	3.90	<10	0.92	214	749	0.075	0.04	59	550	12	<5	<20	21	0.11	<10	148	<10	13	45

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 361** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
71	G46395	0.3	1.04	10	45	<5	0.68	<1	15	149	349	0.03	3.80	<10	1.06	242	785	0.079	0.04	40	370	18	<5	<20	16	0.13	<10	154	<10	13	65
72	G46396	0.2	1.13	5	40	<5	0.60	<1	15	180	303	0.03	4.00	<10	1.11	248	944	0.094	0.05	44	420	16	<5	<20	17	0.16	<10	151	<10	13	57
73	G46397	0.2	0.93	15	45	<5	0.95	<1	12	173	210	0.02	3.34	<10	0.88	239	954	0.095	0.03	43	460	16	<5	<20	18	0.11	<10	128	<10	12	49
74	G46398	0.4	0.92	20	30	<5	1.48	<1	14	140	383	0.04	4.33	<10	0.86	245	795	0.080	0.03	55	500	20	<5	<20	35	0.06	<10	92	<10	7	79

QC DATA:

Repeat:

1	G46322	0.6	0.97	<5	40	<5	0.67	2	18	60	717		4.66	<10	0.92	322	520		0.07	7	650	4	<5	<20	63	0.17	<10	104	<10	15	91
10	G46331	<0.2	2.19	<5	105	<5	3.61	<1	30	190	56		4.75	<10	2.18	578	77		0.15	90	1340	10	<5	<20	150	0.06	<10	131	<10	5	44
19	G46341	0.5	0.52	<5	35	<5	1.10	<1	18	87	432		3.88	<10	0.40	267	397		0.05	6	730	6	<5	<20	39	0.07	<10	34	<10	5	39

36	G46358	0.4	0.74	<5	35	<5	0.63	<1	28	86	624	6.11	<10	0.70	232	201	0.05	8	750	10	<5	<20	23	0.20	<10	85	<10	17	58
45	G46368	0.4	0.65	5	40	<5	0.79	<1	11	88	320	2.91	<10	0.55	239	432	0.05	5	490	8	<5	<20	21	0.08	<10	58	<10	15	41
54	G46377	0.3	0.69	5	35	<5	0.81	<1	14	100	302	3.52	<10	0.64	184	393	0.05	40	820	10	<5	<20	19	0.12	<10	119	<10	15	36
71	G46395	0.3	1.07	10	45	<5	0.69	<1	15	154	353	3.87	<10	1.08	243	834	0.04	42	360	14	<5	<20	17	0.13	<10	156	<10	13	63
Resplit:																													
1	G46322	0.6	0.93	<5	40	<5	0.67	<1	18	67	691	4.72	<10	0.90	335	498	0.07	5	700	8	<5	<20	57	0.17	<10	104	<10	15	90
36	G46358	0.4	0.76	<5	35	<5	0.64	<1	30	69	619	6.06	<10	0.74	241	206	0.05	7	810	12	<5	<20	27	0.21	<10	90	<10	18	63
71	G46395	0.2	1.05	5	40	<5	0.65	<1	16	152	334	3.92	<10	1.06	237	826	0.04	41	370	14	<5	<20	15	0.14	<10	155	<10	13	57
Standard:																													
PB116		11.0	0.22	5	140	<5	0.90	14	3	3	2158	0.87	<10	0.06	247	27	0.01	3	180	7108	20	<20	178	<0.01	<10	8	<10	<1	4305
PB116		11.3	0.22	5	135	<5	0.90	12	3	3	2100	0.91	<10	0.06	239	28	0.02	3	170	7010	20	<20	176	<0.01	<10	8	<10	<1	4195
PB116		11.6	0.25	5	135	<5	0.91	11	3	2	2051	0.84	<10	0.06	246	30	0.01	2	170	7084	20	<20	169	<0.01	<10	8	<10	<1	4165

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kk
df/362
XLS/06

CERTIFICATE OF ASSAY AK 2007-356

TTM Resources 2-May-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 50
Sample Type: Core
Project: CHU
Shipment #: 45
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
1	G46613	0.080
2	G46614	0.174
3	G46615	0.075
4	G46616	0.105
5	G46617	0.076
6	G46618	0.094
8	G46621	0.192
9	G46622	0.209
10	G46623	0.053
11	G46624	0.051
13	G46626	0.062
16	G46629	0.097
17	G46630	0.064
22	G46635	0.125
23	G46636	0.134
24	G46637	0.097
25	G46638	0.131
26	G46639	0.072
27	G46641	0.124
28	G46642	0.111
29	G46643	0.097
30	G46644	0.138
32	G46646	0.064
34	G46648	0.118

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-356 2-May-07

ET #.	Tag #	Mo (%)
36	G46650	0.063
37	G46651	0.151
38	G46652	0.326
39	G46653	0.081
40	G46654	0.116
41	G46655	0.053
42	G46656	0.081
43	G46657	0.074
44	G46658	0.062
45	G46659	0.114
46	G46661	0.080
47	G46662	0.172
48	G46663	0.049

QC DATA:

Repeat:

1	G46613	0.077
10	G46623	0.052
26	G46639	0.073
40	G46654	0.116

Standard:

MP2	0.279
MP2	0.285
MP2	0.280

JJ/sa
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

1-May-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007- 356

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 50
Sample Type: Core
Project: CHU
Shipment #: 45
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G46613	<0.2	1.15	<5	80	<5	1.26	<1	15	112	217	0.02	3.15	<10	0.96	359	774	0.077	0.03	36	320	6	<5	<20	52	0.12	<10	124	<10	12	56
2	G46614	0.2	1.35	5	45	<5	1.12	<1	15	166	365	0.04	3.87	<10	1.06	298	1679	0.168	0.03	49	380	<2	<5	<20	49	0.13	<10	138	<10	9	51
3	G46615	0.3	1.19	25	60	<5	2.27	<1	13	89	302	0.03	3.20	<10	0.80	323	743	0.074	0.02	44	270	4	<5	<20	75	0.06	<10	92	<10	9	40
4	G46616	0.2	1.01	<5	70	<5	1.57	1	15	174	271	0.03	3.38	<10	1.02	256	1097	0.110	0.05	47	290	4	<5	<20	47	0.12	<10	143	<10	12	48
5	G46617	0.2	1.17	<5	85	<5	1.64	<1	14	165	242	0.02	3.24	<10	1.08	289	746	0.075	0.04	41	410	8	<5	<20	53	0.12	<10	124	<10	15	53
6	G46618	<0.2	1.18	<5	80	<5	0.83	<1	13	174	235	0.02	3.20	<10	1.12	274	922	0.092	0.04	44	440	4	<5	<20	34	0.15	<10	170	<10	13	51
7	G46619	0.2	1.08	5	80	<5	1.60	<1	13	112	310	0.03	3.04	<10	0.84	250	494	0.049	0.03	35	520	6	<5	<20	64	0.08	<10	99	<10	11	52
8	G46621	0.2	1.13	10	70	<5	2.52	<1	14	133	274	0.03	3.31	<10	0.84	283	1877	0.188	0.04	45	410	8	5	<20	62	0.07	<10	107	<10	5	44
9	G46622	<0.2	1.12	10	75	<5	2.83	<1	11	120	261	0.03	2.79	<10	0.88	341	2079	0.208	0.05	35	440	4	<5	<20	76	0.07	<10	103	<10	8	55
10	G46623	<0.2	0.99	5	70	<5	2.41	<1	9	102	200	0.02	2.49	10	0.63	227	521	0.052	0.03	22	710	6	<5	<20	76	0.04	<10	61	<10	12	38
11	G46624	0.2	0.96	<5	75	<5	1.90	<1	12	109	213	0.02	3.00	<10	0.78	233	507	0.051	0.04	34	710	6	5	<20	50	0.08	<10	104	<10	13	49
12	G46625	<0.2	0.04	10	15	<5	>10	1	<1	4	7	0.00	0.09	<10	>10	74	3	0.000	<0.01	<1	410	<2	40	<20	117	<0.01	<10	4	<10	2	6
13	G46626	<0.2	1.10	<5	80	<5	2.63	<1	14	92	142	0.01	3.03	<10	0.93	349	629	0.063	0.03	33	720	4	<5	<20	57	0.10	<10	106	<10	11	48
14	G46627	<0.2	0.69	<5	85	<5	1.99	<1	9	46	123	0.01	2.41	10	0.56	325	152	0.015	0.05	7	1230	4	<5	<20	57	0.06	<10	42	<10	11	33
15	G46628	<0.2	0.64	<5	80	<5	0.79	<1	7	113	147	0.01	2.07	10	0.42	198	143	0.014	0.05	6	920	6	<5	<20	47	0.06	<10	33	<10	11	34
16	G46629	0.2	0.58	<5	60	<5	1.00	<1	8	80	172	0.02	2.38	10	0.34	155	963	0.096	0.03	8	760	6	<5	<20	44	0.02	<10	24	<10	8	26
17	G46630	0.2	0.66	<5	125	<5	1.40	<1	7	19	113	0.01	2.68	20	0.44	646	638	0.064	0.04	16	770	14	<5	<20	103	0.02	<10	32	<10	18	92
18	G46631	<0.2	0.91	<5	60	<5	1.21	<1	10	73	178	0.02	3.12	10	0.50	177	357	0.036	0.03	11	930	4	<5	<20	62	0.04	<10	34	<10	11	34
19	G46632	0.2	0.71	<5	65	<5	0.95	<1	8	70	199	0.02	2.40	10	0.42	183	302	0.030	0.04	8	910	2	<5	<20	52	0.04	<10	31	<10	9	30
20	G46633	0.2	0.81	<5	75	<5	1.33	<1	16	80	186	0.02	2.97	10	0.45	190	380	0.038	0.03	6	930	4	<5	<20	56	0.04	<10	32	<10	9	33
21	G46634	0.3	0.61	<5	70	20	0.95	<1	10	94	201	0.02	3.09	10	0.45	213	370	0.037	0.04	10	920	6	<5	<20	41	0.06	<10	42	<10	8	39
22	G46635	0.3	1.11	10	80	<5	2.67	1	11	118	190	0.02	3.20	<10	0.64	298	1258	0.126	0.02	31	750	12	5	<20	65	0.04	<10	63	<10	11	55
23	G46636	0.2	1.38	10	70	<5	2.78	<1	16	137	278	0.03	4.60	<10	0.87	265	1350	0.135	0.03	46	500	12	<5	<20	67	0.07	<10	107	<10	11	58
24	G46637	0.5	0.56	<5	55	<5	0.73	<1	14	218	708	0.07	4.10	<10	0.32	162	1005	0.101	0.04	15	350	4	<5	<20	31	0.04	<10	39	<10	<1	39
25	G46638	0.2	0.71	<5	70	<5	0.67	<1	12	160	203	0.02	2.99	<10	0.54	207	1342	0.134	0.03	24	480	10	<5	<20	42	0.09	<10	74	<10	10	46

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G46639	0.3	0.69	<5	75	<5	1.08	<1	13	123	242	0.02	3.28	<10	0.51	230	756	0.076	0.04	18	670	10	<5	<20	59	0.09	<10	66	<10	10	49
27	G46641	0.6	0.88	<5	60	<5	0.64	<1	18	137	873	0.09	5.19	<10	0.75	264	1241	0.124	0.05	33	420	10	<5	<20	79	0.13	<10	105	<10	9	69
28	G46642	<0.2	0.95	<5	90	<5	0.47	<1	16	165	211	0.02	3.70	<10	0.89	308	1193	0.119	0.06	44	370	14	<5	<20	45	0.18	<10	155	<10	17	87

29	G46643	0.2	1.05	<5	90	<5	0.67	<1	17	136	214	0.02	3.76	<10	1.00	291	1050	0.105	0.05	50	400	10	<5	<20	82	0.18	<10	175	<10	14	76
30	G46644	0.2	0.89	<5	80	<5	0.40	<1	16	162	271	0.03	3.60	<10	0.89	280	1449	0.145	0.05	44	410	8	<5	<20	38	0.14	<10	152	<10	14	80
31	G46645	<0.2	0.04	10	20	<5	>10	<1	<1	4	3	0.00	0.10	<10	>10	81	<1	0.000	<0.01	<1	450	<2	35	<20	98	<0.01	<10	3	<10	1	6
32	G46646	0.3	0.48	<5	75	<5	0.42	<1	11	130	338	0.03	2.83	<10	0.40	192	683	0.068	0.04	18	470	8	<5	<20	35	0.06	<10	52	<10	7	48
33	G46647	0.2	0.41	<5	75	<5	0.69	<1	11	111	238	0.02	2.58	<10	0.24	154	434	0.043	0.03	9	680	10	<5	<20	23	0.05	<10	25	<10	8	40
34	G46648	0.2	0.38	<5	70	<5	0.67	<1	10	83	200	0.02	2.52	<10	0.18	126	1191	0.119	0.03	6	530	8	<5	<20	30	0.05	<10	19	<10	5	35
35	G46649	0.2	0.33	<5	75	<5	0.60	<1	10	165	271	0.03	2.94	<10	0.18	133	414	0.041	0.04	10	570	8	<5	<20	27	0.05	<10	19	<10	6	35
36	G46650	0.2	0.65	<5	90	<5	1.20	<1	7	19	102	0.01	2.75	10	0.47	674	627	0.063	0.03	17	780	14	<5	<20	107	0.02	<10	31	<10	17	101
37	G46651	0.3	0.60	<5	70	<5	0.63	<1	12	133	285	0.03	3.50	<10	0.48	216	1468	0.147	0.06	22	610	10	<5	<20	36	0.10	<10	71	<10	11	56
38	G46652	0.2	0.72	10	90	<5	0.30	<1	15	98	189	0.02	3.26	<10	0.72	268	3126	0.313	0.04	41	430	14	<5	<20	33	0.13	<10	167	<10	11	84
39	G46653	0.3	0.53	<5	80	<5	0.57	<1	14	97	284	0.03	3.08	<10	0.54	268	812	0.081	0.04	9	650	8	<5	<20	40	0.07	<10	60	<10	7	64
40	G46654	0.5	0.63	<5	55	<5	0.73	<1	16	115	541	0.05	4.65	<10	0.48	297	1154	0.115	0.05	23	570	6	<5	<20	48	0.10	<10	63	<10	6	64
41	G46655	0.3	0.50	<5	60	<5	0.66	<1	13	79	360	0.04	3.49	<10	0.30	188	550	0.055	0.03	5	590	6	<5	<20	60	0.06	<10	34	<10	5	61
42	G46656	<0.2	0.54	<5	75	<5	0.77	<1	10	91	247	0.02	2.61	<10	0.33	196	772	0.077	0.04	5	780	6	<5	<20	53	0.07	<10	32	<10	8	44
43	G46657	<0.2	0.43	<5	70	<5	0.63	<1	8	85	187	0.02	2.32	<10	0.25	155	784	0.078	0.04	5	690	8	<5	<20	34	0.05	<10	25	<10	7	33
44	G46658	0.4	0.47	<5	50	<5	0.73	<1	17	101	527	0.05	4.59	<10	0.22	183	584	0.058	0.04	5	620	4	<5	<20	50	0.05	<10	29	<10	3	41
45	G46659	0.2	0.37	<5	90	<5	0.49	<1	10	75	159	0.02	2.41	<10	0.24	163	1075	0.108	0.03	4	680	8	<5	<20	37	0.06	<10	26	<10	6	43
46	G46661	0.3	0.48	<5	65	<5	0.83	<1	13	106	163	0.02	3.18	<10	0.28	163	769	0.077	0.03	6	810	10	<5	<20	38	0.07	<10	28	<10	6	39
47	G46662	0.3	0.36	5	50	<5	0.64	<1	12	101	144	0.01	3.48	<10	0.19	126	1673	0.167	0.02	3	540	10	<5	<20	27	0.04	<10	18	<10	<1	30
48	G46663	<0.2	0.46	<5	80	<5	0.71	<1	9	123	130	0.01	2.57	<10	0.27	177	511	0.051	0.04	6	790	6	<5	<20	29	0.07	<10	30	<10	7	50
49	G46664	0.2	0.43	<5	70	<5	0.68	<1	9	95	187	0.02	2.83	<10	0.25	162	245	0.025	0.03	4	690	4	<5	<20	26	0.06	<10	29	<10	6	41
50	G46665	<0.2	0.47	<5	65	<5	0.73	<1	8	100	94	0.01	2.50	<10	0.30	147	370	0.037	0.03	7	760	8	<5	<20	51	0.05	<10	26	<10	7	31

QC DATA:

Repeat:

1	G46613	0.2	1.26	5	85	<5	1.28	1	16	114	232		3.21	<10	1.01	371	828		0.03	37	340	4	<5	<20	67	0.13	<10	134	<10	13	52
10	G46623	<0.2	0.95	<5	65	<5	2.47	<1	9	104	189		2.53	10	0.61	231	530		0.03	25	690	4	5	<20	70	0.04	<10	61	<10	10	39
19	G46632	0.2	0.62	<5	60	<5	1.01	<1	8	74	181		2.54	<10	0.37	191	307		0.03	6	940	4	<5	<20	43	0.04	<10	30	<10	10	35
37	G46651	0.2	0.61	<5	80	<5	0.64	<1	13	137	297		3.62	<10	0.50	223	1527		0.05	25	600	12	<5	<20	37	0.10	<10	74	<10	12	57

Resplit:

1	G46613	0.2	1.11	5	75	<5	1.22	<1	16	124	208		3.33	<10	0.83	384	804		0.02	41	350	8	<5	<20	60	0.14	<10	126	<10	15	62
37	G46651	0.2	0.63	<5	85	<5	0.60	<1	12	122	305		3.42	<10	0.55	226	1555		0.05	23	620	10	<5	<20	41	0.11	<10	79	<10	10	56

Standard:

Pb116		10.8	0.25	<5	140	<5	0.84	11	3	4	2099		0.85	<10	0.07	240	25		0.02	3	180	7036	25	<20	187	<0.01	<10	7	10	<1	4194
Pb116		11.7	0.28	5	145	<5	0.84	11	3	3	2116		0.86	<10	0.06	249	30		0.02	3	170	7008	20	<20	170	<0.01	<10	7	10	<1	4257

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

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1-May-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 2007- 355

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 38
Sample Type: Core
Project: CHU
Shipment #: 46
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45920	0.3	0.60	<5	60	<5	0.67	<1	11	100	351	0.04	3.14	<10	0.43	191	271	0.027	0.08	5	420	12	<5	<20	21	0.07	<10	32	<10	9	25
2	G45940	0.6	1.02	<5	90	<5	0.48	1	16	62	558	0.06	4.18	<10	0.81	304	387	0.039	0.12	5	1010	16	<5	<20	19	0.11	<10	78	<10	18	81
3	G45960	0.6	1.27	10	90	<5	0.59	<1	19	64	559	0.06	4.23	<10	1.13	436	555	0.056	0.13	5	880	20	<5	<20	24	0.12	<10	80	<10	14	62
4	G45980	0.3	1.28	<5	105	<5	0.44	<1	19	75	517	0.05	4.24	<10	1.06	297	651	0.065	0.13	7	890	20	<5	<20	37	0.14	<10	96	10	19	64
5	G46000	<0.2	0.93	<5	175	<5	0.87	<1	12	63	21	0.00	2.67	<10	0.80	361	<1	0.000	0.09	8	1440	14	<5	<20	42	0.16	<10	76	<10	6	43
6	G46020	0.8	1.04	<5	65	<5	0.91	<1	24	18	1119	0.11	6.15	<10	0.89	297	427	0.043	0.04	9	540	10	<5	<20	51	0.08	10	107	<10	<1	47
7	G46040	0.2	1.48	10	70	<5	2.05	<1	11	30	197	0.02	2.87	20	1.07	324	266	0.027	0.03	8	1560	16	<5	<20	80	0.05	20	57	<10	12	47
8	G46060	0.2	1.31	5	75	<5	0.56	<1	13	131	208	0.02	3.00	<10	1.41	237	780	0.078	0.06	49	410	14	<5	<20	20	0.14	<10	182	<10	12	49
9	G46080	<0.2	1.34	<5	90	<5	0.36	1	14	136	194	0.02	3.20	<10	1.29	167	233	0.023	0.09	44	520	18	10	<20	28	0.14	<10	187	<10	15	31
10	G46100	3.8	1.30	10	70	<5	0.78	9	15	123	626	0.06	3.36	<10	1.13	250	439	0.044	0.05	42	320	218	<5	<20	19	0.11	<10	148	20	7	1094
11	G46120	0.4	0.60	5	45	<5	0.67	<1	13	50	248	0.02	3.00	<10	0.43	138	339	0.034	0.05	4	880	10	<5	<20	11	0.03	10	43	<10	10	26
12	G46140	1.0	0.99	25	80	<5	0.64	<1	21	66	777	0.08	5.34	<10	0.84	260	199	0.020	0.06	5	910	12	<5	<20	13	0.10	10	69	60	10	51
13	G46160	0.3	0.92	10	60	<5	1.54	<1	16	59	341	0.03	3.63	<10	0.72	258	338	0.034	0.06	5	980	14	<5	<20	21	0.07	<10	65	20	17	46
14	G46180	1.0	1.17	<5	70	<5	1.42	<1	17	68	767	0.08	4.63	<10	0.99	467	208	0.021	0.07	6	1070	16	<5	<20	32	0.08	<10	75	10	14	58
15	G46200	<0.2	1.14	5	95	<5	0.98	<1	14	140	130	0.01	2.82	10	1.22	187	517	0.052	0.07	28	830	18	<5	<20	52	0.11	<10	122	<10	20	26
16	G46220	0.2	1.01	<5	75	<5	0.38	<1	9	158	156	0.02	2.38	<10	1.07	176	706	0.071	0.06	36	310	12	<5	<20	33	0.09	<10	151	<10	8	28
17	G46240	0.3	0.43	<5	65	<5	0.57	<1	7	81	174	0.02	2.10	<10	0.27	104	131	0.013	0.07	4	650	8	<5	<20	30	0.02	<10	16	<10	6	14
18	G46260	0.4	0.65	<5	65	<5	0.98	<1	23	48	381	0.04	4.54	<10	0.42	288	17	0.002	0.09	7	820	8	<5	<20	26	0.11	<10	55	40	6	36
19	G46280	0.2	1.02	<5	65	<5	0.35	<1	9	65	193	0.02	2.55	<10	0.99	266	239	0.024	0.08	7	470	14	10	<20	22	0.10	30	75	<10	11	45
20	G46300	0.3	1.22	10	65	<5	1.29	<1	16	76	226	0.02	3.97	<10	1.06	262	388	0.039	0.09	8	730	12	<5	<20	57	0.09	10	103	<10	12	35
21	G46320	0.7	0.79	<5	60	<5	0.67	<1	26	67	857	0.09	5.09	<10	0.46	207	170	0.017	0.11	7	690	8	<5	<20	44	0.12	10	65	20	7	42
22	G46340	0.4	0.61	5	115	25	0.83	<1	10	157	231	0.02	2.09	10	0.33	232	643	0.064	0.11	6	810	10	<5	<20	60	0.08	<10	23	<10	8	19
23	G46360	0.4	0.48	<5	95	<5	0.77	<1	10	79	250	0.03	2.09	<10	0.36	187	211	0.021	0.07	5	900	10	<5	<20	64	0.07	<10	28	10	8	20
24	G46380	0.4	0.68	20	50	<5	1.17	<1	14	84	517	0.05	3.33	<10	0.41	172	1136	0.114	0.04	32	580	12	<5	<20	26	0.01	<10	40	<10	7	30
25	G46400	0.2	1.23	25	70	<5	1.36	<1	13	93	234	0.02	3.08	<10	1.23	213	730	0.073	0.03	51	430	18	<5	<20	42	0.09	<10	129	<10	12	40

ECO TECH LABORATORY LTD.

ICP CERTIFICATE OF ANALYSIS AK 2007- 355

TTM Resources

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G46420	0.3	0.84	10	65	<5	1.36	<1	11	99	336	0.03	2.82	<10	0.71	193	1525	0.153	0.03	30	410	12	<5	<20	62	0.07	<10	76	<10	7	34
27	G46440	0.6	0.82	<5	80	<5	0.36	1	20	59	789	0.08	4.96	<10	0.63	252	266	0.027	0.11	10	720	10	<5	<20	15	0.11	40	143	<10	11	45
28	G46460	0.6	1.30	<5	80	<5	0.64	<1	29	39	1024	0.10	6.78	<10	1.15	389	527	0.053	0.14	9	660	10	<5	<20	28	0.17	10	170	<10	2	65

29	G46480	0.4	1.51	10	90	<5	1.48	<1	23	38	682	0.07	4.82	<10	1.26	290	249	0.025	0.05	15	990	20	<5	<20	55	0.09	<10	136	<10	20	60
30	G46500	0.2	0.53	5	55	<5	0.71	<1	7	69	355	0.04	2.34	10	0.40	141	391	0.039	0.05	6	870	8	<5	<20	27	0.04	<10	28	<10	7	24
31	G46520	0.7	0.56	10	55	<5	1.37	<1	24	99	1274	0.13	5.17	<10	0.35	191	1083	0.108	0.05	10	390	6	<5	<20	29	0.03	20	47	<10	5	20
32	G46540	0.4	0.75	<5	65	<5	0.88	<1	10	78	497	0.05	3.17	10	0.71	198	296	0.030	0.05	10	1270	6	<5	<20	45	0.06	<10	47	<10	10	25
33	G46560	0.5	0.64	<5	60	<5	0.61	<1	15	90	571	0.06	3.06	<10	0.51	154	1012	0.101	0.06	7	490	10	<5	<20	21	0.07	20	50	<10	11	24
34	G46580	0.2	1.39	10	80	<5	0.89	<1	15	141	304	0.03	3.45	<10	1.26	229	1030	0.103	0.06	42	450	16	<5	<20	41	0.15	<10	147	<10	16	32
35	G46600	0.2	1.25	5	85	<5	0.40	1	13	148	312	0.03	3.40	<10	1.22	262	1408	0.141	0.07	54	370	12	<5	<20	65	0.13	10	164	<10	13	39
36	G46620	<0.2	1.15	5	80	<5	1.60	<1	12	141	271	0.03	2.83	<10	0.92	241	636	0.064	0.04	33	480	14	<5	<20	89	0.08	<10	92	<10	13	40
37	G46640	0.2	0.79	<5	75	<5	0.77	<1	9	104	402	0.04	2.81	<10	0.54	201	581	0.058	0.06	11	780	10	<5	<20	92	0.08	10	52	<10	9	28
38	G46660	0.2	0.58	<5	85	<5	0.44	<1	12	123	267	0.03	2.44	<10	0.35	169	1312	0.131	0.07	6	600	6	<5	<20	84	0.06	<10	29	<10	3	23

QC DATA:

Repeat:

1	G45920	0.3	0.64	<5	60	<5	0.68	<1	11	102	369		3.19	<10	0.45	200	262		0.09	6	430	10	<5	<20	19	0.07	<10	33	<10	8	25
10	G46100	3.7	1.27	15	70	<5	0.79	7	15	130	617		3.36	<10	1.09	237	434		0.05	39	340	216	<5	<20	19	0.13	10	146	20	8	1135
19	G46280	0.2	1.12	<5	70	<5	0.37	<1	10	71	213		2.72	<10	1.09	289	254		0.08	6	490	12	<5	<20	25	0.10	20	81	<10	13	44
36	G46620	0.2	1.10	5	80	<5	1.58	<1	11	138	260		2.78	<10	0.89	236	628		0.04	33	480	14	<5	<20	85	0.07	<10	89	<10	14	39

Resplit:

1	G45920	0.4	0.60	<5	60	<5	0.75	<1	11	90	365		3.18	<10	0.43	195	258		0.08	4	440	10	<5	<20	19	0.07	<10	34	<10	7	26
36	G46620	0.2	1.02	5	80	<5	1.52	<1	10	136	271		2.86	<10	0.89	238	623		0.03	29	470	10	<5	<20	79	0.08	<10	91	<10	10	36

Standard:

Pb116		11.4	0.26	5	130	<5	0.91	12	3	2	2122		0.82	<10	0.07	243	27		0.02	3	180	6910	20	<20	173	<0.01	<10	8	<10	1	4182
Pb116		10.7	0.24	5	135	<5	0.80	10	3	2	2147		0.76	<10	0.06	231	25		0.02	2	190	7026	20	<20	166	<0.01	<10	7	<10	1	4280

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sa
df/363
XLS/07

CERTIFICATE OF ASSAY AK 2007-0355

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

2-May-07

Attention: Ken MacDonald

No. of samples received: 38
Sample Type: Core
Project: CHU
Shipment #: 46
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
3	G45960	0.059
4	G45980	0.067
8	G46060	0.083
15	G46200	0.053
16	G46220	0.071
22	G46340	0.062
24	G46380	0.112
25	G46400	0.071
26	G46420	0.157
28	G46460	0.057
31	G46520	0.101
33	G46560	0.098
34	G46580	0.099
35	G46600	0.133
36	G46620	0.061
37	G46640	0.056
38	G46660	0.130

QC DATA:

Repeat:

3	G45960	0.060
28	G46460	0.056

Standard:

MP2		0.283
MP2		0.282
MP2		0.279

JJ/dc
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-315

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

27-Apr-07

Attention: Ken MacDonald

No. of samples received: 97
Sample Type: Core
Project: CHU
Shipment #: 39
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
2	G46142	0.065
3	G46143	0.049
6	G46146	0.053
8	G46148	0.069
10	G46150	0.063
21	G46162	0.051
27	G46168	0.054
28	G46169	0.065
29	G46170	0.063
30	G46171	0.100
31	G46172	0.086
35	G46176	0.100
44	G46186	0.051
48	G46190	0.063
49	G46191	0.059
51	G46193	0.067
52	G46194	0.050

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-315 27-Apr-07

ET #.	Tag #	Mo (%)
54	G46196	0.140
55	G46197	0.149
56	G46198	0.101
57	G46199	0.050
58	G46201	0.102
59	G46202	0.089
60	G46203	0.130
61	G46204	0.063
63	G46206	0.058
64	G46207	0.095
65	G46208	0.085
66	G46209	0.112
67	G46210	0.064
69	G46212	0.124
71	G46214	0.076
72	G46215	0.117
73	G46216	0.060
76	G46219	0.087
77	G46221	0.068
86	G46230	0.063
90	G46234	0.092

QC DATA:

Repeat:

2	G46142	0.064
30	G46171	0.104
51	G46193	0.068
64	G46207	0.096

Standard:

MP2	0.279
MP2	0.280
MP2	0.282
MP2	0.279
MP2	0.282
MP2	0.282

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/bp
XLS/07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007- 315

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 97
Sample Type: Core
Project: CHU
Shipment #: 39
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G46141	0.8	0.77	15	40	<5	1.51	<1	18	83	674	0.07	4.13	<10	0.56	235	271	0.027	0.08	4	940	10	<5	<20	25	0.06	<10	72	<10	18	39
2	G46142	1.1	0.39	30	40	<5	1.72	2	26	59	902	0.09	7.09	<10	0.39	417	688	0.069	0.05	7	630	30	<5	<20	36	0.01	<10	25	<10	<1	82
3	G46143	0.6	0.51	<5	40	<5	1.83	2	21	65	781	0.08	6.14	<10	0.45	398	514	0.051	0.07	7	740	10	<5	<20	47	0.04	<10	33	<10	6	48
4	G46144	1.0	0.73	<5	40	<5	1.21	<1	15	46	604	0.06	3.82	<10	0.61	293	300	0.030	0.05	4	920	12	<5	<20	26	0.08	<10	51	<10	26	64
5	G46145	<0.2	0.02	<5	10	<5	>10	<1	<1	5	10	0.00	0.08	<10	8.70	54	<1	0.000	<0.01	<1	290	<2	15	<20	100	0.03	<10	3	<10	1	7
6	G46146	0.5	0.77	<5	40	<5	0.70	<1	16	69	563	0.06	4.13	<10	0.67	252	555	0.056	0.09	3	900	8	<5	<20	17	0.12	<10	66	<10	14	52
7	G46147	0.5	0.76	<5	40	<5	1.10	1	18	60	622	0.06	4.36	<10	0.72	296	386	0.039	0.09	5	940	12	<5	<20	27	0.12	<10	69	<10	16	68
8	G46148	0.4	0.62	<5	40	<5	0.89	<1	16	81	465	0.05	3.88	<10	0.54	275	716	0.072	0.08	4	910	12	<5	<20	25	0.12	<10	58	<10	15	46
9	G46149	0.5	0.81	<5	45	<5	0.55	1	16	67	777	0.08	4.29	<10	0.80	274	415	0.042	0.11	5	950	10	<5	<20	22	0.12	<10	68	<10	13	61
10	G46150	0.2	0.65	<5	130	<5	1.31	<1	7	18	123	0.01	2.42	20	0.43	598	637	0.064	0.05	13	730	12	<5	<20	138	0.04	<10	30	<10	17	70
11	G46151	0.5	0.82	<5	55	<5	0.60	2	22	62	715	0.07	4.83	<10	0.76	273	460	0.046	0.10	9	860	10	15	<20	21	0.12	<10	72	<10	15	55
12	G46152	0.3	0.60	<5	45	<5	0.64	<1	11	70	296	0.03	2.47	<10	0.54	202	217	0.022	0.09	5	1030	10	<5	<20	29	0.10	<10	48	<10	14	37
13	G46153	0.2	0.44	<5	40	<5	0.58	<1	8	60	268	0.03	2.14	10	0.37	143	153	0.015	0.07	3	940	4	<5	<20	51	0.08	<10	33	<10	7	28
14	G46154	0.2	0.43	<5	45	<5	0.54	<1	7	80	230	0.02	1.95	10	0.35	139	190	0.019	0.07	4	930	6	<5	<20	37	0.07	<10	32	<10	9	23
15	G46155	0.3	0.41	<5	50	<5	0.64	<1	8	63	329	0.03	2.04	<10	0.31	143	150	0.015	0.06	4	860	10	<5	<20	48	0.07	<10	30	<10	9	26
16	G46156	0.2	0.45	<5	40	<5	0.67	<1	8	79	229	0.02	2.10	10	0.36	144	82	0.008	0.07	4	930	8	<5	<20	43	0.07	<10	33	<10	8	31
17	G46157	0.2	0.43	<5	35	<5	0.87	<1	9	56	235	0.02	2.24	10	0.36	184	190	0.019	0.05	4	1020	8	<5	<20	37	0.06	<10	32	<10	9	29
18	G46158	0.2	0.50	<5	40	<5	0.87	<1	9	81	200	0.02	2.34	<10	0.38	158	85	0.009	0.06	5	940	8	<5	<20	27	0.05	<10	38	<10	10	30
19	G46159	0.4	0.74	5	35	<5	2.01	1	18	70	356	0.04	3.79	<10	0.55	271	414	0.041	0.07	6	930	16	<5	<20	26	0.07	<10	57	<10	17	54
20	G46161	0.4	0.82	<5	40	<5	0.66	<1	18	71	505	0.05	4.00	<10	0.81	276	326	0.033	0.08	6	800	10	<5	<20	17	0.12	<10	78	<10	13	58
21	G46162	0.3	0.82	10	40	<5	1.82	<1	17	47	427	0.04	3.72	<10	0.70	323	542	0.054	0.08	2	1060	16	<5	<20	27	0.08	<10	64	<10	19	62
22	G46163	0.3	1.73	5	45	<5	3.04	2	27	89	460	0.05	4.98	<10	1.48	469	314	0.031	0.20	43	1070	14	15	<20	98	0.07	<10	112	<10	10	55
23	G46164	<0.2	2.63	10	205	<5	3.30	1	33	148	69	0.01	5.28	<10	2.35	561	8	0.001	0.34	70	1720	14	30	<20	239	0.09	<10	172	<10	5	46
24	G46165	<0.2	0.05	5	15	<5	>10	<1	<1	5	6	0.00	0.10	<10	>10	75	<1	0.000	0.01	<1	380	<2	5	<20	137	0.03	<10	4	<10	2	6
25	G46166	<0.2	2.55	<5	170	<5	3.26	<1	34	190	57	0.01	5.07	<10	2.15	507	<1	0.000	0.37	76	1650	20	5	<20	232	0.12	<10	158	<10	6	45

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 315** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G46167	0.3	2.21	<5	60	<5	2.39	<1	30	134	366	0.04	5.02	<10	1.90	474	278	0.028	0.28	60	1110	16	5	<20	148	0.13	<10	150	<10	4	55
27	G46168	1.2	1.43	<5	50	<5	1.10	3	38	74	1118	0.11	7.06	<10	1.45	451	536	0.054	0.08	18	590	10	10	<20	91	0.15	<10	164	<10	6	98
28	G46169	1.4	1.52	10	50	<5	1.31	2	25	61	1100	0.11	5.20	<10	1.59	507	672	0.067	0.13	14	880	24	15	<20	32	0.14	<10	166	<10	15	94

29	G46170	0.2	0.61	<5	130	<5	1.34	<1	7	19	122	0.01	2.49	10	0.40	605	642	0.064	0.05	14	770	18	<5	<20	126	0.03	<10	29	<10	17	82
30	G46171	1.2	0.90	15	40	<5	1.08	<1	20	60	862	0.09	3.95	<10	0.88	284	1097	0.110	0.06	6	950	18	<5	<20	26	0.09	<10	80	<10	11	62
31	G46172	0.7	1.38	20	40	<5	2.06	<1	17	61	489	0.05	4.07	<10	1.14	381	886	0.089	0.05	11	1340	20	<5	<20	44	0.08	<10	92	<10	11	66
32	G46173	<0.2	1.95	<5	170	5	3.70	<1	29	104	54	0.01	5.36	<10	2.15	753	4	0.000	0.11	50	2090	26	<5	<20	125	0.11	<10	156	<10	7	100
33	G46174	<0.2	2.31	5	285	<5	3.32	2	31	126	52	0.01	5.48	<10	2.52	631	9	0.001	0.16	63	2070	24	30	<20	208	0.10	<10	169	<10	7	82
34	G46175	<0.2	2.12	<5	155	5	3.48	1	32	111	68	0.01	5.43	<10	2.42	660	8	0.001	0.14	61	2080	28	10	<20	116	0.10	<10	160	<10	6	86
35	G46176	0.4	1.60	20	50	<5	1.91	2	57	117	586	0.06	7.28	<10	1.73	495	1120	0.112	0.09	32	1110	22	10	<20	113	0.13	<10	151	<10	2	97
36	G46177	0.7	1.66	<5	55	<5	1.19	<1	29	51	835	0.08	5.82	<10	1.91	439	241	0.024	0.09	8	950	22	5	<20	46	0.22	<10	199	<10	14	98
37	G46178	0.8	1.45	<5	40	<5	1.18	1	24	61	856	0.09	5.50	<10	1.58	455	302	0.030	0.11	8	1070	18	5	<20	28	0.18	<10	164	<10	15	101
38	G46179	0.8	1.07	10	50	<5	1.73	2	19	86	797	0.08	4.91	<10	0.88	483	479	0.048	0.08	8	1110	20	5	<20	40	0.07	<10	71	<10	15	70
39	G46181	0.4	0.39	<5	35	<5	1.11	<1	9	103	366	0.04	2.64	10	0.26	160	304	0.030	0.06	3	870	10	<5	<20	37	0.04	<10	20	<10	7	28
40	G46182	0.5	1.07	<5	40	<5	1.49	<1	23	64	495	0.05	4.70	<10	1.07	375	207	0.021	0.08	5	850	16	<5	<20	28	0.14	<10	96	<10	13	66
41	G46183	0.7	1.25	10	50	<5	1.49	<1	23	46	848	0.08	5.71	<10	1.30	359	488	0.049	0.07	6	780	22	<5	<20	27	0.13	<10	121	<10	8	77
42	G46184	0.6	0.94	<5	35	<5	1.80	1	23	60	779	0.08	5.03	<10	0.83	316	265	0.026	0.08	9	800	18	10	<20	33	0.08	<10	88	<10	8	66
43	G46185	<0.2	0.04	5	10	<5	>10	<1	<1	22	24	0.00	0.11	<10	>10	63	<1	0.000	<0.01	<1	530	<2	20	<20	129	0.02	<10	4	<10	<1	13
44	G46186	1.0	1.29	20	35	<5	1.48	1	29	52	1142	0.11	6.49	<10	1.05	406	542	0.054	0.05	10	640	16	<5	<20	26	0.13	<10	124	<10	10	80
45	G46187	0.7	1.37	<5	40	<5	1.64	1	26	53	887	0.09	6.18	<10	1.47	521	333	0.033	0.06	9	670	16	<5	<20	29	0.16	<10	136	<10	9	114
46	G46188	0.5	1.18	<5	35	<5	1.51	2	19	56	731	0.07	5.14	<10	1.11	350	149	0.015	0.07	10	920	14	10	<20	39	0.10	<10	113	<10	11	75
47	G46189	0.2	0.56	10	35	<5	1.76	<1	10	77	270	0.03	2.59	<10	0.35	202	345	0.034	0.05	4	630	12	<5	<20	38	0.02	<10	24	<10	11	36
48	G46190	0.2	0.70	<5	135	<5	1.40	<1	7	19	145	0.01	2.61	20	0.47	647	643	0.064	0.06	16	810	14	<5	<20	156	0.02	<10	32	<10	18	77
49	G46191	0.2	0.39	<5	40	<5	1.69	<1	13	66	113	0.01	3.80	<10	0.18	214	574	0.057	0.05	6	460	12	<5	<20	24	<0.01	<10	9	<10	6	37
50	G46192	0.3	0.49	<5	40	<5	1.60	<1	9	79	384	0.04	2.81	<10	0.33	212	205	0.021	0.05	1	530	12	<5	<20	36	0.02	<10	23	<10	12	38
51	G46193	0.7	1.06	20	35	<5	1.69	2	21	60	958	0.10	4.91	<10	0.77	308	651	0.065	0.05	15	640	8	5	<20	42	0.04	<10	76	<10	14	53
52	G46194	0.3	0.95	15	40	<5	2.63	<1	12	78	383	0.04	3.27	<10	0.62	232	467	0.047	0.03	19	940	16	<5	<20	52	0.02	<10	58	<10	12	47
53	G46195	0.3	0.68	565	35	<5	2.72	<1	12	135	439	0.04	3.46	<10	0.53	228	454	0.045	0.03	35	690	10	<5	<20	43	0.05	<10	75	<10	11	39
54	G46196	0.4	0.85	30	35	<5	1.85	1	18	134	375	0.04	4.83	<10	0.83	291	1321	0.132	0.05	75	730	20	<5	<20	45	0.05	<10	125	<10	11	68
55	G46197	0.4	0.56	40	30	<5	1.93	<1	18	93	424	0.04	3.95	<10	0.58	257	1402	0.140	0.04	48	670	20	<5	<20	39	0.02	<10	48	<10	7	61
56	G46198	1.5	0.90	40	40	<5	1.52	<1	16	122	631	0.06	3.70	<10	1.02	193	1077	0.108	0.05	43	470	22	<5	<20	43	0.06	<10	88	<10	12	43
57	G46199	0.2	0.95	10	50	<5	1.10	<1	14	108	147	0.01	2.88	<10	1.06	184	490	0.049	0.06	29	1000	22	<5	<20	48	0.10	<10	114	<10	19	39
58	G46201	0.2	0.99	15	40	<5	0.60	<1	21	159	259	0.03	3.99	<10	1.13	169	1026	0.103	0.08	74	500	16	<5	<20	26	0.11	<10	197	<10	14	36
59	G46202	0.2	1.00	15	35	<5	0.93	1	32	143	181	0.02	5.85	<10	1.10	167	868	0.087	0.05	77	320	12	5	<20	26	0.10	<10	165	<10	6	35
60	G46203	0.3	1.05	15	50	<5	0.48	<1	16	168	347	0.03	3.26	<10	1.07	189	1223	0.122	0.08	52	380	16	<5	<20	28	0.14	<10	159	<10	13	43
61	G46204	0.3	0.93	10	35	<5	0.48	<1	15	149	356	0.04	3.29	<10	0.99	191	601	0.060	0.07	54	470	16	5	<20	33	0.10	<10	148	<10	12	47
62	G46205	<0.2	0.02	10	35	<5	>10	<1	1	7	15	0.00	0.08	<10	>10	65	<1	0.000	<0.01	<1	370	2	20	<20	120	0.01	<10	3	<10	5	11
63	G46206	0.5	0.91	10	45	<5	0.34	<1	15	140	402	0.04	3.15	<10	0.98	208	577	0.058	0.07	60	470	18	<5	<20	47	0.12	<10	165	<10	12	54
64	G46207	0.2	0.86	15	30	<5	0.87	1	20	129	209	0.02	3.75	<10	0.97	185	920	0.092	0.04	66	450	18	<5	<20	25	0.06	<10	150	<10	12	44
65	G46208	0.8	0.95	75	40	<5	1.38	<1	103	123	1082	0.11	6.75	<10	0.92	191	872	0.087	0.02	96	350	16	<5	<20	34	0.05	<10	107	<10	<1	46

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 315** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
66	G46209	0.8	1.06	20	45	<5	0.80	2	27	130	814	0.08	4.69	<10	1.11	231	1079	0.108	0.06	82	610	24	10	<20	47	0.09	<10	209	<10	16	63
67	G46210	0.2	0.56	<5	130	<5	1.36	<1	8	19	114	0.01	2.52	10	0.37	604	647	0.065	0.04	16	840	22	<5	<20	114	0.02	<10	28	<10	17	94
68	G46211	0.4	0.51	10	30	<5	0.60	<1	14	98	301	0.03	2.49	<10	0.43	130	390	0.039	0.06	26	720	14	<5	<20	28	0.03	<10	53	<10	6	39
69	G46212	0.6	0.90	20	45	<5	0.70	<1	19	137	578	0.06	3.89	<10	0.89	193	1234	0.123	0.06	64	390	28	5	<20	27	0.07	<10	156	<10	15	52
70	G46213	1.4	0.70	15	35	<5	0.78	<1	43	128	1616	0.16	3.08	<10	0.72	134	439	0.044	0.03	43	370	20	<5	<20	24	0.07	<10	95	<10	8	50
71	G46214	0.3	0.84	15	35	<5	0.86	<1	28	139	197	0.02	3.27	<10	1.07	150	774	0.077	0.05	47	440	28	<5	<20	24	0.08	<10	129	<10	10	44
72	G46215	0.2	0.70	10	25	<5	0.98	<1	43	119	240	0.02	3.81	<10	0.73	150	1159	0.116	0.05	53	380	16	<5	<20	17	0.05	<10	101	<10	6	47
73	G46216	0.2	0.55	10	35	<5	0.83	<1	24	115	114	0.01	3.01	<10	0.55	148	596	0.060	0.04	33	430	18	<5	<20	22	0.03	<10	61	<10	6	50
74	G46217	0.8	0.63	10	40	<5	0.45	<1	10	142	552	0.06	3.34	<10	0.58	200	391	0.039	0.05	33	290	18	5	<20	12	0.05	<10	87	<10	5	46
75	G46218	0.4	0.93	10	35	<5	0.79	<1	14	138	273	0.03	3.16	<10	1.00	215	490	0.049	0.06	49	430	18	10	<20	18	0.10	<10	158	<10	8	50
76	G46219	0.2	0.88	10	45	<5	0.57	<1	10	159	173	0.02	2.60	<10	0.91	171	855	0.086	0.06	41	350	18	<5	<20	51	0.10	<10	140	<10	9	40

77	G46221	0.2	1.00	<5	55	<5	0.49	<1	13	165	158	0.02	3.08	<10	1.04	177	654	0.065	0.06	50	440	22	5	<20	27	0.12	<10	164	<10	11	41
78	G46222	0.3	0.77	5	45	<5	0.43	<1	11	132	231	0.02	2.86	<10	0.81	217	213	0.021	0.08	44	360	18	<5	<20	22	0.09	<10	127	<10	9	45
79	G46223	0.3	0.99	<5	35	<5	0.63	<1	13	143	238	0.02	3.36	<10	1.06	249	221	0.022	0.08	56	450	14	<5	<20	23	0.12	<10	149	<10	9	52
80	G46224	0.4	0.93	<5	40	<5	0.29	<1	14	143	260	0.03	3.24	<10	0.97	221	348	0.035	0.08	46	330	12	5	<20	23	0.11	<10	151	<10	9	48
81	G46225	<0.2	0.03	5	20	<5	>10	<1	<1	7	10	0.00	0.09	<10	>10	77	<1	0.000	<0.01	<1	410	<2	25	<20	141	0.02	<10	3	<10	3	9
82	G46226	0.2	0.66	<5	45	<5	0.41	<1	10	104	232	0.02	2.81	<10	0.72	174	255	0.026	0.07	34	650	12	5	<20	39	0.07	<10	100	<10	9	35
83	G46227	0.2	0.35	<5	35	<5	0.50	<1	5	81	124	0.01	1.87	<10	0.28	112	113	0.011	0.05	4	820	10	<5	<20	31	0.02	<10	18	<10	6	21
84	G46228	0.2	0.36	<5	35	<5	0.53	<1	7	69	238	0.02	2.41	<10	0.29	107	49	0.005	0.06	5	810	10	<5	<20	33	0.02	<10	21	<10	5	33
85	G46229	<0.2	0.30	<5	45	<5	0.51	<1	5	79	149	0.01	1.67	<10	0.23	85	24	0.002	0.06	5	770	12	<5	<20	24	0.02	<10	19	<10	6	31
86	G46230	0.2	0.62	<5	130	<5	1.39	<1	8	19	127	0.01	2.58	10	0.41	637	644	0.064	0.05	17	850	18	<5	<20	131	0.02	<10	30	<10	17	86
87	G46231	0.2	0.50	<5	40	<5	0.30	<1	9	107	266	0.03	3.03	<10	0.45	129	80	0.008	0.09	18	560	12	<5	<20	17	0.06	<10	49	<10	5	31
88	G46232	<0.2	0.82	<5	70	<5	0.41	<1	11	127	147	0.01	2.38	<10	0.81	234	117	0.012	0.07	39	380	16	<5	<20	20	0.13	<10	112	<10	13	51
89	G46233	<0.2	0.22	<5	25	<5	0.54	<1	2	79	73	0.01	1.10	<10	0.09	72	20	0.002	0.05	3	340	6	<5	<20	12	<0.01	<10	7	<10	2	15
90	G46234	0.2	0.32	<5	40	10	0.33	<1	5	72	118	0.01	2.09	<10	0.26	106	903	0.090	0.07	3	790	10	<5	<20	22	0.02	<10	17	<10	5	28
91	G46235	0.2	0.34	<5	45	<5	0.28	<1	6	65	199	0.02	2.39	<10	0.28	97	298	0.030	0.07	5	730	12	<5	<20	25	0.02	<10	20	<10	6	28
92	G46236	0.3	0.31	<5	50	<5	0.29	<1	6	68	172	0.02	2.47	<10	0.26	88	57	0.006	0.07	5	750	10	<5	<20	24	0.02	<10	18	<10	5	27
93	G46237	0.2	0.35	<5	35	<5	0.43	<1	7	63	210	0.02	2.64	<10	0.27	83	226	0.023	0.06	6	810	10	<5	<20	23	0.01	<10	17	<10	4	25
94	G46238	0.2	0.28	<5	35	<5	0.83	<1	4	68	145	0.01	1.81	<10	0.11	79	88	0.009	0.06	3	760	8	<5	<20	30	<0.01	<10	8	<10	5	23
95	G46239	0.2	0.36	<5	50	<5	0.60	<1	8	72	191	0.02	2.17	<10	0.25	100	162	0.016	0.07	5	680	8	<5	<20	32	0.01	<10	17	<10	5	22
96	G46241	0.2	0.30	<5	40	<5	0.55	<1	6	77	235	0.02	2.14	<10	0.20	66	123	0.012	0.06	5	590	8	<5	<20	28	0.02	<10	15	<10	5	18
97	G46242	<0.2	0.73	<5	100	<5	0.83	<1	13	55	71	0.01	2.37	<10	0.70	306	9	0.001	0.07	9	1350	14	10	<20	41	0.11	<10	59	<10	10	42

QC DATA:

Repeat:

1	G46141	0.8	0.77	15	40	<5	1.50	<1	18	80	586	4.14	<10	0.57	235	272	0.08	7	970	12	<5	<20	25	0.06	<10	72	<10	18	40
19	G46159	0.4	0.77	5	40	<5	2.03	<1	18	70	379	3.86	<10	0.57	276	427	0.07	4	950	18	<5	<20	29	0.08	<10	58	<10	16	54
36	G46177	0.7	1.64	5	50	<5	1.20	<1	29	52	820	5.86	<10	1.88	440	243	0.09	8	990	26	<5	<20	43	0.22	<10	198	<10	12	103
45	G46187	0.6	1.37	5	50	<5	1.67	3	28	50	890	6.29	<10	1.47	526	339	0.06	10	720	18	5	<20	31	0.13	<10	137	<10	11	124

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
54	G46196	0.4	0.75	20	30	<5	1.73	1	17	124	327	4.56	<10	0.74	271	1348	0.05	72	680	18	<5	<20	35	0.07	<10	114	<10	9	68
71	G46214	0.2	1.05	15	35	<5	0.92	<1	29	153	208	3.50	<10	1.07	165	765	0.07	51	430	20	<5	<20	28	0.11	<10	149	<10	11	41
80	G46224	0.4	0.92	<5	40	<5	0.29	1	14	140	254	3.28	<10	0.98	221	357	0.08	48	340	16	10	<20	23	0.12	<10	151	<10	9	49
89	G46233	<0.2	0.22	<5	30	<5	0.54	<1	3	80	70	1.12	<10	0.08	72	18	0.05	1	340	10	<5	<20	16	0.02	<10	6	<10	4	16

Resplit:

1	G46141	0.7	0.81	15	40	<5	1.75	1	20	74	619	4.59	<10	0.63	264	398	0.07	9	980	10	5	<20	26	0.06	<10	75	<10	16	41
36	G46177	0.7	1.41	10	45	<5	1.18	1	27	48	817	5.70	<10	1.64	421	237	0.07	10	1030	24	5	<20	34	0.18	<10	181	<10	12	112
71	G46214	0.3	1.07	20	35	<5	0.92	1	31	138	225	3.61	<10	1.10	167	777	0.06	52	440	28	5	<20	28	0.08	<10	151	<10	10	39

Standard:

Pb116		11.0	0.26	5	145	<5	0.94	11	2	2	2119	0.87	<10	0.06	261	27	0.02	2	190	7088	20	<20	181	<0.01	<10	8	<10	<1	4208
Pb116		11.2	0.26	5	135	<5	0.93	11	2	2	2095	0.87	<10	0.07	247	26	0.02	2	170	7064	20	<20	180	<0.01	<10	7	<10	<1	4205
Pb116		11.6	0.20	5	150	<5	0.97	11	2	2	2199	0.90	<10	0.06	265	28	0.02	2	180	7054	20	<20	173	<0.01	<10	8	<10	1	4185

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/bp
df/315
XLS/07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

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Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007- 297

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 75
Sample Type: Core
Project: CHU
Shipment #: 40
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G46243	0.3	1.22	<5	100	<5	1.53	<1	23	89	286	4.20	<10	0.94	651	29	0.17	6	840	12	<5	<20	29	0.24	<10	109	<10	22	63
2	G46244	0.4	0.93	<5	105	<5	1.17	<1	23	89	325	4.22	<10	0.58	413	40	0.19	6	870	6	<5	<20	46	0.25	<10	86	<10	24	48
3	G46245	<0.2	0.05	<5	15	<5	>10	<1	<1	5	7	0.10	<10	>10	74	<1	0.01	<1	320	<2	30	<20	142	<0.01	<10	3	<10	1	5
4	G46246	0.5	1.14	<5	80	<5	1.55	3	21	98	372	4.34	<10	0.37	351	15	0.25	5	850	12	<5	<20	51	0.20	<10	74	<10	25	168
5	G46247	0.4	0.86	<5	60	<5	1.10	<1	22	64	328	4.07	<10	0.43	335	11	0.17	4	850	8	<5	<20	25	0.19	<10	75	<10	20	41
6	G46248	0.3	1.32	<5	80	<5	1.21	<1	21	73	246	4.12	<10	0.73	487	6	0.25	6	890	14	<5	<20	43	0.24	<10	104	<10	26	56
7	G46249	0.4	0.90	<5	65	<5	1.08	<1	21	98	360	4.61	<10	0.41	417	26	0.16	4	810	6	<5	<20	30	0.20	<10	80	<10	20	41
8	G46250	0.2	0.71	<5	125	<5	1.27	<1	7	19	129	2.46	20	0.51	605	636	0.05	13	790	14	<5	<20	145	0.02	<10	34	<10	19	70
9	G46251	0.5	1.10	<5	65	<5	1.90	<1	20	100	386	4.55	<10	0.37	447	22	0.17	7	760	10	<5	<20	59	0.17	<10	75	<10	18	36
10	G46252	0.6	1.59	15	95	<5	2.03	<1	22	207	463	5.26	<10	1.13	534	125	0.18	8	710	18	<5	<20	56	0.20	<10	118	<10	20	43
11	G46253	0.2	2.26	30	90	<5	3.72	<1	18	60	143	3.73	<10	1.19	644	52	0.15	3	1020	24	<5	<20	64	0.18	<10	120	<10	31	56
12	G46254	0.3	1.43	<5	90	<5	1.56	<1	22	153	223	4.31	<10	0.89	555	13	0.21	5	980	16	<5	<20	55	0.23	<10	100	<10	25	53
13	G46255	0.4	1.40	10	95	<5	1.76	<1	24	137	274	5.04	<10	1.17	581	21	0.22	4	930	14	<5	<20	43	0.26	<10	111	<10	29	52
14	G46256	0.3	1.20	<5	75	<5	1.37	<1	22	82	223	4.07	<10	0.90	451	24	0.16	4	1010	12	<5	<20	29	0.22	<10	85	<10	26	49
15	G46257	0.3	1.38	<5	100	<5	1.51	<1	22	96	190	4.15	<10	0.95	595	10	0.21	4	990	18	<5	<20	41	0.23	<10	94	<10	25	62
16	G46258	0.2	1.38	<5	100	<5	1.34	<1	22	191	175	4.00	<10	0.87	585	3	0.27	6	960	16	<5	<20	43	0.25	<10	96	<10	29	62
17	G46259	0.4	0.69	<5	70	<5	1.19	<1	23	47	469	4.84	<10	0.47	329	21	0.10	5	720	10	<5	<20	28	0.16	<10	65	<10	13	43
18	G46261	0.6	0.97	<5	55	<5	1.50	<1	23	66	522	4.73	<10	0.50	309	30	0.16	5	770	12	<5	<20	40	0.16	<10	76	<10	15	44
19	G46262	0.8	1.97	25	80	<5	2.47	<1	26	65	432	4.68	<10	0.97	534	90	0.29	6	840	26	<5	<20	102	0.19	<10	137	<10	20	62
20	G46263	0.9	1.35	15	60	<5	2.55	<1	27	113	592	5.09	<10	0.54	519	17	0.20	7	780	14	<5	<20	54	0.16	<10	96	<10	12	69
21	G46264	0.6	1.54	5	70	<5	1.85	<1	27	111	574	4.79	<10	0.59	357	12	0.24	5	800	26	<5	<20	52	0.19	<10	83	<10	19	56
22	G46265	<0.2	0.05	5	15	<5	>10	<1	<1	5	7	0.10	<10	>10	68	<1	0.01	<1	310	<2	30	<20	137	<0.01	<10	3	<10	3	6
23	G46266	0.5	1.35	<5	70	<5	1.59	<1	28	85	592	4.90	<10	0.50	530	10	0.18	8	660	24	<5	<20	104	0.15	<10	73	<10	10	54
24	G46267	0.3	1.12	<5	100	<5	0.91	<1	32	74	365	4.40	<10	0.75	469	<1	0.17	6	660	24	<5	<20	29	0.19	<10	93	<10	15	63
25	G46268	0.6	1.41	<5	85	<5	1.24	<1	26	135	665	6.16	<10	0.86	450	16	0.20	7	730	24	<5	<20	80	0.21	<10	118	<10	10	81
26	G46269	0.4	1.26	<5	90	<5	0.92	<1	24	83	319	5.14	<10	1.13	598	9	0.14	7	950	24	<5	<20	38	0.26	<10	134	<10	14	100
27	G46270	0.2	0.74	5	130	<5	1.33	<1	7	20	121	2.55	20	0.46	607	640	0.04	15	740	12	<5	<20	124	0.02	<10	33	<10	18	85
28	G46271	0.2	0.63	<5	70	5	1.11	<1	8	105	55	1.90	10	0.44	219	<1	0.08	5	920	10	<5	<20	39	0.10	<10	31	<10	4	29
29	G46272	0.5	1.26	<5	105	<5	1.04	<1	23	88	324	4.69	<10	1.04	552	26	0.16	8	960	20	<5	<20	70	0.24	<10	117	<10	16	79
30	G46273	0.5	1.21	<5	105	<5	1.00	<1	22	102	549	5.26	<10	1.09	495	21	0.15	10	1090	22	<5	<20	56	0.24	<10	132	<10	16	94

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 297** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G46274	0.5	1.77	5	125	<5	1.92	<1	30	48	500	5.97	<10	1.36	593	47	0.12	5	920	32	<5	<20	76	0.27	<10	169	<10	19	92
32	G46275	<0.2	1.06	<5	180	<5	1.35	<1	11	80	44	2.49	10	0.86	279	<1	0.09	11	1140	14	<5	<20	63	0.15	<10	66	<10	7	36
33	G46276	0.6	1.98	15	100	<5	1.41	<1	30	39	528	5.96	<10	1.43	471	18	0.16	6	940	28	<5	<20	72	0.23	<10	167	<10	14	68
34	G46277	0.4	1.09	5	70	<5	1.21	<1	19	141	403	4.06	<10	0.74	329	414	0.11	6	550	16	<5	<20	67	0.15	<10	77	<10	15	45
35	G46278	0.3	1.40	5	95	<5	0.48	<1	16	87	365	4.36	<10	1.36	383	123	0.09	3	360	20	<5	<20	19	0.17	<10	81	<10	10	71
36	G46279	0.2	1.25	<5	95	<5	0.47	<1	14	145	231	3.43	<10	1.11	302	199	0.12	4	470	24	<5	<20	40	0.15	<10	81	<10	13	59
37	G46281	0.3	1.17	5	95	<5	0.76	<1	16	188	277	3.24	<10	0.98	309	250	0.12	4	440	22	<5	<20	36	0.15	<10	73	<10	18	59
38	G46282	0.3	0.87	10	70	<5	1.19	<1	9	114	255	2.82	<10	0.63	262	208	0.09	3	450	18	<5	<20	18	0.07	<10	54	<10	14	46
39	G46283	<0.2	0.86	5	80	<5	0.58	<1	10	179	180	2.48	<10	0.59	236	117	0.12	5	460	16	<5	<20	15	0.07	<10	57	<10	15	36
40	G46284	0.4	0.80	15	60	<5	1.03	<1	13	115	321	2.87	<10	0.53	186	247	0.08	4	390	14	<5	<20	14	0.03	<10	40	<10	8	42
41	G46285	<0.2	0.05	5	10	<5	>10	<1	<1	7	4	0.08	<10	>10	80	<1	<0.01	<1	330	<2	35	<20	133	<0.01	<10	3	<10	2	5
42	G46286	0.3	0.83	20	60	<5	1.46	<1	8	101	205	2.43	<10	0.57	234	150	0.07	4	400	14	<5	<20	20	0.02	<10	36	<10	9	94
43	G46287	0.7	1.62	25	85	<5	1.08	<1	20	72	456	4.33	<10	1.44	279	205	0.10	3	550	22	<5	<20	24	0.14	<10	112	<10	13	53
44	G46288	0.7	1.71	<5	90	<5	0.51	<1	23	174	334	4.53	<10	1.82	431	71	0.17	8	630	30	<5	<20	30	0.26	<10	149	<10	23	105
45	G46289	0.4	1.49	<5	115	<5	0.42	<1	21	131	400	4.76	<10	1.50	307	83	0.17	7	580	28	<5	<20	32	0.20	<10	143	<10	22	70
46	G46290	0.3	0.78	5	130	<5	1.30	<1	7	20	123	2.52	20	0.46	600	624	0.04	16	770	12	<5	<20	126	0.02	<10	33	<10	16	84
47	G46291	0.3	1.16	<5	70	<5	0.42	<1	19	208	435	4.37	<10	0.99	195	82	0.17	7	550	18	<5	<20	12	0.17	<10	126	<10	15	41
48	G46292	0.3	0.85	<5	55	<5	0.32	<1	18	108	455	4.49	<10	0.50	100	275	0.09	6	480	12	<5	<20	13	0.05	<10	75	<10	3	22
49	G46293	0.3	0.79	<5	80	<5	0.33	<1	18	125	253	4.01	<10	0.54	129	133	0.12	7	510	16	<5	<20	16	0.08	<10	86	<10	11	27
50	G46294	0.2	1.81	15	90	<5	0.64	<1	21	112	188	4.46	<10	1.76	344	146	0.15	7	640	28	<5	<20	60	0.24	<10	140	<10	18	57
51	G46295	0.3	1.44	10	80	<5	0.84	<1	22	153	180	4.57	<10	1.26	304	143	0.15	8	590	22	<5	<20	32	0.15	<10	129	<10	14	49
52	G46296	0.2	1.73	<5	100	<5	0.53	<1	21	104	160	4.40	<10	1.41	347	75	0.18	6	720	24	<5	<20	28	0.21	<10	154	<10	11	43
53	G46297	0.3	1.25	<5	75	<5	0.73	2	21	165	347	4.67	<10	0.70	206	253	0.18	9	720	18	<5	<20	35	0.11	<10	131	<10	13	89
54	G46298	0.5	1.10	10	70	<5	0.65	<1	20	119	449	4.80	<10	0.73	155	556	0.13	5	690	20	<5	<20	26	0.08	<10	106	<10	9	42
55	G46299	0.4	1.21	10	75	<5	1.44	<1	18	140	249	4.29	<10	0.92	247	492	0.11	6	680	20	<5	<20	67	0.10	<10	98	<10	13	40
56	G46301	0.5	1.74	15	105	<5	1.29	<1	18	100	314	4.03	<10	1.46	473	821	0.09	3	670	30	<5	<20	75	0.14	<10	110	<10	16	89
57	G46302	0.3	1.87	10	135	<5	0.57	<1	19	158	148	3.71	<10	1.66	527	152	0.17	6	710	46	<5	<20	81	0.25	<10	126	<10	24	82
58	G46303	2.1	2.10	<5	125	35	0.76	<1	19	120	138	3.75	<10	1.79	767	169	0.18	4	700	48	<5	<20	88	0.29	<10	128	<10	19	104
59	G46304	0.2	2.24	10	115	<5	1.24	<1	21	145	195	4.25	<10	2.04	878	354	0.16	7	870	38	<5	<20	85	0.28	<10	123	<10	19	120
60	G46305	<0.2	0.05	5	10	<5	>10	<1	<1	7	5	0.10	<10	>10	76	2	<0.01	<1	390	<2	30	<20	124	<0.01	<10	4	<10	<1	6
61	G46306	0.4	2.10	10	115	<5	0.99	<1	19	127	341	4.65	<10	2.22	484	544	0.13	4	970	40	<5	<20	75	0.26	<10	100	<10	22	110
62	G46307	0.3	1.73	5	90	<5	0.62	<1	21	150	364	4.63	<10	1.61	478	127	0.16	5	1090	38	<5	<20	39	0.29	<10	112	<10	29	91
63	G46308	0.4	1.22	<5	95	<5	0.60	<1	21	84	531	4.68	<10	1.00	371	283	0.14	4	1070	30	<5	<20	27	0.27	<10	96	<10	27	75
64	G46309	0.5	1.77	5	85	<5	1.42	<1	28	144	619	5.50	<10	1.56	351	534	0.12	4	780	38	<5	<20	135	0.26	<10	119	<10	19	87
65	G46310	0.2	0.72	10	135	<5	1.29	<1	7	20	113	2.50	10	0.43	586	632	0.04	15	750	16	<5	<20	116	0.02	<10	31	<10	18	80
66	G46311	0.3	1.75	5	110	<5	2.23	<1	22	82	230	4.53	<10	1.61	508	172	0.09	18	1170	40	<5	<20	190	0.19	<10	128	<10	13	90
67	G46312	<0.2	1.43	<5	185	<5	2.49	<1	22	87	31	3.58	<10	1.51	488	<1	0.13	40	1380	30	<5	<20	192	0.10	<10	105	<10	<1	93
68	G46313	<0.2	1.61	5	195	<5	2.73	<1	25	118	34	4.12	<10	1.80	573	<1	0.15	46	1630	30	<5	<20	92	0.12	<10	123	<10	<1	87
69	G46314	0.2	1.35	<5	95	<5	1.42	<1	25	65	276	4.24	<10	1.20	396	178	0.14	28	920	34	<5	<20	81	0.19	<10	98	<10	12	71
70	G46315	0.2	1.77	10	150	<5	2.54	<1	28	97	119	4.83	<10	1.74	542	31	0.14	39	1580	42	<5	<20	78	0.21	<10	136	<10	7	75

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 297** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
71	G46316	0.4	0.98	5	90	<5	0.77	<1	21	53	411	4.29	<10	0.90	317	323	0.11	6	870	28	<5	<20	43	0.20	<10	88	<10	13	78

72	G46317	0.3	1.07	<5	95	<5	0.63	<1	25	50	336	4.30	<10	0.93	428	196	0.11	5	790	32	<5	<20	31	0.25	<10	102	<10	18	94
73	G46318	0.4	0.91	<5	60	<5	0.88	<1	25	62	614	4.64	<10	0.70	270	105	0.11	7	780	14	<5	<20	38	0.22	<10	88	<10	14	57
74	G46319	0.6	0.83	<5	75	<5	0.76	<1	24	73	719	4.77	<10	0.50	247	178	0.12	5	730	20	<5	<20	40	0.19	<10	80	<10	15	68
75	G46321	0.8	1.28	<5	95	<5	0.76	1	26	72	679	5.13	<10	1.05	395	242	0.15	5	820	34	<5	<20	173	0.22	<10	104	<10	17	132

QC DATA:

Repeat:

1	G46243	0.3	1.34	<5	105	<5	1.53	<1	24	90	288	4.29	<10	1.02	663	31	0.18	7	870	12	<5	<20	32	0.23	<10	112	<10	25	60
10	G46252	0.7	1.51	20	100	<5	2.07	<1	23	207	436	5.36	<10	1.06	532	126	0.17	7	770	22	<5	<20	55	0.19	<10	114	<10	22	48
19	G46262	0.8	1.92	30	75	<5	2.47	<1	25	64	421	4.72	<10	0.95	532	95	0.27	6	840	26	<5	<20	94	0.18	<10	134	<10	14	64
36	G46279	0.2	1.23	<5	90	<5	0.48	<1	14	142	236	3.57	<10	1.14	312	200	0.11	4	490	22	<5	<20	40	0.15	<10	85	<10	14	60
45	G46289	0.4	1.52	<5	105	<5	0.41	<1	20	127	415	4.71	<10	1.54	309	76	0.17	6	570	24	<5	<20	31	0.20	<10	145	<10	20	68
54	G46298	0.5	1.00	10	75	<5	0.65	<1	20	114	411	4.79	<10	0.67	154	523	0.11	7	730	26	<5	<20	28	0.08	<10	101	<10	11	45

Resplit:

1	G46243	0.4	1.16	<5	105	<5	1.52	<1	25	52	295	4.46	<10	0.88	630	29	0.13	7	920	22	<5	<20	27	0.20	<10	100	<10	21	71
36	G46279	0.2	1.14	<5	85	<5	0.46	<1	13	139	236	3.31	<10	1.07	283	218	0.10	4	460	26	<5	<20	38	0.13	<10	72	<10	11	59
71	G46316	0.4	0.97	<5	95	<5	0.77	<1	21	54	414	4.31	<10	0.90	313	318	0.10	5	850	24	<5	<20	42	0.22	<10	88	<10	15	71

Standard:

Pb116		11.1	0.25	<5	130	<5	0.92	11	3	3	2265	0.90	<10	0.08	260	26	0.02	3	180	7058	25	<20	173	<0.01	<10	9	<10	<1	4253
Pb116		11.3	0.22	<5	135	<5	0.90	13	3	4	2155	0.86	<10	0.07	247	26	0.02	3	180	7036	20	<20	162	<0.01	<10	7	<10	2	4261
Pb116		11.5	0.24	<5	125	<5	0.90	13	3	4	2022	0.88	<10	0.07	247	27	0.02	3	170	7080	20	<20	164	<0.01	<10	8	<10	<1	4214

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/bp/sa
df/297
XLS/07

CERTIFICATE OF ASSAY AK 2007-0297

TTM Resources 24-Apr-07

520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 75
Sample Type: Core
Project: CHU
Shipment #: 40
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
8	G46250	0.062
27	G46270	0.061
46	G46290	0.061
54	G46298	0.055
55	G46299	0.046
56	G46301	0.079
61	G46306	0.055
64	G46309	0.052
65	G46310	0.063

QC DATA:

Standard:

MP2		0.281
MP2		0.283
MP2		0.280

JJ/kk
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-248

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

12-Apr-07

Attention: Ken MacDonald

No. of samples received: 49
Sample Type: Core
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
4	G46058	0.053
5	G46059	0.097
6	G46061	0.112
7	G46062	0.065
8	G46063	0.051
12	G46067	0.082
15	G46070	0.062
16	G46071	0.054
19	G46074	0.059
21	G46076	0.063
22	G46077	0.089
27	G46083	0.051
31	G46087	0.061
32	G46088	0.103
34	G46090	0.062
42	G46098	0.051
43	G46099	0.050

QC DATA:

Standard:

MP2	0.280

JJ/kc
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G46055	<0.2	2.14	15	165	<5	3.30	1	34	163	84	0.01	5.43	<10	2.12	582	209	0.021	0.14	108	1970	50	15	<20	175	0.07	<10	146	<10	3	72
2	G46056	<0.2	2.45	95	140	<5	7.00	<1	38	176	65	0.01	5.81	<10	2.55	912	7	0.001	0.05	134	1890	44	20	<20	148	0.02	<10	135	<10	4	79
3	G46057	<0.2	1.62	20	70	<5	2.39	<1	23	168	101	0.01	4.20	<10	1.50	426	458	0.046	0.09	88	1120	44	10	<20	73	0.10	<10	130	<10	1	68
4	G46058	<0.2	1.19	15	60	<5	0.78	<1	16	149	163	0.02	3.43	<10	1.07	250	545	0.055	0.04	63	510	34	5	<20	20	0.14	<10	154	<10	7	68
5	G46059	<0.2	1.06	15	60	<5	0.76	<1	15	157	179	0.02	3.47	<10	1.07	247	1003	0.100	0.04	60	550	30	<5	<20	17	0.14	<10	165	<10	6	82
6	G46061	0.2	1.15	15	50	<5	1.06	<1	15	145	237	0.02	3.71	<10	1.05	274	1208	0.121	0.04	61	580	36	<5	<20	32	0.13	<10	155	<10	6	92
7	G46062	<0.2	1.06	10	55	<5	0.80	<1	17	149	225	0.02	3.61	<10	1.02	218	671	0.067	0.04	64	500	32	<5	<20	76	0.13	<10	155	<10	5	68
8	G46063	0.2	1.26	10	75	<5	1.07	<1	20	151	238	0.02	4.16	<10	1.19	311	524	0.052	0.08	57	950	36	<5	<20	91	0.15	<10	166	<10	6	90
9	G46064	<0.2	2.09	10	240	10	3.11	1	37	135	55	0.01	5.81	<10	2.17	578	5	0.001	0.14	72	2710	50	25	<20	146	0.14	<10	163	<10	<1	104
10	G46065	<0.2	0.04	10	15	<5	>10	<1	<1	5	4	0.00	0.10	<10	>10	63	<1	0.000	<0.01	<1	510	<2	40	<20	103	<0.01	<10	3	<10	<1	8
11	G46066	<0.2	1.76	15	135	<5	2.86	<1	32	129	89	0.01	5.09	<10	1.75	553	46	0.005	0.10	86	2070	56	5	<20	88	0.14	<10	158	<10	3	98
12	G46067	0.6	0.93	15	60	<5	0.54	3	17	136	418	0.04	4.00	<10	0.92	512	845	0.085	0.06	63	660	52	<5	<20	18	0.13	<10	153	<10	4	937
13	G46068	0.3	0.75	10	45	<5	1.13	<1	11	103	233	0.02	2.96	<10	0.64	813	375	0.037	0.05	31	880	26	<5	<20	23	0.09	<10	86	<10	3	243
14	G46069	0.2	0.63	10	50	<5	0.95	<1	10	95	180	0.02	2.74	<10	0.49	313	173	0.017	0.06	22	990	24	<5	<20	25	0.07	<10	66	<10	4	121
15	G46070	0.2	0.64	10	130	<5	1.48	<1	8	21	109	0.01	2.82	<10	0.40	661	624	0.062	0.03	19	1070	30	<5	<20	111	0.03	<10	29	<10	17	121
16	G46071	0.3	1.07	10	60	<5	0.61	<1	23	156	260	0.03	4.26	<10	1.02	288	567	0.057	0.06	67	640	36	<5	<20	19	0.18	<10	170	<10	7	150
17	G46072	<0.2	1.13	10	70	<5	0.32	<1	16	167	174	0.02	3.90	<10	1.04	202	479	0.048	0.06	64	640	36	<5	<20	8	0.18	<10	162	<10	4	60
18	G46073	<0.2	1.07	5	65	<5	0.39	<1	18	161	204	0.02	3.79	<10	0.96	177	313	0.031	0.06	60	660	32	<5	<20	22	0.15	<10	167	<10	3	60
19	G46074	<0.2	1.08	10	65	<5	0.29	<1	12	132	140	0.01	3.07	<10	0.93	184	617	0.062	0.06	46	400	34	15	<20	21	0.12	<10	137	<10	1	56
20	G46075	<0.2	1.15	5	70	<5	0.23	<1	16	132	132	0.01	3.70	<10	1.01	196	212	0.021	0.05	45	510	36	<5	<20	8	0.16	<10	165	<10	<1	51
21	G46076	<0.2	1.28	10	70	<5	0.51	<1	14	133	78	0.01	3.54	<10	1.05	224	649	0.065	0.05	46	600	40	<5	<20	25	0.17	<10	163	<10	2	58
22	G46077	<0.2	1.08	10	50	<5	0.65	<1	17	125	191	0.02	4.15	<10	0.96	191	907	0.091	0.04	47	680	32	<5	<20	15	0.14	<10	135	<10	<1	55
23	G46078	<0.2	1.06	10	65	<5	0.37	<1	17	136	171	0.02	3.92	<10	0.97	188	293	0.029	0.06	60	740	38	<5	<20	26	0.15	<10	170	<10	6	60
24	G46079	<0.2	1.16	5	55	<5	0.45	<1	16	148	174	0.02	3.94	<10	1.06	178	253	0.025	0.06	54	730	40	<5	<20	29	0.17	<10	177	<10	4	59
25	G46081	<0.2	1.12	10	65	<5	0.27	<1	14	148	106	0.01	3.31	<10	0.97	178	381	0.038	0.06	52	610	40	<5	<20	39	0.17	<10	165	<10	2	56
26	G46082	<0.2	1.28	10	70	<5	0.28	<1	14	140	121	0.01	3.60	<10	1.23	213	333	0.033	0.05	49	630	44	<5	<20	7	0.19	<10	280	<10	4	69
27	G46083	<0.2	1.11	5	50	<5	0.27	<1	16	132	205	0.02	4.01	<10	1.02	201	505	0.050	0.05	49	710	30	10	<20	6	0.17	10	154	<10	2	61
28	G46084	<0.2	1.13	10	80	<5	0.27	<1	16	155	154	0.02	3.72	<10	1.04	228	204	0.020	0.05	59	610	34	<5	<20	13	0.19	<10	169	<10	3	65
29	G46085	<0.2	0.03	10	10	<5	>10	<1	<1	3	2	0.00	0.09	<10	>10	73	<1	0.000	<0.01	<1	500	<2	50	<20	116	<0.01	<10	3	<10	<1	7
30	G46086	<0.2	1.12	5	65	<5	0.36	1	15	153	175	0.02	3.82	<10	1.09	211	216	0.022	0.05	64	690	32	20	<20	27	0.16	<10	173	<10	5	64

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 248** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G46087	<0.2	1.13	15	50	<5	0.69	<1	17	131	262	0.03	4.28	<10	1.15	255	634	0.063	0.05	66	560	34	5	<20	17	0.14	<10	158	<10	5	76
32	G46088	0.2	0.79	15	55	<5	0.92	3	15	146	215	0.02	3.56	<10	0.75	303	1017	0.102	0.05	47	740	32	<5	<20	27	0.10	<10	107	<10	4	1283
33	G46089	0.2	0.78	15	45	<5	1.70	1	13	100	162	0.02	3.17	<10	0.57	303	366	0.037	0.05	34	940	32	<5	<20	22	0.06	<10	77	<10	5	341
34	G46090	0.2	0.67	10	135	<5	1.53	<1	8	21	116	0.01	2.91	<10	0.42	684	649	0.065	0.03	20	1120	30	<5	<20	120	0.03	<10	31	<10	17	124
35	G46091	<0.2	1.25	10	70	<5	0.62	<1	14	130	93	0.01	3.48	<10	1.04	251	155	0.015	0.04	41	830	36	<5	<20	50	0.16	<10	148	<10	1	62
36	G46092	<0.2	0.88	5	180	<5	1.22	1	11	15	10	0.00	2.51	<10	0.64	318	<1	0.000	0.03	11	1710	24	5	<20	142	0.09	<10	60	<10	<1	57
37	G46093	<0.2	1.22	10	65	<5	0.45	<1	19	138	144	0.01	3.98	<10	1.10	223	224	0.022	0.05	62	810	36	5	<20	78	0.18	<10	181	<10	2	60
38	G46094	<0.2	1.07	20	80	<5	1.19	<1	15	95	97	0.01	3.21	<10	1.01	261	229	0.023	0.06	37	1300	36	10	<20	38	0.16	<10	114	<10	5	94
39	G46095	0.2	1.32	20	60	<5	0.47	<1	19	161	231	0.02	4.07	<10	1.25	229	192	0.019	0.05	74	600	36	5	<20	33	0.18	<10	185	<10	4	69
40	G46096	0.2	1.35	5	70	<5	0.37	1	21	155	233	0.02	4.35	<10	1.19	283	342	0.034	0.05	77	650	40	20	<20	28	0.19	<10	175	<10	5	86
41	G46097	0.8	1.14	5	60	<5	0.34	<1	18	173	677	0.07	4.05	<10	1.10	237	218	0.022	0.05	64	720	32	<5	<20	21	0.15	<10	160	<10	7	83
42	G46098	0.2	1.13	15	50	<5	0.58	<1	17	166	286	0.03	4.01	<10	1.02	202	558	0.056	0.05	53	550	34	<5	<20	15	0.10	<10	146	<10	3	66
43	G46099	0.7	1.19	25	50	<5	0.60	3	23	148	314	0.03	4.23	<10	1.00	245	495	0.050	0.04	54	520	84	<5	<20	14	0.13	<10	145	<10	2	790
44	G46101	0.2	1.43	10	60	<5	0.67	<1	18	145	219	0.02	4.06	<10	1.16	257	343	0.034	0.06	65	570	42	<5	<20	22	0.17	<10	168	<10	2	75
45	G46102	0.2	1.27	15	55	<5	0.96	<1	20	165	266	0.03	4.68	<10	0.97	235	456	0.046	0.08	75	700	40	<5	<20	19	0.15	<10	149	<10	6	86
46	G46103	0.2	1.34	5	40	<5	0.52	<1	19	150	279	0.03	4.76	<10	1.17	250	252	0.025	0.08	58	790	38	<5	<20	20	0.18	<10	182	<10	3	84
47	G46104	0.2	1.29	10	55	<5	0.75	<1	16	152	208	0.02	4.01	<10	1.09	234	320	0.032	0.06	57	730	40	<5	<20	35	0.17	<10	196	<10	4	76
48	G46105	<0.2	0.05	15	10	<5	>10	<1	<1	4	3	0.00	0.10	<10	>10	70	<1	0.000	<0.01	<1	750	<2	45	<20	116	<0.01	<10	3	<10	<1	8
49	G46106	<0.2	1.46	10	65	<5	1.22	<1	16	156	149	0.01	3.52	<10	1.12	205	102	0.010	0.05	71	570	42	5	<20	34	0.16	<10	205	<10	<1	75

CERTIFICATE OF ASSAY AK 2007-247

TTM Resources 11-Apr-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 32
Sample Type: Core
Project: CHU
Shipment #: 38
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
4	G46110	0.064
11	G46117	0.051
12	G46118	0.056
16	G46123	0.076
17	G46124	0.063
21	G46128	0.059
22	G46129	0.051
23	G46130	0.063
25	G46132	0.063

QC DATA:

Standard:

MP2	0.280
MP2	0.279

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sa
XLS/07

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G46107	0.3	0.80	<5	50	<5	0.57	<1	20	53	307	0.03	3.74	<10	0.56	247	137	0.014	0.09	16	700	10	<5	<20	40	0.13	<10	80	<10	11	41
2	G46108	0.5	0.64	<5	45	<5	0.81	1	14	11	381	0.04	4.32	<10	0.45	315	90	0.009	0.03	7	650	12	<5	<20	11	0.08	<10	65	<10	6	52
3	G46109	0.4	0.67	<5	45	<5	0.40	<1	14	52	281	0.03	3.52	<10	0.41	270	251	0.025	0.05	5	450	8	<5	<20	28	0.09	<10	49	<10	13	66
4	G46110	0.2	0.67	<5	130	<5	1.32	<1	7	18	114	0.01	2.64	10	0.42	616	657	0.066	0.04	15	780	14	<5	<20	110	0.03	<10	31	<10	18	82
5	G46111	0.3	0.76	<5	45	<5	0.49	<1	20	14	411	0.04	5.50	<10	0.69	210	78	0.008	0.03	10	810	6	<5	<20	5	0.10	<10	125	<10	6	46
6	G46112	0.4	0.91	<5	45	<5	0.34	<1	26	49	434	0.04	5.32	<10	0.82	233	115	0.012	0.06	9	760	4	<5	<20	7	0.11	<10	133	<10	10	47
7	G46113	0.3	1.02	<5	55	<5	0.68	1	21	48	307	0.03	4.93	<10	0.81	206	124	0.012	0.07	10	890	12	<5	<20	15	0.11	<10	136	<10	14	42
8	G46114	0.5	0.79	15	50	<5	1.64	2	22	61	270	0.03	5.05	<10	0.54	252	318	0.032	0.03	12	850	30	<5	<20	20	0.04	<10	99	<10	9	144
9	G46115	0.5	1.11	<5	45	<5	1.00	1	23	48	436	0.04	5.42	<10	0.89	271	173	0.017	0.08	12	960	8	<5	<20	16	0.13	<10	149	<10	16	60
10	G46116	0.4	0.56	<5	45	<5	0.94	<1	22	58	246	0.02	5.30	<10	0.45	132	131	0.013	0.03	8	530	8	<5	<20	20	0.04	<10	85	<10	1	47
11	G46117	0.4	1.13	<5	40	<5	1.28	1	24	53	387	0.04	5.44	<10	0.93	292	481	0.048	0.08	10	760	14	<5	<20	20	0.11	<10	141	<10	11	61
12	G46118	0.3	0.45	<5	40	<5	0.44	<1	11	61	183	0.02	3.01	<10	0.27	105	533	0.053	0.03	7	440	6	<5	<20	5	0.02	<10	42	<10	5	24
13	G46119	0.4	0.48	<5	35	<5	0.71	<1	15	23	244	0.02	3.22	<10	0.33	134	338	0.034	0.03	4	900	10	<5	<20	7	0.03	<10	40	<10	9	34
14	G46121	0.7	1.05	<5	45	<5	0.62	<1	20	57	505	0.05	5.09	<10	0.81	293	382	0.038	0.07	7	1020	10	<5	<20	8	0.10	<10	101	<10	14	58
15	G46122	0.8	1.36	<5	50	<5	0.78	2	29	79	754	0.08	7.10	<10	1.39	355	264	0.026	0.07	16	770	12	<5	<20	11	0.15	<10	188	<10	14	89
16	G46123	0.4	0.67	<5	40	<5	0.51	1	18	57	281	0.03	4.13	<10	0.48	164	739	0.074	0.05	7	840	10	<5	<20	6	0.05	<10	64	<10	12	37
17	G46124	0.5	0.64	<5	40	<5	0.32	3	18	52	463	0.05	4.35	<10	0.34	163	661	0.066	0.05	5	940	8	<5	<20	6	0.04	<10	46	<10	10	189
18	G46125	<0.2	0.04	5	20	<5	>10	<1	<1	4	4	0.00	0.10	<10	>10	72	1	0.000	<0.01	<1	420	<2	40	<20	112	<0.01	<10	4	<10	1	5
19	G46126	0.5	0.76	<5	45	<5	0.50	<1	17	77	312	0.03	4.08	<10	0.52	194	297	0.030	0.07	8	880	12	<5	<20	10	0.07	<10	70	<10	14	49
20	G46127	0.4	0.46	<5	45	<5	0.75	<1	14	65	245	0.02	3.70	<10	0.18	102	498	0.050	0.03	4	930	12	<5	<20	10	0.02	<10	24	<10	11	24
21	G46128	1.2	0.51	10	45	<5	0.94	<1	15	67	589	0.06	3.78	<10	0.29	154	615	0.062	0.04	4	990	10	<5	<20	10	0.04	<10	45	<10	14	40
22	G46129	3.1	0.88	10	45	<5	0.74	2	21	45	1486	0.15	6.67	<10	0.70	225	518	0.052	0.04	11	830	10	<5	<20	9	0.08	<10	115	<10	12	90
23	G46130	0.2	0.60	<5	120	<5	1.35	<1	7	19	104	0.01	2.71	10	0.37	618	654	0.065	0.03	16	820	18	<5	<20	92	0.03	<10	30	<10	16	96
24	G46131	1.5	1.07	<5	50	<5	0.70	<1	24	49	1032	0.10	7.34	<10	1.12	307	310	0.031	0.06	8	1040	16	<5	<20	10	0.16	<10	133	<10	14	91
25	G46132	0.5	0.72	5	50	<5	0.93	<1	23	54	494	0.05	5.30	<10	0.61	291	664	0.066	0.06	5	1100	16	<5	<20	12	0.15	<10	64	<10	17	126

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 247** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G46133	0.5	0.68	<5	50	<5	1.00	<1	22	77	396	0.04	4.97	<10	0.54	310	438	0.044	0.05	5	1120	14	<5	<20	10	0.14	<10	62	<10	16	105
27	G46134	0.6	0.71	<5	45	<5	0.84	<1	24	52	525	0.05	6.25	<10	0.47	313	190	0.019	0.05	7	1130	14	<5	<20	10	0.14	<10	73	<10	16	102
28	G46135	0.4	0.59	<5	50	<5	0.88	<1	20	59	368	0.04	5.18	<10	0.41	347	201	0.020	0.05	7	1130	12	<5	<20	11	0.13	<10	66	<10	12	81
29	G46136	0.4	0.61	<5	55	<5	1.14	1	16	37	425	0.04	4.64	<10	0.43	472	314	0.031	0.05	8	1130	12	<5	<20	38	0.12	<10	66	<10	14	79
30	G46137	0.8	0.58	<5	50	<5	1.14	<1	19	56	601	0.06	5.30	<10	0.42	522	461	0.046	0.06	6	1170	16	<5	<20	26	0.13	<10	54	<10	15	78
31	G46138	0.8	0.65	<5	45	<5	0.78	<1	17	55	505	0.05	4.55	<10	0.46	260	414	0.041	0.05	4	1080	10	<5	<20	10	0.13	<10	58	<10	13	75
32	G46139	1.3	0.73	35	55	<5	0.69	<1	24	74	788	0.08	6.99	<10	0.56	282	199	0.020	0.03	9	1010	18	<5	<20	8	0.11	<10	62	<10	10	86

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y
1	G45998	<0.2	1.50	<5	70	<5	0.74	<1	21	39	359	0.04	4.51	<10	1.49	466	265	0.027	0.09	14	1280	18	10	<20	17	0.22	<10	166	<10	5
2	G45999	<0.2	1.03	<5	185	10	0.92	<1	12	43	23	0.00	2.81	<10	0.90	379	<1	0.000	0.09	8	1530	16	<5	<20	49	0.17	<10	84	<10	6
3	G46001	<0.2	1.35	<5	70	<5	0.83	<1	18	86	315	0.03	3.90	<10	1.28	387	223	0.022	0.12	10	1210	18	<5	<20	85	0.19	<10	118	<10	9
4	G46002	0.2	1.89	<5	65	<5	0.62	<1	25	77	703	0.07	5.25	<10	1.93	437	276	0.028	0.13	8	790	20	5	<20	97	0.22	<10	200	<10	8
5	G46003	0.3	1.58	<5	65	<5	1.41	<1	28	93	1001	0.10	6.00	<10	1.52	311	459	0.046	0.10	12	590	22	<5	<20	86	0.16	<10	157	<10	8
6	G46004	0.2	1.58	<5	70	<5	0.49	<1	26	69	775	0.08	5.68	<10	1.56	332	240	0.024	0.12	12	650	22	<5	<20	61	0.17	<10	172	<10	6
7	G46005	<0.2	0.05	<5	5	<5	>10	<1	<1	4	4	0.00	0.10	<10	>10	66	<1	0.000	<0.01	<1	400	<2	40	<20	127	<0.01	<10	3	<10	<1
8	G46006	0.2	1.37	<5	60	<5	0.62	1	19	88	646	0.06	4.52	<10	1.29	312	429	0.043	0.13	10	720	20	<5	<20	117	0.15	<10	143	<10	6
9	G46007	0.3	1.12	<5	65	<5	0.46	<1	19	111	765	0.08	4.73	<10	1.11	266	621	0.062	0.12	10	610	18	<5	<20	50	0.14	<10	133	<10	7
10	G46008	0.4	1.43	<5	75	<5	0.47	<1	32	105	1035	0.10	6.28	<10	1.56	326	586	0.059	0.10	11	450	22	<5	<20	42	0.19	<10	166	<10	5
11	G46009	0.4	1.91	<5	65	<5	0.48	2	34	101	856	0.09	6.15	<10	2.14	598	389	0.039	0.10	17	660	28	20	<20	66	0.22	<10	205	<10	11
12	G46010	<0.2	0.76	<5	110	<5	1.33	<1	6	18	135	0.01	2.50	20	0.53	641	651	0.065	0.05	14	770	14	<5	<20	133	0.03	<10	33	<10	15
13	G46011	0.4	1.56	<5	65	<5	0.52	2	34	104	911	0.09	6.45	<10	1.54	390	294	0.029	0.11	10	600	22	10	<20	31	0.20	<10	164	<10	9
14	G46012	0.4	1.68	<5	60	<5	0.54	1	25	45	971	0.10	6.22	<10	1.75	421	299	0.030	0.10	6	910	18	<5	<20	54	0.21	<10	172	<10	7
15	G46013	0.7	1.78	<5	65	<5	0.54	<1	31	71	1183	0.12	6.62	<10	1.77	625	994	0.099	0.13	6	790	20	<5	<20	51	0.20	<10	167	<10	9
16	G46014	1.1	1.41	<5	75	<5	0.72	2	36	66	1971	0.20	8.95	<10	1.21	381	225	0.023	0.14	8	510	18	<5	<20	32	0.13	<10	130	<10	<1
17	G46015	0.3	1.25	<5	70	<5	0.48	<1	26	85	907	0.09	5.35	<10	1.15	303	843	0.084	0.12	8	670	16	<5	<20	38	0.15	<10	128	<10	12
18	G46016	0.4	1.49	<5	70	<5	0.61	1	26	49	989	0.10	5.85	<10	1.46	349	1334	0.133	0.11	7	820	24	<5	<20	31	0.18	<10	148	<10	11
19	G46017	0.3	1.11	10	65	<5	1.18	<1	30	64	807	0.08	5.41	<10	1.12	298	1194	0.119	0.09	8	700	22	<5	<20	44	0.15	<10	111	<10	10
20	G46018	0.7	0.98	10	50	<5	2.35	<1	26	66	1105	0.11	5.76	<10	0.80	283	543	0.054	0.05	8	570	14	<5	<20	43	0.06	<10	73	<10	4
21	G46019	0.7	1.39	10	40	<5	0.86	2	38	85	1216	0.12	7.29	<10	1.10	360	413	0.041	0.09	9	560	16	<5	<20	81	0.10	<10	121	<10	<1
22	G46021	0.2	0.71	<5	75	<5	0.68	<1	14	61	492	0.05	3.21	10	0.53	201	391	0.039	0.07	6	1050	18	<5	<20	165	0.06	<10	43	<10	11
23	G46022	0.4	0.74	<5	50	<5	0.77	<1	12	66	520	0.05	2.98	10	0.70	265	132	0.013	0.08	5	1290	14	<5	<20	101	0.09	<10	47	<10	6
24	G46023	0.3	1.33	<5	55	<5	0.71	1	22	60	695	0.07	4.27	<10	1.02	255	751	0.075	0.11	9	700	22	<5	<20	276	0.11	<10	114	<10	15
25	G46024	<0.2	0.94	<5	50	<5	0.52	<1	13	94	392	0.04	2.91	<10	0.78	197	310	0.031	0.09	5	600	16	<5	<20	131	0.09	<10	80	<10	18
26	G46025	<0.2	0.04	5	15	<5	>10	<1	<1	2	2	0.00	0.07	<10	>10	64	<1	0.000	<0.01	<1	380	<2	35	<20	136	<0.01	<10	2	<10	2
27	G46026	<0.2	0.81	<5	45	<5	0.64	<1	17	80	447	0.04	3.41	<10	0.64	193	514	0.051	0.09	5	820	12	<5	<20	73	0.10	<10	59	<10	11
28	G46027	<0.2	0.76	<5	70	<5	0.69	<1	10	62	283	0.03	2.38	<10	0.60	180	547	0.055	0.06	5	900	16	<5	<20	62	0.08	<10	50	<10	16
29	G46028	0.2	0.92	<5	40	<5	0.59	<1	18	109	668	0.07	3.86	<10	0.75	215	658	0.066	0.07	11	620	14	<5	<20	64	0.08	<10	64	<10	9
30	G46029	<0.2	0.93	<5	60	<5	0.73	<1	17	64	510	0.05	3.48	<10	0.64	228	454	0.045	0.06	4	530	16	<5	<20	59	0.08	<10	53	<10	12

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 241** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y
31	G46030	<0.2	0.76	<5	140	<5	1.35	<1	7	19	136	0.01	2.52	20	0.53	648	644	0.064	0.05	16	790	20	<5	<20	149	0.02	<10	32	<10	21
32	G46031	0.3	0.74	<5	55	<5	1.28	<1	14	83	710	0.07	3.77	<10	0.64	228	506	0.051	0.06	4	650	16	<5	<20	63	0.06	<10	51	<10	13
33	G46032	0.5	1.04	<5	50	<5	0.80	2	16	64	847	0.08	4.54	<10	0.83	244	343	0.034	0.07	10	1060	16	15	<20	98	0.06	<10	78	<10	12
34	G46033	0.2	0.69	<5	45	<5	0.61	<1	13	54	522	0.05	3.48	<10	0.55	187	470	0.047	0.06	5	910	12	<5	<20	52	0.05	<10	44	<10	8
35	G46034	0.3	0.88	<5	45	<5	0.63	<1	13	101	580	0.06	3.38	<10	0.58	227	862	0.086	0.06	7	490	12	<5	<20	89	0.05	<10	47	<10	10
36	G46035	0.5	1.03	<5	45	<5	0.86	<1	15	74	593	0.06	3.61	<10	0.61	234	531	0.053	0.05	7	500	18	<5	<20	47	0.04	<10	49	<10	10
37	G46036	0.4	0.88	<5	45	<5	1.44	<1	15	96	505	0.05	4.08	<10	0.66	238	699	0.070	0.05	21	980	18	<5	<20	57	0.07	<10	51	<10	11
38	G46037	0.5	0.70	<5	45	<5	1.09	<1	26	55	705	0.07	4.24	<10	0.49	183	428	0.043	0.05	8	640	12	<5	<20	54	0.03	<10	41	<10	8
39	G46038	0.4	0.86	20	35	<5	2.29	<1	16	80	598	0.06	3.61	<10	0.49	204	1598	0.160	0.02	8	710	16	<5	<20	60	<0.01	<10	19	<10	7
40	G46039	0.2	1.72	15	60	<5	2.46	<1	12	46	242	0.02	3.10	20	1.14	368	249	0.025	0.04	7	1590	30	10	<20	100	0.04	<10	62	<10	15
41	G46041	0.3	1.40	10	40	<5	1.33	<1	13	64	441	0.04	3.69	<10	0.79	326	1179	0.118	0.07	8	1100	24	<5	<20	140	0.06	<10	56	<10	8
42	G46042	<0.2	0.64	<5	45	<5	1.67	<1	10	79	340	0.03	2.65	<10	0.39	155	1342	0.134	0.04	6	630	14	<5	<20	61	0.02	<10	30	<10	8
43	G46043	0.3	0.71	<5	40	<5	1.00	1	17	128	572	0.06	3.84	<10	0.39	139	850	0.085	0.05	12	460	10	10	<20	51	0.02	<10	45	<10	7
44	G46044	<0.2	0.87	<5	45	<5	1.58	<1	10	99	388	0.04	2.58	<10	0.56	173	792	0.079	0.04	10	590	12	<5	<20	63	0.03	<10	44	<10	11
45	G46045	<0.2	0.03	<5	20	<5	>10	<1	<1	5	5	0.00	0.08	<10	>10	66	1	0.000	<0.01	<1	320	<2	40	<20	146	<0.01	<10	2	<10	2
46	G46046	0.2	1.35	<5	50	<5	1.70	<1	19	77	685	0.07	4.33	<10	1.16	258	921	0.092	0.03	41	590	22	10	<20	70	0.07	<10	139	<10	14
47	G46047	0.3	1.56	5	60	<5	0.72	<1	20	157	568	0.06	4.54	<10	1.49	277	554	0.055	0.08	75	550	24	<5	<20	65	0.16	<10	238	<10	14
48	G46048	0.4	1.22	10	65	<5	0.77	<1	15	143	421	0.04	3.24	<10	1.13	232	493	0.049	0.07	87	440	22	<5	<20	58	0.13	<10	247	<10	15
49	G46049	0.6	1.41	10	55	<5	1.00	5	17	151	529	0.05	4.16	<10	1.41	406	923	0.092	0.07	74	690	102	<5	<20	40	0.14	<10	194	<10	11
50	G46050	<0.2	0.76	<5	135	<5	1.36	<1	7	19	134	0.01	2.52	20	0.52	647	635	0.064	0.05	15	780	22	<5	<20	144	0.02	<10	32	<10	19

51	G46051	0.2	1.57	<5	65	<5	0.49	<1	18	141	448	0.04	4.14	<10	1.68	313	611	0.061	0.06	91	430	66	<5	<20	39	0.18	<10	248	<10	12
52	G46052	<0.2	1.60	<5	70	<5	0.42	<1	16	144	238	0.02	3.32	<10	1.47	249	592	0.059	0.08	84	400	28	10	<20	222	0.19	<10	228	<10	11
53	G46053	0.7	1.33	5	60	<5	0.41	<1	15	147	470	0.05	3.69	<10	1.28	294	905	0.090	0.07	51	350	22	10	<20	103	0.13	<10	174	<10	11
54	G46054	0.2	2.17	20	60	<5	1.61	<1	19	136	250	0.03	4.56	<10	2.06	345	1031	0.103	0.10	66	700	30	15	<20	72	0.13	<10	201	<10	12

Zn
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CERTIFICATE OF ASSAY AK 2007-0241

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

5-Apr-07

Attention: Ken MacDonald

No. of samples received: 54
Sample Type: Core
Project: CHU
Shipment #: 36
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
9	G46007	0.059
10	G46008	0.058
12	G46010	0.064
15	G46013	0.100
17	G46015	0.083
18	G46016	0.135
19	G46017	0.121
20	G46018	0.053
24	G46023	0.072
27	G46026	0.050
28	G46027	0.055
29	G46028	0.063
31	G46030	0.064
32	G46031	0.050
35	G46034	0.083
36	G46035	0.055
37	G46036	0.071
39	G46038	0.157
41	G46041	0.118
42	G46042	0.141
43	G46043	0.083
44	G46044	0.073
46	G46046	0.090

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0241 5-Apr-07

ET #.	Tag #	Mo (%)
47	G46047	0.055
49	G46049	0.093
50	G46050	0.064
51	G46051	0.059
52	G46052	0.059
53	G46053	0.095
54	G46054	0.099

QC DATA:

Repeat:

24	G46023	0.074
37	G46036	0.073
52	G46052	0.061

Standard:

MP2	0.280
MP2	0.283
MP2	0.282

JJ/dc
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	44700	<0.2	2.93	25	210	<5	1.19	<1	17	192	184	0.02	3.37	<10	1.27	361	31	0.003	0.34	78	640	12	15	<20	110	0.18	<10	175	<10	16	52
2	44720	0.2	0.45	5	60	<5	0.62	<1	8	126	231	0.02	2.34	<10	0.21	129	19	0.002	0.05	25	180	2	<5	<20	22	0.05	<10	42	<10	7	30
3	44740	<0.2	1.61	5	80	<5	0.98	<1	10	162	306	0.03	3.10	<10	0.76	166	18	0.002	0.16	36	460	6	<5	<20	121	0.07	<10	89	<10	5	37
4	44760	0.3	2.25	5	70	<5	1.33	<1	15	161	339	0.03	3.41	<10	0.91	271	99	0.010	0.26	51	820	12	<5	<20	78	0.13	<10	128	<10	11	43
5	44780	0.4	2.44	5	50	<5	1.93	<1	19	160	653	0.07	4.28	<10	1.28	232	225	0.023	0.28	69	920	6	5	<20	163	0.15	<10	142	<10	11	45
6	44800	0.4	1.55	<5	150	<5	0.54	<1	16	150	333	0.03	3.18	<10	1.15	251	212	0.021	0.12	46	820	6	<5	<20	49	0.19	<10	146	<10	15	54
7	44920	0.2	0.66	<5	45	<5	0.24	<1	21	56	296	0.03	4.25	<10	0.46	100	235	0.024	0.06	9	650	2	<5	<20	7	0.04	<10	79	<10	3	29
8	44940	0.4	1.11	5	145	<5	0.73	<1	17	40	594	0.06	4.85	<10	0.78	260	804	0.080	0.16	5	950	6	<5	<20	16	0.14	<10	92	<10	13	50
9	44960	0.5	0.68	<5	75	<5	0.44	<1	17	60	443	0.04	3.93	<10	0.45	163	557	0.056	0.10	4	780	4	<5	<20	19	0.09	<10	57	<10	10	52
10	44980	0.3	0.72	<5	45	<5	0.64	<1	16	46	440	0.04	3.52	<10	0.52	143	569	0.057	0.09	5	970	4	<5	<20	33	0.09	<10	80	<10	23	27
11	44820	<0.2	2.09	15	95	<5	0.75	<1	18	163	275	0.03	4.01	<10	1.17	242	144	0.014	0.17	61	460	2	10	<20	60	0.18	<10	154	<10	15	37
12	44840	<0.2	2.18	<5	115	<5	0.89	<1	20	183	338	0.03	4.12	<10	1.05	264	15	0.002	0.29	53	420	6	<5	<20	70	0.18	<10	120	<10	16	43
13	44860	0.6	1.47	10	75	<5	1.87	<1	19	131	639	0.06	4.71	<10	1.16	326	124	0.012	0.09	43	540	4	<5	<20	50	0.11	<10	127	<10	12	54
14	44880	<0.2	2.45	15	165	<5	1.55	<1	17	164	194	0.02	3.35	<10	1.26	354	145	0.015	0.24	71	530	6	5	<20	87	0.14	<10	135	<10	13	61
15	44900	<0.2	2.05	5	210	<5	0.98	<1	17	213	160	0.02	3.11	<10	0.89	255	10	0.001	0.31	56	510	4	10	<20	77	0.15	<10	133	<10	17	50
16	44600	0.2	1.42	10	70	<5	0.51	<1	16	153	349	0.03	3.55	<10	1.26	258	1612	0.161	0.10	58	620	6	<5	<20	41	0.20	<10	173	<10	17	57
17	44620	0.3	1.62	<5	65	<5	0.61	<1	19	167	635	0.06	4.42	<10	0.98	184	451	0.045	0.17	60	350	2	<5	<20	43	0.13	<10	123	<10	9	28
18	44640	0.3	1.83	<5	145	<5	0.87	1	16	118	245	0.02	3.76	<10	1.38	247	60	0.006	0.06	59	570	4	10	<20	31	0.14	<10	144	<10	12	31
19	44660	0.2	2.69	5	110	<5	1.09	<1	22	200	325	0.03	3.79	<10	1.48	278	33	0.003	0.34	94	610	10	10	<20	115	0.18	<10	176	<10	16	47
20	44661	0.2	0.70	<5	125	<5	1.32	<1	6	19	129	0.01	2.52	20	0.47	623	639	0.064	0.05	15	740	10	<5	<20	155	0.02	<10	32	<10	17	68
21	44662	<0.2	0.05	5	15	<5	>10	<1	<1	4	81	0.01	0.09	<10	>10	68	<1	0.000	<0.01	<1	460	<2	35	<20	160	0.01	<10	3	<10	1	6
22	44680	<0.2	2.36	50	170	30	1.06	5	23	179	207	0.02	3.49	<10	1.56	256	124	0.012	0.15	92	760	52	115	<20	68	0.03	<10	164	<10	37	40
23	44480	0.8	2.42	25	165	<5	1.09	6	17	179	211	0.02	3.60	<10	1.58	255	132	0.013	0.15	92	500	4	105	<20	71	0.05	<10	168	<10	11	31
24	44500	0.3	1.23	<5	90	<5	0.32	2	15	188	294	0.03	3.62	<10	0.94	224	415	0.042	0.12	38	420	<2	<5	<20	19	0.15	<10	143	<10	18	79
25	44520	0.3	1.56	<5	75	<5	0.67	<1	14	160	415	0.04	3.72	<10	1.22	258	710	0.071	0.12	56	530	4	<5	<20	53	0.17	<10	173	<10	18	47

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	44540	<0.2	1.41	<5	140	<5	0.41	<1	15	161	261	0.03	3.39	<10	1.26	258	247	0.025	0.11	57	460	8	5	<20	23	0.19	<10	199	<10	19	49
27	44560	<0.2	1.26	<5	70	<5	0.71	<1	14	145	291	0.03	3.57	<10	1.12	218	83	0.008	0.12	54	730	6	<5	<20	47	0.17	<10	151	<10	17	43
28	44580	0.5	1.08	<5	95	<5	0.45	<1	18	161	469	0.05	3.42	<10	0.78	244	440	0.044	0.15	39	410	6	<5	<20	28	0.15	<10	114	<10	14	48
29	44220	<0.2	2.13	5	340	<5	0.62	<1	16	39	61	0.01	3.87	<10	1.49	584	<1	0.000	0.16	7	580	10	15	<20	22	0.22	<10	120	<10	19	83
30	44240	0.3	1.86	5	95	<5	4.68	2	12	52	90	0.01	2.73	<10	0.45	1341	<1	0.000	0.22	4	710	8	5	<20	87	0.15	<10	81	<10	19	91
31	44260	0.7	1.08	<5	55	<5	1.74	<1	10	44	268	0.03	2.82	<10	0.37	515	<1	0.000	0.11	5	590	<2	<5	<20	23	0.15	<10	87	<10	17	44
32	44280	0.5	1.17	<5	95	<5	0.99	1	14	61	316	0.03	3.02	<10	0.39	535	<1	0.000	0.14	5	580	<2	<5	<20	33	0.15	<10	59	<10	16	61
33	44300	<0.2	2.38	10	225	<5	0.44	1	15	125	106	0.01	3.37	<10	1.33	381	4	0.000	0.13	52	500	<2	15	<20	42	0.23	<10	198	<10	18	63
34	44320	<0.2	2.49	10	205	<5	0.64	<1	16	151	175	0.02	3.69	<10	1.34	332	77	0.008	0.26	48	520	4	<5	<20	52	0.23	<10	192	<10	20	60
35	44340	0.2	1.97	<5	140	<5	0.66	<1	14	159	256	0.03	3.42	<10	1.18	285	154	0.015	0.16	48	500	<2	<5	<20	50	0.20	<10	185	<10	17	56
36	44360	0.8	1.36	<5	120	<5	0.79	<1	16	163	741	0.07	3.04	<10	1.08	298	440	0.044	0.17	55	450	4	10	<20	78	0.15	<10	133	<10	19	46
37	44380	0.6	0.85	<5	65	<5	1.12	1	16	173	511	0.05	3.04	<10	0.66	342	226	0.023	0.10	25	790	<2	<5	<20	88	0.11	<10	71	<10	9	79
38	45100	0.2	1.76	<5	100	<5	0.42	<1	16	178	256	0.03	3.57	<10	1.41	237	261	0.026	0.12	58	490	<2	15	<20	29	0.22	<10	209	<10	22	35
39	45120	0.6	0.98	<5	105	<5	0.49	2	14	159	603	0.06	2.84	<10	0.83	212	921	0.092	0.08	34	450	<2	<5	<20	28	0.12	<10	120	<10	12	69
40	45140	0.8	1.41	<5	150	<5	0.46	<1	22	217	674	0.07	4.50	<10	1.11	283	838	0.084	0.14	57	400	2	<5	<20	36	0.15	<10	171	<10	16	48
41	45161	0.8	1.93	60	50	<5	3.48	2	35	83	1176	0.12	8.11	<10	2.13	541	2909	0.291	0.02	62	470	8	10	<20	891	0.01	<10	79	<10	<1	90
42	45180	0.7	1.57	<5	150	<5	0.75	1	24	166	682	0.07	4.32	<10	1.32	393	935	0.094	0.14	55	480	<2	5	<20	53	0.18	<10	193	<10	19	67
43	45000	0.4	2.13	5	70	<5	1.78	2	22	57	805	0.08	5.29	<10	1.89	356	524	0.052	0.13	9	980	<2	25	<20	44	0.17	<10	184	<10	18	42
44	45020	0.5	1.46	15	65	<5	1.72	<1	13	142	243	0.02	2.93	<10	1.25	388	1744	0.174	0.05	44	390	20	5	<20	65	0.07	<10	140	<10	7	92
45	45040	<0.2	1.02	<5	265	<5	0.59	<1	6	111	17	0.00	2.07	<10	0.62	546	54	0.005	0.09	7	730	4	10	<20	77	0.11	<10	43	<10	11	37
46	45060	0.2	1.19	5	85	<5	0.24	<1	12	195	234	0.02	3.06	<10	1.13	167	875	0.088	0.11	43	300	4	<5	<20	23	0.13	<10	167	<10	10	28
47	45080	0.2	0.55	<5	70	<5	1.08	<1	4	98	203	0.02	1.63	10	0.30	128	78	0.008	0.07	5	740	4	<5	<20	139	0.03	<10	23	<10	6	21
48	45320	<0.2	0.82	<5	215	<5	0.79	<1	8	104	58	0.01	1.98	<10	0.64	234	2	0.000	0.10	10	940	2	5	<20	66	0.14	<10	58	<10	9	24

49	45340	0.6	0.79	10	40	<5	1.45	<1	11	102	379	0.04	3.09	20	0.46	303	72	0.007	0.07	7	1110	<2	<5	<20	97	0.04	<10	32	<10	3	51
50	45360	0.9	1.00	20	90	<5	1.76	<1	18	178	565	0.06	4.02	<10	1.14	560	1051	0.105	0.11	29	800	4	<5	<20	157	0.09	<10	96	<10	7	62
51	45380	1.2	0.77	<5	265	<5	0.75	<1	21	130	824	0.08	3.81	10	0.36	270	946	0.095	0.16	11	830	4	<5	<20	95	0.07	<10	34	<10	2	59
52	45400	2.0	0.99	<5	305	<5	1.14	1	23	138	1132	0.11	4.60	10	0.51	382	243	0.024	0.18	10	1100	2	<5	<20	131	0.08	<10	61	<10	4	62
53	45200	0.3	1.56	5	105	<5	2.53	<1	20	76	283	0.03	4.50	<10	1.56	479	429	0.043	0.08	9	720	8	<5	<20	96	0.11	<10	136	<10	17	43
54	45220	1.1	0.82	15	70	<5	1.19	<1	15	160	645	0.06	3.21	<10	0.78	304	1581	0.158	0.06	45	530	4	<5	<20	52	0.09	<10	101	<10	10	42
55	45240	0.8	0.76	<5	325	<5	0.88	<1	25	104	634	0.06	3.43	<10	0.31	267	380	0.038	0.16	12	750	4	<5	<20	102	0.07	<10	26	<10	3	48
56	45260	0.5	0.56	<5	100	<5	1.01	<1	16	103	389	0.04	2.74	<10	0.39	214	112	0.011	0.08	13	890	4	<5	<20	58	0.09	<10	36	<10	7	32
57	45280	1.4	1.05	5	100	<5	1.70	1	34	70	687	0.07	4.83	<10	0.90	369	548	0.055	0.07	28	990	6	10	<20	53	0.08	<10	65	<10	2	47
58	45300	0.7	0.43	35	35	<5	1.57	5	13	91	438	0.04	3.31	10	0.49	381	148	0.015	0.06	13	1060	4	<5	<20	109	0.01	<10	20	<10	2	506
59	44400	0.8	0.66	10	70	<5	2.00	<1	24	89	678	0.07	3.60	10	0.42	489	1364	0.136	0.06	8	1020	22	<5	<20	92	0.03	<10	37	<10	2	109
60	44420	4.9	0.69	15	85	<5	0.87	3	56	104	2573	0.26	7.63	<10	0.39	229	1563	0.156	0.06	10	800	8	<5	<20	45	0.04	<10	38	<10	<1	101
61	44440	0.2	0.98	<5	95	<5	0.26	<1	11	64	147	0.01	2.81	<10	0.48	271	51	0.005	0.13	6	460	4	5	<20	13	0.13	<10	84	<10	11	63
62	44460	0.3	1.19	10	75	<5	1.40	2	16	103	367	0.04	4.00	<10	0.90	354	282	0.028	0.09	17	810	8	5	<20	50	0.09	<10	85	<10	13	90
63	45440	0.2	1.14	<5	135	<5	0.57	<1	12	72	367	0.04	3.48	<10	0.66	368	235	0.024	0.27	4	630	4	5	<20	39	0.13	<10	69	<10	14	40
64	45460	0.8	0.49	<5	40	<5	1.27	2	23	63	851	0.09	4.97	<10	0.30	247	451	0.045	0.07	11	780	8	5	<20	172	0.08	<10	47	<10	4	37
65	45480	0.3	1.04	5	65	<5	0.43	<1	18	67	218	0.02	3.54	<10	0.96	356	257	0.026	0.08	4	730	8	<5	<20	56	0.15	<10	86	<10	18	46

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007-0233** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
66	45500	0.2	1.00	<5	45	<5	0.53	<1	15	91	260	0.03	3.73	<10	0.89	145	343	0.034	0.05	5	420	8	<5	<20	16	0.06	<10	80	<10	4	34
67	45520	1.0	1.17	10	110	<5	1.38	<1	25	79	993	0.10	7.42	<10	0.92	323	224	0.022	0.18	9	670	8	<5	<20	35	0.14	<10	121	<10	6	56
68	45540	<0.2	0.67	10	40	<5	2.75	<1	3	47	26	0.00	1.28	20	0.28	268	8	0.001	0.06	3	330	18	<5	<20	88	<0.01	<10	8	<10	11	22
69	45560	0.2	1.36	<5	105	<5	0.27	1	13	144	332	0.03	3.62	<10	1.16	214	370	0.037	0.13	51	360	8	15	<20	22	0.13	<10	175	<10	7	41
70	45580	0.3	0.80	<5	30	<5	0.78	<1	4	85	242	0.02	1.33	<10	0.01	80	271	0.027	0.13	5	210	2	<5	<20	83	0.04	<10	11	<10	6	11
71	45600	<0.2	0.90	<5	495	<5	0.77	<1	11	88	7	0.00	2.65	<10	0.82	246	<1	0.000	0.12	17	1570	6	5	<20	51	0.19	<10	87	<10	8	36
72	45620	<0.2	1.87	70	240	<5	0.50	<1	15	148	132	0.01	3.40	<10	1.28	223	23	0.002	0.09	66	600	10	10	<20	25	0.21	<10	193	<10	15	42
73	45640	0.2	2.32	5	150	<5	0.90	<1	17	138	186	0.02	3.77	<10	1.36	296	11	0.001	0.16	60	490	8	15	<20	60	0.17	<10	145	<10	8	38
74	45660	0.5	1.22	<5	60	<5	0.55	<1	17	159	544	0.05	4.21	<10	0.82	170	324	0.032	0.11	67	430	4	10	<20	75	0.11	<10	110	<10	8	30
75	45680	0.2	2.64	5	190	<5	0.98	<1	17	179	275	0.03	3.76	<10	1.32	258	55	0.006	0.23	60	550	8	5	<20	81	0.18	<10	174	<10	11	44
76	45700	0.2	2.95	<5	80	<5	1.14	<1	22	218	297	0.03	4.10	<10	1.53	290	60	0.006	0.33	97	630	2	10	<20	139	0.19	<10	181	<10	13	50
77	45720	0.9	1.95	40	55	<5	1.11	1	21	239	615	0.06	4.81	<10	1.21	297	550	0.055	0.12	82	530	4	10	<20	86	0.12	<10	140	<10	10	55
78	45740	<0.2	0.57	<5	60	<5	1.52	<1	2	73	15	0.00	0.92	20	0.16	231	6	0.001	0.04	3	280	14	<5	<20	35	<0.01	<10	11	<10	10	25
79	45760	1.3	1.58	50	60	<5	2.44	2	10	66	360	0.04	3.08	<10	1.00	529	198	0.020	0.03	41	700	172	5	<20	119	0.02	<10	59	<10	7	248
80	45780	0.3	1.91	20	155	<5	1.40	<1	16	144	160	0.02	3.70	<10	1.19	350	56	0.006	0.08	61	540	8	<5	<20	109	0.09	<10	135	<10	10	59
81	45800	1.1	1.63	35	80	<5	3.42	1	17	153	603	0.06	3.75	<10	1.33	450	252	0.025	0.04	64	480	4	10	<20	88	0.04	<10	132	<10	9	68
82	45820	0.3	1.35	10	80	<5	1.12	1	19	152	345	0.03	3.67	<10	1.16	288	528	0.053	0.06	53	520	6	10	<20	53	0.14	<10	162	<10	16	55
83	45840	0.4	1.23	10	60	<5	1.28	<1	14	166	348	0.03	3.27	10	1.02	276	417	0.042	0.05	38	680	4	10	<20	61	0.06	<10	112	<10	11	43
84	45860	0.5	0.83	<5	45	<5	1.26	<1	25	55	693	0.07	5.54	<10	0.34	332	95	0.010	0.13	7	1030	6	<5	<20	44	0.14	<10	64	<10	13	44
85	45880	0.4	0.90	<5	45	<5	0.73	<1	9	101	412	0.04	3.42	<10	0.62	303	447	0.045	0.09	5	420	2	<5	<20	98	0.08	<10	45	<10	10	52
86	45900	0.5	1.55	5	55	<5	1.37	<1	23	47	429	0.04	4.51	<10	1.08	648	294	0.029	0.08	7	710	10	<5	<20	97	0.15	<10	100	<10	12	62

CERTIFICATE OF ASSAY AK 2007-0233

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

5-Apr-07

Attention: Ken MacDonald

No. of samples received: 86
Sample Type: Core
Project: Chu
Shipment #: 34
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
8	44940	0.083
9	44960	0.058
10	44980	0.055
16	44600	0.159
20	44661	0.065
25	44520	0.069
39	45120	0.092
40	45140	0.084
41	45161	0.287
42	45180	0.093
43	45000	0.050
44	45020	0.175
46	45060	0.090
50	45360	0.102
51	45380	0.098
54	45220	0.158
57	45280	0.052
59	44400	0.133
60	44420	0.160
77	45720	0.053
82	45820 Dup	0.050

QC DATA:

Repeat:

8	44940	0.084
60	44420	0.163

Standard:

MP2	0.278
MP2	0.281
MP2	0.277

JJ/dc
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W
1	45904	0.3	0.76	<5	50	<5	1.87	<1	9	66	129	0.01	2.92	<10	0.55	431	213	0.021	0.07	2	370	4	<5	<20	19	0.06	<10	37	<10
2	45905	<0.2	0.03	10	15	<5	>10	<1	<1	5	3	0.00	0.07	<10	>10	72	<1	0.000	<0.01	<1	430	<2	40	<20	135	<0.01	<10	3	<10
3	45906	0.2	0.88	<5	50	<5	0.62	<1	12	79	222	0.02	3.23	<10	0.70	490	168	0.017	0.10	4	440	4	<5	<20	13	0.12	<10	61	<10
4	45907	0.3	1.12	<5	55	<5	0.91	<1	17	70	302	0.03	3.67	<10	0.80	341	212	0.021	0.11	4	580	10	<5	<20	21	0.14	<10	90	<10
5	45908	0.5	1.04	<5	75	<5	0.80	<1	21	58	540	0.05	5.57	<10	0.81	405	225	0.023	0.12	7	580	6	<5	<20	15	0.15	<10	100	<10
6	45909	0.5	1.10	<5	75	<5	1.01	<1	22	47	363	0.04	5.01	<10	0.81	572	989	0.099	0.12	6	620	6	<5	<20	24	0.14	<10	97	<10
7	45910	<0.2	0.72	<5	120	<5	1.30	<1	7	18	120	0.01	2.54	20	0.46	614	634	0.063	0.04	15	730	12	<5	<20	119	0.02	<10	32	<10
8	45911	0.5	0.99	<5	50	<5	0.80	<1	19	50	436	0.04	4.41	<10	0.85	348	222	0.022	0.09	5	620	<2	<5	<20	17	0.14	<10	95	<10
9	45912	1.2	1.21	10	55	<5	1.81	<1	17	100	830	0.08	5.69	<10	1.01	272	1140	0.114	0.09	6	400	6	<5	<20	19	0.09	<10	107	<10
10	45913	0.5	1.33	<5	55	<5	1.48	<1	20	60	600	0.06	5.30	<10	1.26	490	276	0.028	0.08	5	580	2	<5	<20	17	0.15	<10	124	<10
11	45914	0.4	1.49	<5	65	<5	0.85	<1	25	80	416	0.04	5.28	<10	1.41	537	346	0.035	0.12	7	640	6	<5	<20	23	0.20	<10	147	<10
12	45915	0.4	1.52	<5	85	<5	0.94	<1	22	59	331	0.03	5.41	<10	1.46	619	75	0.008	0.10	6	670	12	<5	<20	20	0.21	<10	155	<10
13	45916	0.5	0.59	<5	45	<5	1.09	<1	15	79	506	0.05	4.84	<10	0.43	279	309	0.031	0.08	6	480	4	<5	<20	27	0.12	<10	52	<10
14	45917	0.4	0.45	<5	45	<5	0.74	<1	19	81	460	0.05	4.45	<10	0.22	229	270	0.027	0.08	3	360	4	<5	<20	11	0.08	<10	27	<10
15	45918	0.4	0.56	<5	40	<5	1.01	<1	13	94	384	0.04	3.78	<10	0.36	221	134	0.013	0.08	3	400	4	<5	<20	12	0.08	<10	37	<10
16	45919	0.3	0.61	<5	50	<5	0.81	<1	11	111	300	0.03	3.18	<10	0.43	212	208	0.021	0.09	3	430	6	<5	<20	17	0.08	<10	36	<10
17	45921	0.4	0.53	<5	40	<5	1.13	<1	16	81	507	0.05	4.76	<10	0.35	208	465	0.047	0.08	5	440	6	<5	<20	27	0.08	<10	40	<10
18	45922	0.7	0.77	<5	45	<5	1.20	<1	26	67	836	0.08	6.62	<10	0.64	289	276	0.028	0.07	7	640	8	<5	<20	36	0.11	<10	66	<10
19	45923	0.4	1.18	<5	55	<5	0.84	<1	22	77	431	0.04	4.97	<10	0.98	287	415	0.042	0.10	5	800	10	<5	<20	21	0.13	<10	117	<10
20	45924	0.3	0.77	<5	65	<5	0.49	<1	17	66	448	0.04	4.57	<10	0.42	162	233	0.023	0.09	3	980	8	<5	<20	13	0.08	<10	63	<10
21	45925	<0.2	0.07	5	25	<5	>10	<1	<1	4	5	0.00	0.10	<10	>10	80	<1	0.000	<0.01	<1	400	<2	35	<20	113	<0.01	<10	3	<10
22	45926	0.4	1.16	<5	80	<5	0.68	1	20	44	441	0.04	5.12	<10	0.94	324	673	0.067	0.11	5	1180	8	<5	<20	13	0.14	<10	86	<10
23	45927	0.7	0.72	20	40	<5	2.76	17	16	56	709	0.07	4.64	<10	0.41	451	1408	0.141	0.06	3	1130	20	<5	<20	17	0.03	<10	44	<10
24	45928	0.7	0.97	15	50	<5	1.96	<1	15	61	452	0.05	4.39	<10	0.78	292	573	0.057	0.07	2	1090	10	<5	<20	38	0.08	<10	69	<10
25	45929	0.6	1.08	<5	80	<5	0.53	1	23	61	513	0.05	4.97	<10	0.82	344	536	0.054	0.17	2	1000	4	<5	<20	18	0.15	<10	84	<10
26	45930	<0.2	0.66	<5	125	<5	1.38	<1	7	19	105	0.01	2.66	10	0.42	636	634	0.063	0.04	15	790	14	<5	<20	100	0.02	<10	31	<10
27	45931	0.3	0.96	<5	85	<5	0.49	<1	16	60	295	0.03	4.01	<10	0.74	256	250	0.025	0.14	2	1090	12	<5	<20	19	0.14	<10	85	<10
28	45932	0.4	1.00	<5	85	<5	0.47	1	19	77	444	0.04	5.06	<10	0.61	270	254	0.025	0.17	4	920	10	<5	<20	20	0.13	<10	79	<10
29	45933	0.2	1.38	<5	105	<5	0.53	<1	17	50	236	0.02	4.10	<10	1.10	545	180	0.018	0.19	4	1180	10	<5	<20	22	0.23	<10	102	<10
30	45934	0.4	1.30	<5	85	<5	0.64	<1	19	73	410	0.04	4.59	<10	0.95	389	218	0.022	0.21	4	1090	6	<5	<20	20	0.19	<10	87	<10

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007-0217** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W
31	45935	1.1	0.96	<5	65	<5	0.50	<1	29	56	946	0.09	7.40	<10	0.48	255	261	0.026	0.11	4	990	6	<5	<20	17	0.10	<10	64	<10
32	45936	1.4	0.82	<5	65	<5	0.53	<1	20	72	951	0.10	5.84	<10	0.41	249	541	0.054	0.09	4	900	10	<5	<20	15	0.07	<10	62	<10
33	45937	0.8	0.88	<5	60	<5	0.85	1	20	61	641	0.06	4.98	<10	0.44	226	358	0.036	0.11	3	1050	10	<5	<20	20	0.11	<10	54	<10
34	45938	0.9	0.94	<5	130	<5	0.86	2	18	68	706	0.07	5.11	<10	0.53	313	220	0.022	0.13	3	940	8	<5	<20	20	0.14	<10	62	<10
35	45939	0.6	1.15	<5	145	<5	0.57	1	19	62	506	0.05	4.84	<10	0.69	309	625	0.063	0.17	4	1120	14	<5	<20	21	0.13	<10	78	<10
36	45941	0.5	0.80	<5	60	<5	0.48	<1	20	57	518	0.05	4.73	<10	0.50	198	405	0.041	0.09	3	1220	10	<5	<20	10	0.09	<10	62	<10
37	45942	0.6	1.06	<5	115	<5	0.58	<1	21	68	587	0.06	5.69	<10	0.58	192	385	0.039	0.18	6	970	6	<5	<20	18	0.14	<10	109	<10
38	45943	0.4	1.01	<5	210	<5	0.52	<1	17	74	554	0.06	5.02	<10	0.46	167	407	0.041	0.16	4	990	6	<5	<20	18	0.13	<10	80	<10
39	45944	0.4	1.09	<5	225	<5	0.51	<1	15	67	470	0.05	4.49	<10	0.62	217	341	0.034	0.14	2	1080	10	<5	<20	20	0.14	<10	75	<10
40	45945	<0.2	0.06	10	15	<5	>10	<1	<1	4	4	0.00	0.11	<10	>10	73	<1	0.000	<0.01	<1	510	<2	35	<20	112	<0.01	<10	4	<10
41	45946	0.4	1.15	<5	150	<5	0.63	<1	17	73	437	0.04	4.30	<10	0.75	246	276	0.028	0.16	2	1120	12	<5	<20	21	0.17	<10	80	<10
42	45947	0.3	0.98	<5	105	<5	0.62	<1	17	57	442	0.04	4.35	<10	0.68	202	304	0.030	0.12	2	990	10	<5	<20	16	0.15	<10	80	<10
43	45948	0.7	0.81	20	50	<5	1.35	1	26	93	785	0.08	6.42	<10	0.46	220	559	0.056	0.07	6	770	16	<5	<20	18	0.06	<10	57	<10
44	45949	0.5	0.94	20	60	<5	1.25	<1	17	71	435	0.04	4.25	<10	0.76	229	446	0.045	0.10	2	1050	10	<5	<20	15	0.13	<10	83	<10
45	45950	<0.2	0.66	<5	130	<5	1.39	<1	7	19	107	0.01	2.68	10	0.43	640	644	0.064	0.04	16	800	14	<5	<20	103	0.02	<10	31	<10
46	45951	0.5	1.06	10	70	<5	1.28	<1	21	60	419	0.04	4.65	<10	0.98	246	157	0.016	0.10	1	1090	12	<5	<20	16	0.14	<10	85	<10
47	45952	0.4	0.94	<5	55	<5	1.39	<1	14	37	309	0.03	3.69	<10	0.92	239	378	0.038	0.07	2	1230	14	<5	<20	15	0.11	<10	80	<10
48	45953	0.5	0.98	10	45	<5	1.37	<1	14	60	314	0.03	4.23	<10	0.90	278	153	0.015	0.07	4	1050	14	<5	<20	16	0.09	<10	80	<10
49	45954	0.6	0.51	5	45	<5	1.84	<1	14	56	454	0.05	4.15	<10	0.27	238	407	0.041	0.06	3	1050	12	<5	<20	21	0.02	<10	37	<10
50	45955	0.4	0.98	<5	95	<5	0.79	<1	19	61	341	0.03	4.05	<10	0.89	255	237	0.024	0.10	1	1030	20	<5	<20	18	0.15	<10	86	<10
51	45956	0.5	0.63	5	55	<5	1.13	<1	18	43	478	0.05	4.36	<10	0.43	184	364	0.036	0.07	3	1100	14	<5	<20	14	0.09	<10	61	<10
52	45957	0.4	0.52	<5	60	<5	1.80	<1	23	58	393	0.04	4.54	<10	0.36	252	255	0.026	0.08	3	1010	18	<5	<20	31	0.06	<10	40	<10

53	45958	0.5	0.94	5	115	<5	0.73	<1	18	82	368	0.04	3.99	<10	0.56	248	487	0.049	0.14	5	1040	12	<5	<20	27	0.13	<10	64	10
54	45959	0.5	1.11	<5	80	<5	0.70	<1	20	69	431	0.04	4.64	<10	0.91	421	638	0.064	0.11	3	1020	14	<5	<20	19	0.13	<10	79	<10
55	45961	0.5	0.91	15	65	<5	0.98	<1	16	52	349	0.03	3.70	<10	0.83	260	497	0.050	0.06	2	1140	16	<5	<20	13	0.13	<10	73	<10
56	45962	0.4	0.66	5	55	<5	1.47	<1	12	61	291	0.03	3.47	<10	0.54	262	272	0.027	0.06	3	1110	12	<5	<20	17	0.09	<10	54	<10
57	45963	0.2	0.58	<5	60	<5	0.69	<1	10	76	233	0.02	2.90	<10	0.44	255	248	0.025	0.06	3	990	12	<5	<20	14	0.11	<10	47	<10
58	45964	0.2	0.81	<5	75	<5	0.66	<1	14	55	282	0.03	3.52	<10	0.64	259	345	0.035	0.08	1	1070	12	<5	<20	12	0.16	<10	72	<10
59	45965	<0.2	0.03	10	20	<5	>10	<1	<1	5	2	0.00	0.08	<10	>10	80	<1	0.000	<0.01	<1	410	<2	35	<20	100	<0.01	<10	2	<10
60	45966	0.2	1.07	<5	85	<5	0.61	<1	16	39	339	0.03	4.23	<10	0.91	348	428	0.043	0.09	2	1150	16	<5	<20	13	0.18	<10	86	<10
61	45967	0.3	0.98	5	130	<5	0.62	<1	18	63	406	0.04	4.35	<10	0.65	290	1430	0.143	0.11	2	1050	14	<5	<20	21	0.12	<10	75	<10
62	45968	0.2	0.68	<5	115	<5	0.88	<1	11	90	246	0.02	3.04	<10	0.43	216	374	0.037	0.10	3	1170	10	<5	<20	43	0.11	<10	37	<10
63	45969	0.3	0.46	<5	80	<5	0.77	<1	11	86	199	0.02	2.67	<10	0.35	186	280	0.028	0.07	4	1170	10	<5	<20	29	0.10	<10	33	<10
64	45970	<0.2	0.59	<5	115	<5	1.44	1	8	19	95	0.01	2.78	10	0.38	649	640	0.064	0.03	19	860	18	<5	<20	107	0.02	<10	30	<10
65	45971	0.4	0.75	<5	110	<5	0.70	<1	17	78	339	0.03	3.84	<10	0.53	230	292	0.029	0.10	3	1050	10	<5	<20	23	0.13	<10	52	<10
66	45972	0.4	0.93	<5	110	<5	0.62	<1	20	71	394	0.04	4.52	<10	0.68	258	637	0.064	0.11	4	1040	14	<5	<20	22	0.15	<10	62	<10
67	45973	0.2	0.88	<5	125	<5	0.60	<1	13	53	228	0.02	3.17	<10	0.68	257	408	0.041	0.11	<1	1070	16	<5	<20	27	0.16	<10	61	<10
68	45974	0.2	0.69	<5	150	<5	0.77	<1	15	81	243	0.02	3.17	<10	0.40	215	231	0.023	0.12	3	1080	12	<5	<20	42	0.11	<10	42	<10
69	45975	0.2	0.83	<5	155	<5	0.77	<1	12	91	278	0.03	3.19	<10	0.55	257	256	0.026	0.13	3	1140	16	<5	<20	44	0.14	<10	51	<10
70	45976	0.7	1.11	<5	165	<5	0.68	<1	25	61	578	0.06	5.81	<10	0.78	359	624	0.062	0.13	3	1140	18	<5	<20	27	0.17	<10	92	<10
71	45977	0.5	0.93	<5	160	<5	0.60	<1	18	102	426	0.04	4.24	<10	0.47	215	1178	0.118	0.13	5	1070	16	<5	<20	24	0.12	<10	73	<10
72	45978	0.3	0.88	5	85	<5	0.49	<1	19	75	400	0.04	4.46	<10	0.60	233	1498	0.150	0.10	3	920	16	<5	<20	19	0.11	<10	69	<10
73	45979	0.4	1.12	<5	120	<5	0.53	<1	21	69	484	0.05	5.13	<10	0.81	309	753	0.075	0.12	6	990	16	<5	<20	28	0.17	<10	93	<10
74	45981	0.5	1.29	<5	110	<5	0.73	<1	31	104	653	0.07	6.46	<10	1.05	326	349	0.035	0.14	10	900	24	<5	<20	37	0.21	<10	139	<10
75	45982	0.6	1.05	<5	125	<5	0.78	<1	26	87	552	0.06	5.92	<10	0.95	313	542	0.054	0.12	10	920	18	<5	<20	36	0.19	<10	128	<10

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W
76	45983	0.5	1.14	<5	120	<5	0.72	<1	24	95	425	0.04	5.14	<10	0.99	396	323	0.032	0.14	9	1090	22	<5	<20	33	0.23	<10	147	<10
77	45984	0.6	1.41	<5	105	<5	0.80	<1	31	117	723	0.07	6.81	<10	1.24	457	381	0.038	0.15	11	820	18	<5	<20	32	0.26	<10	181	<10
78	45985	<0.2	0.04	10	15	<5	>10	<1	<1	4	2	0.00	0.09	<10	>10	67	<1	0.000	<0.01	<1	410	<2	35	<20	99	<0.01	<10	2	<10
79	45986	0.5	1.21	<5	105	<5	0.74	<1	27	87	636	0.06	6.35	<10	1.09	336	311	0.031	0.13	12	800	14	<5	<20	25	0.24	<10	171	<10
80	45987	0.3	1.40	<5	130	<5	0.85	<1	26	97	558	0.06	5.71	<10	1.16	375	656	0.066	0.17	10	800	18	<5	<20	72	0.22	<10	161	<10
81	45988	0.4	1.40	<5	130	<5	0.81	<1	32	100	709	0.07	6.95	<10	1.17	345	855	0.086	0.16	13	700	12	<5	<20	73	0.20	<10	155	<10
82	45989	0.6	1.21	<5	115	<5	0.54	<1	32	83	894	0.09	6.79	<10	1.02	303	416	0.042	0.14	10	710	12	<5	<20	35	0.22	<10	156	<10
83	45990	<0.2	0.64	<5	135	<5	1.44	<1	7	19	101	0.01	2.79	10	0.40	655	635	0.064	0.04	16	850	18	<5	<20	97	0.02	<10	31	<10
84	45991	0.5	1.64	<5	120	<5	0.55	<1	40	81	706	0.07	7.22	<10	1.64	527	526	0.053	0.14	11	840	18	<5	<20	44	0.30	<10	230	<10
85	45992	1.0	1.17	<5	150	<5	0.59	1	31	88	1003	0.10	6.81	<10	0.84	304	232	0.023	0.14	12	800	12	<5	<20	42	0.17	<10	170	<10
86	45993	0.9	1.64	<5	100	<5	0.51	1	29	86	880	0.09	6.84	<10	1.78	571	578	0.058	0.14	10	730	14	<5	<20	49	0.24	<10	210	<10
87	45994	0.8	1.41	<5	145	<5	0.60	5	26	109	783	0.08	6.28	<10	1.40	413	224	0.022	0.13	10	800	20	<5	<20	48	0.22	<10	170	10
88	45995	0.4	1.69	<5	235	<5	0.65	<1	27	78	576	0.06	6.29	<10	1.76	500	198	0.020	0.12	10	930	22	<5	<20	30	0.31	<10	226	<10
89	45996	0.3	1.31	<5	115	<5	0.59	<1	26	73	492	0.05	5.49	<10	1.29	351	396	0.040	0.12	9	820	16	<5	<20	20	0.25	<10	192	<10
90	45997	0.3	1.19	<5	90	<5	0.39	<1	25	61	431	0.04	5.20	<10	0.97	352	666	0.067	0.09	9	770	18	<5	<20	16	0.21	<10	198	<10

Y	Zn
8	45
2	7
12	47
12	48
7	70
7	62
17	77
8	51
5	37
9	60
13	82
13	101
8	42
7	31
8	40
10	36
5	43
5	60
12	66
14	33
1	5
15	73
12	1885
17	63
16	146
17	82
21	59
18	73
26	87
18	75

Y	Zn
12	51
12	45
15	35
17	251
19	112
18	58
15	54
15	44
20	64
<1	5
20	63
16	47
9	63
21	45
17	81
22	50
23	51
20	64
16	48
25	77
18	44
14	50

14	52
15	79
20	64
18	62
16	51
21	61
<1	5
23	77
21	56
11	41
8	35
17	90
14	50
17	72
15	59
10	44
13	61
16	98
21	54
15	67
19	93
16	100
12	99

Y	Zn
14	168
14	120
1	6
14	95
12	96
8	89
12	92
17	104
16	174
15	96
17	171
15	360
20	128
16	95
16	93

CERTIFICATE OF ASSAY AK 2007-0217

TTM Resources 10-Apr-07

520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 90
Sample Type: Core
Project: CHU
Shipment #: 35
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
6	45909	0.099
7	45910	0.063
9	45912	0.111
22	45926	0.071
23	45927	0.132
24	45928	0.054
25	45929	0.056
26	45930	0.064
32	45936	0.057
35	45939	0.062
43	45948	0.053
45	45950	0.063
54	45959	0.062
61	45967	0.134
64	45970	0.063
66	45972	0.061
70	45976	0.063
71	45977	0.113
72	45978	0.145
73	45979	0.077
75	45982	0.058

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0217 10-Apr-07

ET #.	Tag #	Mo (%)
80	45987	0.062
81	45988	0.089
83	45990	0.061
84	45991	0.055
86	45993	0.059
90	45997	0.069
QC DATA:		
Repeat:		
6	45909	0.103
32	45936	0.056
66	45972	0.063
Standard:		
MP2		0.277
MP2		0.282
MP2		0.280

JJ/kk
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	45851	0.5	1.00	<5	55	<5	1.01	<1	20	25	334	0.03	4.90	<10	0.47	342	108	0.011	0.10	5	1070	24	<5	<20	37	0.15	<10	77	<10	9	62
2	45852	0.8	0.73	<5	45	<5	1.76	1	29	31	826	0.08	8.44	<10	0.16	444	319	0.032	0.07	9	980	16	<5	<20	68	0.11	<10	70	<10	<1	57
3	45853	0.9	0.63	<5	40	<5	1.19	1	28	38	770	0.08	8.09	<10	0.25	292	70	0.007	0.10	8	850	12	<5	<20	18	0.12	<10	49	<10	<1	67
4	45854	0.7	0.63	<5	45	<5	0.91	1	27	27	447	0.04	5.42	<10	0.40	320	31	0.003	0.08	6	1100	16	<5	<20	12	0.12	<10	49	<10	6	83
5	45855	0.6	0.67	<5	55	<5	0.88	<1	26	26	504	0.05	6.10	<10	0.36	263	24	0.002	0.11	5	1160	14	<5	<20	15	0.13	<10	55	<10	5	50
6	45856	0.5	0.48	<5	50	<5	0.98	1	27	34	523	0.05	5.74	<10	0.18	231	38	0.004	0.09	6	1220	14	<5	<20	15	0.12	<10	40	<10	6	44
7	45857	0.6	0.65	<5	45	<5	1.12	<1	24	41	561	0.06	5.97	<10	0.44	345	93	0.009	0.09	7	1160	14	<5	<20	15	0.13	<10	56	<10	4	69
8	45858	0.8	0.67	10	25	<5	1.62	<1	28	22	541	0.05	5.51	<10	0.23	310	50	0.005	0.07	6	1220	16	<5	<20	20	0.10	<10	52	<10	4	49
9	45859	0.4	0.63	<5	40	<5	1.19	<1	26	34	478	0.05	5.94	<10	0.25	306	85	0.009	0.08	6	1160	16	<5	<20	20	0.13	<10	53	<10	5	53
10	45861	0.2	0.75	<5	80	<5	0.83	<1	18	25	235	0.02	3.85	<10	0.62	406	33	0.003	0.08	3	1190	18	<5	<20	7	0.15	<10	60	<10	8	68
11	45862	0.2	0.75	<5	50	<5	0.78	1	24	42	333	0.03	4.68	<10	0.62	332	100	0.010	0.10	8	1220	16	<5	<20	7	0.13	<10	62	<10	8	64
12	45863	0.6	0.59	<5	40	<5	1.14	1	27	28	764	0.08	6.89	<10	0.26	331	235	0.024	0.08	7	1000	12	<5	<20	25	0.10	<10	46	<10	<1	55
13	45864	0.5	0.72	<5	45	<5	1.04	<1	24	41	592	0.06	5.81	<10	0.46	298	298	0.030	0.09	6	920	16	<5	<20	27	0.11	<10	65	<10	2	65
14	45865	<0.2	0.03	5	5	<5	>10	<1	<1	4	10	0.00	0.09	<10	>10	73	<1	0.000	<0.01	<1	460	<2	35	<20	106	0.01	<10	4	<10	<1	10
15	45866	0.4	0.92	10	50	<5	0.97	<1	23	37	488	0.05	5.08	<10	0.85	360	172	0.017	0.08	5	1000	14	<5	<20	14	0.16	<10	84	<10	5	59
16	45867	0.6	1.15	20	80	<5	1.61	<1	24	40	506	0.05	5.73	<10	1.05	468	683	0.068	0.07	5	990	36	<5	<20	35	0.14	<10	103	<10	7	77
17	45868	0.5	1.14	20	60	<5	3.45	<1	22	34	446	0.04	5.72	<10	0.84	680	391	0.039	0.07	6	880	28	<5	<20	54	0.09	<10	95	<10	4	79
18	45869	0.4	1.35	25	80	<5	3.75	<1	25	31	417	0.04	5.75	<10	0.89	660	277	0.028	0.08	7	900	26	<5	<20	49	0.15	<10	130	<10	2	73
19	45870	0.2	0.75	5	140	<5	1.43	<1	7	19	115	0.01	2.77	20	0.45	644	649	0.065	0.04	15	910	20	<5	<20	117	0.03	<10	33	<10	17	85
20	45871	0.5	1.16	<5	70	<5	1.77	<1	24	33	467	0.05	5.44	<10	0.98	478	271	0.027	0.09	5	980	26	<5	<20	27	0.14	<10	114	<10	3	69
21	45872	0.7	1.41	30	110	<5	5.88	<1	24	26	636	0.06	6.60	<10	1.12	1114	338	0.034	0.06	4	790	26	<5	<20	24	0.11	<10	125	<10	2	75
22	45873	1.5	1.35	<5	50	<5	1.06	2	28	36	1065	0.11	7.95	<10	0.74	480	122	0.012	0.13	8	990	26	<5	<20	15	0.10	<10	112	<10	<1	103
23	45874	1.5	1.58	<5	60	<5	1.73	1	41	26	1134	0.11	>10	<10	0.91	687	509	0.051	0.11	7	1020	24	<5	<20	19	0.11	<10	119	<10	<1	81
24	45875	0.9	1.92	<5	40	<5	1.87	2	25	32	788	0.08	6.33	<10	0.57	296	133	0.013	0.24	8	960	30	<5	<20	32	0.12	<10	81	<10	<1	55
25	45876	0.7	1.86	<5	60	50	1.11	1	19	40	561	0.06	5.14	<10	1.00	444	121	0.012	0.19	6	890	32	<5	<20	24	0.17	<10	153	<10	4	72

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007-0214** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	45877	0.5	1.34	5	70	<5	1.29	<1	16	35	361	0.04	3.87	<10	0.56	369	258	0.026	0.13	5	620	26	<5	<20	91	0.10	<10	79	<10	6	47
27	45878	0.3	0.69	<5	50	<5	0.90	<1	9	55	223	0.02	2.97	<10	0.46	303	164	0.016	0.06	2	490	16	<5	<20	34	0.07	<10	38	<10	9	39
28	45879	0.3	0.76	<5	35	<5	1.04	<1	10	44	259	0.03	3.16	<10	0.51	286	390	0.039	0.06	3	550	18	<5	<20	65	0.08	<10	41	<10	8	53
29	45881	0.3	0.63	5	25	<5	0.94	<1	8	53	216	0.02	2.81	<10	0.38	260	144	0.014	0.06	2	520	14	<5	<20	35	0.07	<10	33	<10	9	39
30	45882	0.3	0.48	<5	35	<5	0.73	<1	11	40	299	0.03	3.70	<10	0.23	248	167	0.017	0.05	2	440	12	<5	<20	10	0.07	<10	25	<10	6	34
31	45883	0.2	0.63	<5	35	<5	0.44	<1	11	59	169	0.02	2.89	<10	0.46	263	201	0.020	0.06	3	480	16	<5	<20	12	0.08	<10	38	<10	6	39
32	45884	0.4	0.77	5	20	<5	1.47	<1	9	50	403	0.04	4.29	<10	0.46	354	270	0.027	0.05	2	450	12	<5	<20	15	0.06	<10	39	<10	3	49
33	45885	<0.2	0.03	10	5	<5	>10	<1	<1	5	8	0.00	0.08	<10	>10	79	<1	0.000	<0.01	<1	430	<2	50	<20	120	<0.01	<10	4	<10	<1	10
34	45886	0.5	0.59	<5	40	<5	0.59	1	10	46	468	0.05	4.11	<10	0.42	303	339	0.034	0.07	3	460	18	<5	<20	13	0.09	<10	36	<10	5	58
35	45887	0.3	0.81	<5	45	<5	0.50	1	9	50	161	0.02	2.66	<10	0.57	394	136	0.014	0.09	3	540	30	<5	<20	17	0.10	<10	47	<10	10	137
36	45888	0.4	0.92	<5	50	<5	0.64	<1	20	51	355	0.04	4.81	<10	0.80	406	338	0.034	0.09	6	690	20	<5	<20	9	0.14	<10	97	<10	3	83
37	45889	0.3	0.85	5	35	<5	1.30	<1	15	44	261	0.03	3.66	<10	0.76	339	124	0.012	0.06	5	650	18	<5	<20	9	0.10	<10	77	<10	6	57
38	45890	0.2	0.77	10	140	<5	1.48	<1	8	19	120	0.01	2.86	20	0.46	664	654	0.065	0.05	16	850	20	<5	<20	126	0.02	<10	34	<10	18	86
39	45891	0.2	1.00	10	35	<5	1.51	<1	8	39	195	0.02	2.69	<10	0.54	291	119	0.012	0.03	3	540	22	<5	<20	19	0.05	<10	34	<10	7	51
40	45892	0.4	1.52	10	50	<5	2.24	<1	17	49	269	0.03	3.98	<10	0.84	457	263	0.026	0.05	5	690	24	<5	<20	22	0.11	<10	75	<10	3	68
41	45893	0.4	1.69	10	60	<5	3.09	<1	23	36	418	0.04	5.34	<10	0.94	530	117	0.012	0.06	8	790	26	<5	<20	60	0.14	<10	94	<10	2	73
42	45894	0.4	1.37	20	50	<5	2.57	1	23	28	548	0.05	5.86	<10	0.69	417	158	0.016	0.07	7	800	22	<5	<20	57	0.12	<10	78	<10	1	104
43	45895	0.3	1.44	10	75	<5	2.21	2	20	33	292	0.03	4.48	<10	0.98	581	36	0.004	0.06	10	840	22	5	<20	30	0.16	<10	108	<10	4	124
44	45896	1.3	1.64	10	60	<5	1.74	1	37	47	440	0.04	6.68	<10	1.04	703	194	0.019	0.09	8	810	26	<5	<20	34	0.18	<10	134	<10	4	94
45	45897	0.4	1.53	10	65	<5	1.72	<1	24	24	372	0.04	4.93	<10	0.88	529	180	0.018	0.06	6	880	32	<5	<20	52	0.13	<10	87	<10	3	73
46	45898	0.6	1.87	5	65	<5	2.71	<1	27	26	659	0.07	7.61	<10	1.24	599	288	0.029	0.06	8	770	36	<5	<20	87	0.13	<10	129	<10	<1	90
47	45899	0.3	1.38	10	70	<5	1.31	<1	20	41	246	0.02	4.18	<10	0.95	647	176	0.018	0.06	5	820	32	<5	<20	45	0.15	<10	91	<10	5	77
48	45901	0.2	1.01	10	55	<5	0.95	<1	9	40	122	0.01	2.81	<10	0.65	495	191	0.019	0.06	3	550	20	<5	<20	34	0.09	<10	53	<10	5	60

49	45902	0.2	0.84	<5	60	<5	0.82	<1	9	60	181	0.02	2.83	<10	0.54	284	372	0.037	0.06	2	570	18	<5	<20	34	0.06	<10	55	<10	8	41
50	45903	0.2	0.90	<5	40	<5	1.12	<1	9	45	156	0.02	2.76	<10	0.74	328	340	0.034	0.05	3	510	20	<5	<20	13	0.07	<10	52	<10	5	47

CERTIFICATE OF ASSAY AK 2007-0214

TTM Resources 10-Apr-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 50
Sample Type: Core
Project: CHU
Shipment #: 34
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
16	45867	0.066
19	45870	0.064
23	45874	0.050
38	45890	0.064

QC DATA:

Repeat:

16	45867	0.067

Standard:

MP2		0.281

JJ/kk
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W
1	G45759	1.1	1.31	70	55	<5	2.16	2	10	59	263	0.03	2.79	<10	0.87	453	209	0.021	0.02	35	600	98	5	<20	70	<0.01	<10	54	<10
2	G45761	0.2	1.42	45	135	<5	1.73	<1	12	72	84	0.01	2.83	<10	1.01	364	44	0.004	0.02	47	440	24	<5	<20	101	<0.01	<10	64	<10
3	G45762	0.3	1.35	55	75	<5	0.91	<1	14	77	129	0.01	3.20	<10	0.92	249	89	0.009	0.02	54	450	24	<5	<20	37	0.01	<10	68	<10
4	G45763	0.5	1.27	105	75	<5	1.72	<1	15	72	111	0.01	2.80	<10	0.92	364	73	0.007	0.02	39	430	44	<5	<20	88	<0.01	<10	54	<10
5	G45764	1.2	1.30	110	50	<5	2.14	<1	17	70	374	0.04	4.23	<10	0.89	520	171	0.017	0.02	54	620	54	10	<20	59	<0.01	<10	58	<10
6	G45765	<0.2	0.03	5	20	<5	>10	<1	1	6	10	0.00	0.08	<10	>10	68	<1	0.000	<0.01	<1	320	<2	25	<20	107	<0.01	<10	4	<10
7	G45766	0.9	1.25	80	50	<5	2.18	1	15	78	238	0.02	3.64	<10	0.99	451	191	0.019	0.02	59	1430	30	5	<20	56	0.02	<10	67	<10
8	G45767	0.4	1.33	40	80	<5	1.38	1	12	91	182	0.02	3.29	<10	1.05	347	71	0.007	0.03	51	440	24	5	<20	42	0.03	<10	90	<10
9	G45768	0.4	1.23	265	65	<5	1.24	<1	18	113	255	0.03	3.37	<10	0.92	275	129	0.013	0.04	51	400	18	<5	<20	31	0.02	<10	94	<10
10	G45769	0.5	1.10	40	55	<5	1.20	2	17	117	359	0.04	3.96	<10	0.90	276	68	0.007	0.04	43	440	18	10	<20	37	0.02	<10	87	<10
11	G45770	0.2	0.72	<5	130	<5	1.30	<1	7	18	127	0.01	2.48	20	0.49	614	620	0.062	0.04	12	700	16	<5	<20	128	0.02	<10	32	<10
12	G45771	0.7	1.41	35	60	<5	1.02	2	21	120	576	0.06	4.92	<10	1.21	243	128	0.013	0.04	48	470	22	10	<20	41	0.02	<10	97	<10
13	G45772	0.6	1.20	65	50	<5	0.75	1	12	76	374	0.04	3.55	<10	0.96	175	256	0.026	0.03	26	930	18	<5	<20	33	0.02	<10	76	<10
14	G45773	0.4	1.54	70	75	<5	0.89	2	13	111	205	0.02	3.17	<10	1.24	272	82	0.008	0.03	55	480	22	10	<20	32	0.04	<10	142	<10
15	G45774	0.2	1.51	35	100	<5	0.90	2	12	113	145	0.01	3.03	<10	1.17	286	102	0.010	0.03	55	460	24	<5	<20	37	0.05	<10	131	<10
16	G45775	0.3	1.59	30	85	<5	1.58	1	14	110	159	0.02	3.25	<10	1.25	562	64	0.006	0.02	53	470	28	5	<20	54	0.03	<10	112	<10
17	G45776	0.2	1.31	35	85	<5	1.15	<1	13	107	148	0.01	2.96	<10	1.04	316	114	0.011	0.03	53	430	24	<5	<20	34	0.03	<10	120	<10
18	G45777	0.4	1.40	90	45	<5	1.55	<1	12	87	138	0.01	3.19	<10	1.04	324	153	0.015	0.03	48	410	20	5	<20	33	0.01	<10	94	<10
19	G45778	0.8	1.07	145	45	<5	2.30	<1	12	42	128	0.01	3.06	<10	0.63	320	51	0.005	0.03	42	440	20	<5	<20	63	<0.01	<10	38	<10
20	G45779	0.7	1.35	100	70	<5	2.46	<1	14	77	143	0.01	3.42	<10	0.95	375	70	0.007	0.02	50	440	24	<5	<20	95	0.03	<10	63	<10
21	G45781	0.3	1.64	25	155	<5	1.59	<1	15	105	127	0.01	3.43	<10	1.10	355	76	0.008	0.05	54	460	26	<5	<20	97	0.09	<10	118	<10
22	G45782	0.2	1.62	20	95	<5	1.13	2	17	105	159	0.02	3.93	<10	1.23	327	80	0.008	0.06	49	420	26	20	<20	58	0.08	<10	113	<10
23	G45783	0.2	1.57	10	240	<5	0.66	<1	14	122	104	0.01	3.29	<10	1.02	261	39	0.004	0.06	48	480	26	<5	<20	35	0.11	<10	141	<10
24	G45784	0.4	1.49	15	130	<5	1.44	5	16	107	187	0.02	3.70	<10	0.98	378	41	0.004	0.06	54	540	26	10	<20	60	0.04	<10	111	<10
25	G45785	<0.2	0.04	<5	20	<5	>10	<1	<1	4	8	0.00	0.07	<10	>10	69	<1	0.000	<0.01	<1	340	<2	25	<20	113	0.02	<10	4	<10
26	G45786	0.3	1.41	25	145	<5	1.11	2	14	105	108	0.01	3.05	<10	1.04	328	153	0.015	0.04	44	390	24	<5	<20	46	0.04	<10	105	<10
27	G45787	0.6	1.35	25	70	<5	2.17	2	15	110	281	0.03	3.83	<10	1.06	335	101	0.010	0.03	44	530	18	5	<20	66	0.02	<10	90	<10
28	G45788	0.3	1.22	15	80	<5	1.21	2	14	119	188	0.02	3.19	<10	0.99	240	59	0.006	0.04	47	490	20	<5	<20	46	0.03	<10	104	<10
29	G45789	0.6	0.95	15	65	<5	1.39	5	16	116	402	0.04	4.04	<10	0.75	311	99	0.010	0.04	41	360	10	5	<20	64	0.03	<10	82	<10
30	G45790	0.2	0.72	<5	140	<5	1.32	<1	7	19	128	0.01	2.52	20	0.51	626	638	0.064	0.04	13	690	18	<5	<20	130	0.02	<10	32	<10

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007-0200** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Cu%	Fe %	La	Mg %	Mn	Mo	Mo%	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W
31	G45791	0.7	1.02	175	80	<5	2.03	<1	13	69	367	0.04	3.21	<10	0.73	286	118	0.012	0.04	24	890	24	<5	<20	127	<0.01	<10	52	<10
32	G45792	1.0	1.05	20	55	<5	1.84	2	16	76	507	0.05	4.27	<10	0.79	302	125	0.013	0.03	35	740	20	<5	<20	81	<0.01	<10	54	<10
33	G45793	0.7	1.18	40	45	<5	2.38	2	14	87	439	0.04	3.70	<10	0.90	387	111	0.011	0.03	33	680	22	20	<20	101	<0.01	<10	58	<10
34	G45794	<0.2	0.85	15	45	<5	2.94	<1	12	55	54	0.01	2.88	<10	0.73	350	87	0.009	0.03	24	1170	16	<5	<20	123	<0.01	<10	42	<10
35	G45795	0.3	1.28	10	70	<5	1.98	1	11	95	181	0.02	2.86	<10	1.03	244	157	0.016	0.02	47	440	18	5	<20	66	<0.01	<10	80	<10
36	G45796	0.2	1.27	15	45	<5	2.41	1	12	75	118	0.01	3.17	<10	1.00	283	49	0.005	0.03	26	970	16	<5	<20	79	0.01	<10	63	<10
37	G45797	0.3	1.65	35	85	<5	2.04	1	14	128	233	0.02	3.49	<10	1.31	338	160	0.016	0.03	62	610	24	10	<20	62	0.02	<10	117	<10
38	G45798	0.5	1.57	25	55	<5	2.31	1	14	124	340	0.03	3.77	<10	1.32	317	320	0.032	0.03	61	500	24	5	<20	66	0.02	<10	121	<10
39	G45799	0.8	1.46	25	60	<5	2.39	<1	19	111	377	0.04	3.33	<10	1.22	349	223	0.022	0.02	57	460	20	5	<20	62	0.03	<10	124	<10
40	G45801	1.7	1.57	30	80	<5	2.44	2	19	122	588	0.06	3.48	<10	1.23	552	236	0.024	0.03	56	530	30	10	<20	77	0.06	<10	117	<10
41	G45802	0.7	1.27	15	80	<5	0.80	<1	16	125	264	0.03	2.93	<10	1.03	266	190	0.019	0.04	47	500	22	<5	<20	33	0.10	<10	133	<10
42	G45803	0.9	1.41	20	95	<5	1.24	1	15	131	324	0.03	3.08	<10	1.11	334	171	0.017	0.05	52	560	26	10	<20	56	0.09	<10	136	<10
43	G45804	0.8	1.54	10	80	<5	1.49	2	21	132	390	0.04	3.83	<10	1.15	314	220	0.022	0.06	58	580	28	25	<20	58	0.05	<10	140	<10
44	G45805	<0.2	0.03	<5	20	<5	>10	<1	<1	3	10	0.00	0.07	<10	>10	70	<1	0.000	<0.01	<1	350	<2	25	<20	121	<0.01	<10	4	<10
45	G45806	1.1	0.88	10	80	<5	1.74	<1	11	87	337	0.03	2.30	<10	0.72	356	339	0.034	0.04	17	880	18	5	<20	65	0.06	<10	67	<10
46	G45807	0.5	0.66	15	55	<5	1.52	<1	13	65	183	0.02	2.45	10	0.48	270	638	0.064	0.04	7	920	18	<5	<20	86	0.05	<10	36	<10
47	G45808	0.6	0.74	5	75	<5	1.53	<1	9	59	237	0.02	2.13	10	0.55	254	447	0.045	0.04	4	990	12	<5	<20	101	0.07	<10	39	<10
48	G45809	0.6	0.76	10	85	<5	1.17	1	11	105	313	0.03	2.32	10	0.56	245	179	0.018	0.07	6	1080	12	<5	<20	61	0.07	<10	43	<10
49	G45810	0.2	0.71	<5	130	<5	1.34	<1	7	19	130	0.01	2.17	20	0.52	638	607	0.061	0.04	15	710	18	<5	<20	113	0.03	<10	33	<10
50	G45811	0.5	0.62	10	65	<5	1.37	<1	11	84	289	0.03	2.16	<10	0.47	221	331	0.033	0.04	6	980	14	<5	<20	62	0.05	<10	34	<10

51	G45812	0.6	0.67	10	60	<5	1.79	<1	12	116	357	0.04	2.46	10	0.47	286	537	0.054	0.05	5	930	14	<5	<20	86	0.04	<10	28	<10
52	G45813	1.0	0.64	5	70	<5	2.43	<1	11	90	255	0.03	2.29	10	0.51	367	387	0.039	0.04	8	980	14	<5	<20	80	0.06	<10	36	<10
53	G45814	0.5	0.67	<5	70	<5	1.69	<1	8	88	223	0.02	1.81	10	0.55	299	178	0.018	0.05	6	1050	12	<5	<20	53	0.06	<10	38	<10
54	G45815	0.4	0.68	5	70	<5	1.91	1	10	63	183	0.02	2.01	10	0.52	347	135	0.014	0.04	4	1100	14	<5	<20	63	0.07	<10	35	<10
55	G45816	0.2	1.27	<5	90	5	1.92	1	14	125	78	0.01	3.01	<10	1.03	548	213	0.021	0.04	35	620	24	<5	<20	59	0.09	<10	126	<10
56	G45817	0.2	1.18	10	80	<5	1.73	3	16	125	97	0.01	3.28	<10	0.88	506	207	0.021	0.04	34	670	22	<5	<20	52	0.10	<10	104	<10
57	G45818	0.2	1.48	10	110	<5	1.21	<1	17	162	127	0.01	3.41	<10	1.12	365	198	0.020	0.04	52	460	28	<5	<20	36	0.15	<10	138	<10
58	G45819	0.3	1.31	5	80	<5	0.92	1	17	149	256	0.03	3.53	<10	1.14	257	392	0.039	0.05	52	490	18	<5	<20	26	0.16	<10	157	<10
59	G45821	0.4	1.33	15	80	<5	1.15	<1	21	163	267	0.03	3.55	<10	1.16	305	416	0.042	0.06	54	630	18	<5	<20	44	0.17	<10	157	<10
60	G45822	0.3	1.35	5	90	<5	1.33	<1	17	152	229	0.02	3.24	<10	1.17	298	380	0.038	0.04	52	550	20	<5	<20	48	0.13	<10	156	<10
61	G45823	0.3	1.42	10	70	<5	1.37	1	17	162	211	0.02	3.39	<10	1.17	331	421	0.042	0.04	49	490	22	<5	<20	50	0.12	<10	142	<10
62	G45824	0.3	1.37	10	70	<5	1.36	2	15	145	267	0.03	3.21	<10	1.16	327	525	0.053	0.03	48	430	16	15	<20	45	0.10	<10	134	<10
63	G45825	<0.2	0.04	10	15	<5	>10	1	<1	6	4	0.00	0.08	<10	>10	65	<1	0.000	<0.01	<1	360	<2	45	<20	116	0.01	<10	4	<10
64	G45826	0.4	0.82	10	75	<5	1.71	1	11	78	279	0.03	2.32	10	0.65	295	173	0.017	0.03	15	990	20	10	<20	70	0.04	<10	45	<10
65	G45827	0.3	0.88	5	65	<5	1.78	<1	12	96	198	0.02	2.57	<10	0.76	316	379	0.038	0.04	19	910	18	<5	<20	62	0.07	<10	71	<10
66	G45828	0.2	0.82	5	70	<5	1.40	<1	10	103	91	0.01	2.41	<10	0.59	257	184	0.018	0.04	12	930	20	<5	<20	64	0.06	<10	46	<10
67	G45829	<0.2	0.89	<5	65	<5	1.33	<1	8	80	160	0.02	2.36	10	0.60	253	868	0.087	0.04	7	1010	12	<5	<20	56	0.05	<10	42	<10
68	G45830	0.2	0.70	5	125	<5	1.36	1	7	19	125	0.01	2.59	20	0.50	642	642	0.064	0.04	17	760	20	<5	<20	133	0.03	<10	33	<10
69	G45831	0.3	0.69	10	70	<5	1.95	<1	9	79	208	0.02	2.00	<10	0.50	326	101	0.010	0.03	3	1040	12	<5	<20	69	0.07	<10	34	<10
70	G45832	0.2	1.34	5	85	<5	1.38	1	16	149	200	0.02	3.17	<10	1.13	346	359	0.036	0.04	43	620	20	<5	<20	58	0.09	<10	116	<10

Y	Zn
9	211
9	65
6	64
10	66
8	107
3	8
9	81
6	80
6	77
10	69
19	71
10	76
6	64
7	141
10	153
13	87
9	60
6	79
7	61
8	62
9	64
7	66
8	57
9	300
<1	8
6	138
5	67
8	113
6	166
19	71

Y	Zn
12	52
7	68
6	65
7	47
8	51
6	48
15	68
10	72
10	62
14	182
10	63
14	72
13	108
<1	8
10	56
7	51
4	47
8	40
21	71
6	37

7	42
7	47
6	53
6	119
13	122
11	286
16	88
11	55
14	50
17	52
15	52
10	62
2	4
10	80
9	52
9	38
3	38
20	76
7	31
11	76

CERTIFICATE OF ASSAY AK 2007-0200

TTM Resources 29-Mar-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 70
Sample Type: Core
Project: CHU
Shipment #: 31
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
11	G45770	0.064
30	G45790	0.064
46	G45807	0.064
49	G45810	0.064
51	G45812	0.053
62	G45824	0.054
68	G45830	0.061

QC DATA:

Repeat:

11	G45770	0.062

Standard:

MP2	0.280
MP2	0.284

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kk
XLS/07

27-Mar-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-0199

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 17
Sample Type: Core
Project: CHU
Shipment #: 32
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45833	<0.2	1.03	5	110	<5	2.13	<1	8	70	201	2.28	10	0.63	322	77	0.03	8	990	14	<5	<20	102	0.07	<10	41	<10	5	38
2	G45834	0.2	1.22	10	110	<5	1.16	<1	15	127	239	2.86	<10	1.07	289	282	0.04	37	550	18	<5	<20	50	0.09	<10	116	<10	13	51
3	G45835	0.3	1.29	10	100	<5	1.60	<1	18	112	264	3.29	<10	1.07	343	958	0.03	44	450	18	<5	<20	54	0.09	<10	105	<10	12	51
4	G45836	<0.2	1.18	10	115	<5	1.18	<1	15	120	221	2.86	<10	1.00	278	302	0.03	38	590	18	<5	<20	49	0.10	<10	105	<10	13	45
5	G45837	0.2	1.35	10	105	<5	1.15	<1	14	136	311	3.07	<10	1.22	311	309	0.03	49	440	18	10	<20	49	0.08	<10	129	<10	14	52
6	G45838	0.3	0.99	10	105	<5	1.00	<1	15	135	457	3.16	<10	0.87	251	192	0.04	40	540	20	<5	<20	52	0.05	<10	104	<10	14	47
7	G45839	0.3	0.98	10	75	15	1.03	<1	16	111	345	2.97	<10	0.84	221	288	0.03	37	510	16	<5	<20	38	0.03	<10	93	<10	10	45
8	G45841	0.6	0.77	10	60	<5	1.32	<1	13	129	661	3.12	<10	0.65	228	239	0.03	29	430	16	<5	<20	39	0.03	<10	72	<10	8	41
9	G45842	0.7	1.25	20	60	<5	1.69	1	19	115	760	3.70	<10	0.96	285	356	0.02	45	350	20	10	<20	68	0.03	<10	83	<10	8	51
10	G45843	0.4	1.25	10	60	<5	1.86	<1	14	89	166	3.20	20	0.78	281	226	0.02	21	710	24	<5	<20	91	0.03	<10	59	<10	7	40
11	G45844	2.0	1.31	10	80	<5	1.37	<1	14	142	193	3.27	<10	0.89	256	443	0.02	33	440	22	5	<20	78	0.02	<10	94	<10	7	41
12	G45845	<0.2	0.05	<5	15	<5	>10	<1	<1	6	10	0.08	<10	>10	78	<1	<0.01	<1	380	<2	25	<20	117	<0.01	<10	5	<10	<1	8
13	G45846	0.2	1.15	10	50	<5	2.93	<1	11	75	238	2.71	20	0.83	441	252	0.02	20	680	14	<5	<20	95	0.02	<10	53	<10	11	46
14	G45847	0.2	1.57	15	65	<5	2.37	<1	18	125	333	4.07	<10	1.08	391	339	0.02	33	550	20	5	<20	108	0.03	<10	103	<10	9	55
15	G45848	1.0	1.11	5	80	<5	1.63	<1	11	114	242	3.36	<10	0.82	305	274	0.03	21	530	16	<5	<20	68	0.02	<10	66	<10	6	41
16	G45849	0.7	1.23	25	90	<5	2.25	<1	14	70	606	3.48	20	0.66	358	33	0.03	12	850	16	5	<20	102	0.02	<10	35	<10	2	33
17	G45850	<0.2	0.76	<5	130	<5	1.29	<1	7	19	120	2.46	20	0.48	608	640	0.04	14	710	20	<5	<20	126	0.02	<10	31	<10	20	75

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45833	<0.2	1.01	10	115	<5	2.14	<1	9	70	209	2.26	10	0.63	324	78	0.03	8	1030	16	<5	<20	110	0.02	<10	41	<10	6	37

Resplit:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45833	<0.2	0.94	5	115	<5	2.07	1	10	59	205	2.32	10	0.62	316	83	0.03	10	1020	18	5	<20	106	0.01	<10	41	<10	7	37

Standard:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Pb106		>30	0.53	275	105	<5	1.87	33	3	40	6275	1.43	<10	0.22	548	32	0.02	6	270	5320	50	<20	164	<0.01	<10	14	10	<1	8361

JJ/sa
df/199
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0199

TTM Resources

27-Mar-07

520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 17
Sample Type: Core
Project: CHU
Shipment #: 32
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
3	G45835	0.096
17	G45850	0.064

QC DATA:

Repeat:

3	G45835	0.094

Standard:

MP2	0.284
MP2	0.283

JJ/sa
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-0191

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 36
Sample Type: Core
Project: CHU
Shipment #: 30
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45722	<0.2	1.94	5	215	5	0.50	<1	15	133	91	3.27	<10	1.10	252	3	0.11	45	540	36	<5	<20	27	0.18	<10	149	<10	10	64
2	G45723	<0.2	1.82	<5	170	<5	0.53	<1	14	119	73	2.86	<10	1.08	245	49	0.09	45	500	32	<5	<20	33	0.17	<10	160	<10	10	54
3	G45724	<0.2	2.31	<5	190	5	0.74	<1	17	134	93	3.29	<10	1.11	297	24	0.18	44	530	46	<5	<20	55	0.18	<10	158	<10	17	72
4	G45725	<0.2	0.04	<5	20	<5	>10	<1	<1	4	2	0.08	<10	>10	63	<1	<0.01	<1	340	<2	25	<20	106	<0.01	<10	3	<10	1	5
5	G45726	<0.2	1.98	5	135	<5	0.96	<1	16	128	113	3.22	<10	0.98	252	95	0.18	43	460	40	<5	<20	51	0.18	<10	158	<10	14	106
6	G45727	<0.2	2.07	<5	135	5	1.14	<1	15	136	81	3.22	<10	1.16	310	8	0.10	44	470	36	<5	<20	77	0.19	<10	159	<10	14	65
7	G45728	<0.2	2.10	<5	155	5	1.28	<1	18	165	80	3.24	<10	1.21	363	17	0.11	45	510	34	<5	<20	49	0.20	<10	160	<10	17	62
8	G45729	<0.2	1.71	<5	95	<5	1.20	<1	14	211	144	2.70	<10	0.90	232	56	0.06	42	560	30	<5	<20	38	0.12	<10	124	<10	16	48
9	G45730	<0.2	0.74	<5	130	<5	1.25	<1	7	18	114	2.39	20	0.46	584	636	0.04	14	790	14	<5	<20	121	0.02	<10	31	<10	19	76
10	G45731	<0.2	2.40	20	665	<5	0.56	<1	12	138	128	3.28	<10	1.17	542	<1	0.08	47	560	42	<5	<20	57	0.14	<10	157	<10	19	85
11	G45732	0.2	2.21	10	120	<5	0.47	1	17	105	215	3.46	<10	1.20	387	113	0.07	57	600	36	10	<20	37	0.13	<10	160	<10	14	59
12	G45733	0.3	2.25	10	135	<5	0.87	<1	19	93	150	3.58	<10	1.28	410	72	0.06	45	580	42	<5	<20	38	0.16	<10	136	<10	15	92
13	G45734	0.2	2.01	20	120	<5	1.23	<1	16	88	169	3.56	<10	1.05	414	31	0.08	46	560	32	5	<20	31	0.11	<10	112	<10	11	67
14	G45735	<0.2	0.55	<5	85	<5	0.97	<1	3	35	6	1.06	20	0.13	234	<1	0.03	2	260	16	<5	<20	26	<0.01	<10	10	<10	9	19
15	G45736	<0.2	0.53	<5	95	<5	0.53	<1	3	45	6	0.90	10	0.16	230	<1	0.02	1	260	22	<5	<20	26	<0.01	<10	8	<10	12	19
16	G45737	<0.2	0.55	<5	155	<5	0.91	<1	2	42	5	0.89	10	0.13	266	<1	0.02	2	250	20	<5	<20	27	<0.01	<10	11	<10	12	20
17	G45738	<0.2	0.40	<5	70	<5	1.42	<1	3	36	6	0.80	20	0.07	175	<1	0.03	1	250	16	<5	<20	40	<0.01	<10	12	<10	11	20
18	G45739	<0.2	0.52	<5	50	<5	1.34	<1	3	45	8	0.83	20	0.15	214	<1	0.03	<1	260	20	<5	<20	27	<0.01	<10	10	<10	11	26
19	G45741	<0.2	0.53	<5	145	<5	1.06	<1	2	38	7	0.79	20	0.16	164	1	0.02	1	280	20	<5	<20	35	<0.01	<10	9	<10	10	24
20	G45742	<0.2	0.46	<5	60	<5	1.06	<1	3	37	7	0.84	20	0.13	176	<1	0.02	3	260	18	<5	<20	46	<0.01	<10	11	<10	10	23
21	G45743	<0.2	0.50	<5	95	<5	0.66	<1	3	39	7	0.86	20	0.15	349	1	0.02	1	270	20	<5	<20	32	<0.01	<10	10	<10	11	26
22	G45744	<0.2	0.66	10	75	<5	0.31	<1	4	69	6	0.97	20	0.13	200	2	0.03	2	270	26	<5	<20	19	<0.01	<10	12	<10	10	30
23	G45745	<0.2	0.04	<5	20	<5	>10	<1	<1	4	3	0.07	<10	>10	70	<1	<0.01	<1	420	<2	30	<20	111	<0.01	<10	2	<10	2	4
24	G45746	<0.2	0.71	<5	65	<5	0.29	<1	3	78	7	0.94	20	0.17	268	<1	0.03	4	260	26	<5	<20	18	<0.01	<10	9	<10	11	29
25	G45747	<0.2	0.78	<5	75	<5	0.31	<1	3	82	5	1.05	10	0.22	238	3	0.02	3	260	26	<5	<20	25	<0.01	<10	9	<10	9	25
26	G45748	<0.2	0.59	<5	60	<5	1.35	<1	3	30	5	0.93	20	0.19	238	4	0.03	2	280	20	<5	<20	52	<0.01	<10	10	<10	10	15
27	G45749	0.2	1.69	25	520	<5	0.54	<1	10	97	111	2.71	<10	0.98	627	12	0.05	33	400	32	<5	<20	48	0.05	<10	84	<10	11	51
28	G45750	<0.2	0.72	<5	135	<5	1.26	<1	7	18	111	2.40	20	0.45	584	635	0.04	13	760	12	<5	<20	116	0.02	<10	30	<10	18	77
29	G45751	<0.2	1.79	15	90	<5	1.03	<1	16	114	126	3.35	<10	1.19	385	89	0.05	46	480	30	<5	<20	32	0.12	<10	121	<10	10	68
30	G45752	0.2	1.98	135	85	<5	1.01	<1	24	105	167	3.50	<10	1.18	399	68	0.08	45	450	36	<5	<20	38	0.14	<10	141	<10	12	109

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G45753	<0.2	1.80	10	115	<5	0.71	<1	16	114	108	3.38	<10	1.14	338	138	0.06	53	550	30	<5	<20	36	0.15	<10	145	<10	10	82
32	G45754	0.2	1.75	20	85	<5	1.31	<1	18	122	145	3.75	<10	1.28	383	109	0.06	60	1240	32	<5	<20	37	0.12	<10	134	<10	14	74
33	G45755	<0.2	1.51	15	175	<5	1.29	<1	12	94	73	2.82	<10	1.09	394	135	0.04	39	440	26	<5	<20	39	0.04	<10	99	<10	10	63
34	G45756	0.2	1.48	15	140	<5	1.10	2	13	98	117	2.97	<10	1.11	406	132	0.04	40	410	30	5	<20	38	0.05	<10	93	<10	12	201
35	G45757	0.5	1.47	20	70	<5	1.47	<1	13	98	179	3.54	<10	1.06	430	202	0.03	41	540	34	<5	<20	42	<0.01	<10	76	<10	7	64
36	G45758	0.7	1.60	50	55	<5	2.20	<1	11	86	137	3.27	<10	1.11	575	172	0.02	50	510	40	<5	<20	72	0.01	<10	74	<10	9	92

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45722	<0.2	2.07	5	225	10	0.52	<1	15	138	94	3.36	<10	1.16	261	5	0.12	48	570	26	<5	<20	30	0.18	<10	155	<10	12	52
10	G45731	<0.2	2.33	20	700	<5	0.56	<1	11	150	123	3.24	<10	1.13	534	<1	0.08	49	570	34	<5	<20	53	0.14	<10	153	<10	18	74

Resplit:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45722	<0.2	2.04	10	210	10	0.54	<1	15	139	90	3.32	<10	1.13	266	4	0.12	46	590	36	5	<20	29	0.17	<10	155	<10	11	61

Standard:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
PB106		>30	0.51	270	75	<5	1.73	44	4	41	6390	1.39	<10	0.25	553	32	0.02	7	280	5270	60	<20	137	<0.01	<10	14	<10	<1	8326

JJ/sa
df/191
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
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V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 2007- 0174

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 59
Sample Type: Core
Project: CHU
Shipment #: 24
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45659	0.4	1.19	<5	115	<5	0.51	<1	14	143	404	3.18	<10	0.93	162	356	0.07	57	430	18	<5	<20	66	0.12	<10	130	<10	10	32
2	G45661	<0.2	2.44	5	95	<5	1.34	<1	15	168	226	3.44	<10	1.34	245	139	0.24	75	590	26	<5	<20	119	0.14	<10	183	<10	9	44
3	G45662	0.4	2.04	100	145	<5	4.69	<1	14	103	383	3.53	<10	1.00	349	232	0.18	52	460	22	<5	<20	113	0.05	<10	96	<10	12	42
4	G45663	0.4	1.84	40	165	<5	1.38	<1	15	158	293	3.51	<10	1.17	240	311	0.03	54	400	20	<5	<20	27	0.07	<10	115	<10	6	36
5	G45664	0.4	1.46	15	120	<5	1.08	<1	17	165	516	3.93	<10	1.04	201	84	0.11	56	380	14	<5	<20	47	0.07	<10	104	<10	6	33
6	G45665	<0.2	0.05	5	20	<5	>10	<1	<1	4	4	0.08	<10	>10	69	<1	<0.01	<1	360	<2	35	<20	120	<0.01	<10	2	<10	<1	6
7	G45666	0.2	1.46	<5	130	<5	0.98	<1	14	175	268	2.78	<10	1.17	189	118	0.08	43	420	14	<5	<20	29	0.10	<10	132	<10	10	35
8	G45667	<0.2	1.20	<5	145	<5	0.29	<1	14	154	197	2.64	<10	0.95	167	191	0.06	52	320	20	<5	<20	25	0.10	<10	110	<10	10	38
9	G45668	<0.2	1.47	<5	145	<5	0.42	<1	14	167	199	2.71	<10	1.02	167	179	0.10	59	390	20	<5	<20	34	0.13	<10	121	<10	9	37
10	G45669	0.3	1.18	<5	105	<5	0.89	<1	16	254	403	3.48	<10	0.68	182	97	0.16	59	570	14	<5	<20	40	0.10	<10	91	<10	9	33
11	G45670	<0.2	0.70	<5	125	<5	1.25	<1	6	18	113	2.28	20	0.49	599	628	0.04	14	720	12	<5	<20	113	0.02	<10	31	<10	16	75
12	G45671	<0.2	0.99	<5	130	<5	0.30	<1	11	164	202	2.26	<10	0.85	144	181	0.06	36	240	10	<5	<20	14	0.10	<10	91	<10	6	34
13	G45672	0.3	1.06	10	145	<5	0.85	<1	20	250	428	3.62	<10	0.91	246	519	0.08	62	530	14	<5	<20	47	0.11	<10	110	<10	14	47
14	G45673	0.3	1.17	20	140	<5	1.26	1	12	197	319	2.56	<10	0.95	221	507	0.07	46	380	18	<5	<20	55	0.08	<10	88	<10	11	105
15	G45674	0.4	1.61	<5	150	<5	0.70	<1	24	125	719	4.86	<10	1.50	283	180	0.13	39	700	16	<5	<20	27	0.22	<10	190	<10	14	68
16	G45675	<0.2	2.93	<5	130	<5	1.20	<1	21	136	315	4.05	<10	1.44	263	58	0.34	72	570	26	<5	<20	68	0.20	<10	171	<10	16	61
17	G45676	<0.2	2.15	5	280	<5	0.59	<1	17	199	161	3.18	<10	1.40	260	435	0.18	65	500	24	<5	<20	31	0.21	<10	178	<10	18	57
18	G45677	<0.2	1.53	<5	200	<5	0.56	<1	15	176	210	2.77	<10	1.04	205	101	0.15	60	500	22	<5	<20	30	0.16	<10	127	<10	17	37
19	G45678	<0.2	1.79	<5	195	<5	0.61	<1	14	180	214	2.90	<10	1.03	210	254	0.18	50	570	16	<5	<20	31	0.18	<10	138	<10	12	40
20	G45679	<0.2	2.23	10	325	<5	0.64	<1	14	146	97	2.97	<10	1.30	220	65	0.14	50	520	24	<5	<20	35	0.19	<10	165	<10	12	42
21	G45681	0.2	1.07	35	100	<5	0.72	<1	11	149	271	2.64	<10	0.84	187	92	0.07	33	300	10	<5	<20	30	0.07	<10	89	<10	8	41
22	G45682	0.2	1.03	10	130	<5	0.51	<1	11	146	190	2.29	<10	0.79	180	222	0.07	37	310	12	<5	<20	20	0.11	<10	105	<10	11	32
23	G45683	0.2	1.06	10	130	<5	0.92	<1	9	200	231	2.35	<10	0.79	183	137	0.06	34	270	8	<5	<20	47	0.03	<10	80	<10	8	38
24	G45684	0.5	0.87	<5	200	<5	1.14	<1	8	170	256	2.06	<10	0.64	157	633	0.06	29	280	10	<5	<20	62	0.05	<10	76	<10	9	33
25	G45685	<0.2	0.04	5	20	<5	>10	<1	<1	4	3	0.07	<10	>10	66	1	<0.01	<1	310	<2	40	<20	120	<0.01	<10	2	<10	<1	4

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 0174** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G45686	0.2	1.29	15	170	<5	0.68	<1	14	139	210	2.84	<10	0.93	204	202	0.10	43	380	14	<5	<20	33	0.11	<10	118	<10	12	44
27	G45687	<0.2	0.97	<5	245	<5	0.73	<1	5	104	4	1.72	<10	0.72	507	<1	0.08	5	700	14	<5	<20	52	0.11	<10	39	<10	12	40
28	G45688	<0.2	1.38	<5	175	<5	0.43	<1	14	175	162	2.78	<10	1.04	212	156	0.09	48	420	16	<5	<20	36	0.15	<10	129	<10	13	37
29	G45689	0.5	1.22	<5	85	<5	0.76	<1	16	100	586	4.11	<10	1.13	201	56	0.05	21	1160	12	<5	<20	36	0.10	<10	105	<10	6	45
30	G45690	<0.2	0.72	<5	125	<5	1.28	<1	6	18	120	2.34	20	0.50	618	637	0.04	15	730	14	<5	<20	127	0.02	<10	32	<10	17	75
31	G45691	0.2	2.12	<5	225	<5	0.80	<1	15	219	203	3.11	<10	1.27	243	156	0.19	63	510	14	<5	<20	96	0.17	<10	157	<10	14	43
32	G45692	<0.2	1.54	55	170	<5	2.02	<1	14	110	194	3.04	<10	1.02	241	122	0.02	54	470	10	<5	<20	42	<0.01	<10	83	<10	8	40
33	G45693	<0.2	2.28	<5	350	<5	1.00	<1	15	212	141	3.17	<10	1.45	252	70	0.16	73	580	16	<5	<20	98	0.15	<10	156	<10	15	45
34	G45694	0.2	1.57	5	125	<5	1.13	<1	18	179	537	3.86	<10	1.17	258	457	0.10	67	560	10	<5	<20	59	0.11	<10	136	<10	12	49
35	G45695	<0.2	2.60	<5	230	<5	0.97	<1	16	196	192	3.00	<10	1.41	250	41	0.29	77	630	18	<5	<20	84	0.18	<10	171	<10	18	43
36	G45696	<0.2	2.23	5	185	<5	0.83	<1	18	134	154	2.97	<10	1.17	213	111	0.18	83	600	26	<5	<20	58	0.17	<10	152	<10	12	43
37	G45697	<0.2	2.83	5	445	<5	0.94	<1	16	124	84	3.18	<10	1.57	256	54	0.17	75	560	32	<5	<20	124	0.19	<10	172	<10	13	61
38	G45698	<0.2	1.43	10	135	<5	0.55	<1	15	212	194	2.75	<10	1.02	210	292	0.10	50	440	14	<5	<20	60	0.14	<10	118	<10	11	43
39	G45699	<0.2	2.88	<5	155	<5	1.10	<1	20	203	288	3.73	<10	1.54	272	42	0.33	84	580	20	<5	<20	148	0.18	<10	169	<10	13	52
40	G45701	<0.2	3.87	5	90	<5	1.74	<1	24	210	272	4.13	<10	1.86	318	81	0.43	102	660	28	<5	<20	231	0.18	<10	171	<10	18	56
41	G45702	0.2	2.70	15	110	<5	1.26	<1	20	172	330	3.56	<10	1.81	294	855	0.24	96	600	16	<5	<20	136	0.15	<10	153	<10	13	51
42	G45703	<0.2	3.13	10	140	<5	1.24	<1	21	194	220	4.05	<10	2.43	376	956	0.27	93	580	24	<5	<20	103	0.17	<10	173	<10	19	78
43	G45704	0.2	2.19	25	320	<5	2.46	<1	18	143	278	3.91	20	0.82	175	182	0.05	97	740	20	<5	<20	294	<0.01	<10	108	<10	14	66
44	G45705	<0.2	0.05	5	20	5	>10	<1	<1	4	4	0.08	<10	>10	66	1	<0.01	<1	320	<2	35	<20	121	<0.01	<10	2	<10	1	5
45	G45706	<0.2	1.88	105	325	<5	6.84	<1	24	102	499	5.45	20	2.93	421	1212	0.05	109	840	18	10	<20	909	<0.01	<10	129	<10	21	78
46	G45707	<0.2	1.53	40	360	<5	6.79	<1	25	77	634	6.23	20	3.00	477	1469	0.05	91	650	12	<5	<20	873	<0.01	<10	152	<10	13	68
47	G45708	<0.2	0.71	30	230	<5	5.20	<1	16	86	257	4.02	10	2.05	284	498	0.05	85	620	8	<5	<20	683	<0.01	<10	97	<10	14	39
48	G45709	<0.2	1.40	80	155	<5	9.33	<1	20	74	574	3.87	10	2.52	404	238	0.03	77	680	14	10	<20	915	<0.01	<10	76	<10	26	48
49	G45710	<0.2	0.70	<5	125	<5	1.28	<1	6	18	115	2.30	20	0.49	607	632	0.04	15	730	16	<5	<20	124	0.02	<10	31	<10	17	77
50	G45711	<0.2	1.68	40	135	<5	9.58	<1	15	93	174	3.81	<10	3.02	387	337	0.04	75	700	16	10	<20	1267	<0.01	<10	102	<10	28	45
51	G45712	<0.2	1.47	<5	155	<5	0.99	<1	16	208	215	3.16	<10	1.29	201	92	0.05	63	380	18	<5	<20	82	0.13	<10	148	<10	8	43
52	G45713	<0.2	1.82	<5	240	<5	0.65	<1	15	125	89	2.88	<10	1.28	175	105	0.05	58	440	26	<5	<20	28	0.17	<10	161	<10	7	45
53	G45714	<0.2	1.76	<5	325	<5	0.79	<1	11	101	73	2.56	<10	1.26	181	41	0.03	48	300	20	5	<20	24	0.14	<10	110	<10	5	38
54	G45715	<0.2	2.40	10	105	<5	1.30	<1	21	150	214	3.88	<10	1.42	274	179	0.15	95	680	30	<5	<20	70	0.15	<10	172	<10	12	46
55	G45716	<0.2	2.03	15	245	<5	0.83	<1	16	142	122	2.95	<10	1.45	239	45	0.08	70	570	26	<5	<20	35	0.17	<10	181	<10	13	44
56	G45717	0.3	1.73	120	110	<5	1.82	<1	16	116	320	3.90	<10	1.38	285	564	0.04	66	460	20	<5	<20	86	0.07	<10	129	<10	7	65
57	G45718	0.4	1.01	20	105	<5	0.91	<1	12	147	271	2.72	<10	0.72	188	123	0.05	53	380	16	<5	<20	64	0.05	<10	88	<10	6	45
58	G45719	0.5	1.62	30	125	<5	0.88	<1	15	198	313	3.29	<10	1.21	281	463	0.08	64	470	20	<5	<20	73	0.11	<10	136	<10	9	56
59	G45721	0.3	2.34	15	170	<5	0.83	<1	19	178	320	3.73	<10	1.58	310	28	0.19	88	600	30	<5	<20	54	0.18	<10	174	<10	13	67

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45659	0.4	1.23	<5	120	<5	0.53	<1	14	146	407	3.19	<10	0.95	164	351	0.08	56	430	18	<5	<20	70	0.12	<10	133	<10	12	31
10	G45669	0.3	1.25	<5	110	<5	0.92	<1	16	265	415	3.51	<10	0.71	188	96	0.17	59	580	14	<5	<20	44	0.11	<10	93	<10	10	33
19	G45678	<0.2	1.82	<5	205	<5	0.65	<1	14	184	216	2.91	<10	1.04	213	255	0.20	51	570	18	<5	<20	40	0.18	<10	139	<10	14	40
36	G45696	<0.2	2.24	5	175	<5	0.86	<1	17	135	158	3.01	<10	1.22	216	113	0.20	83	610	24	<5	<20	59	0.17	<10	155	<10	11	42
45	G45706	<0.2	1.85	115	325	<5	6.75	<1	24	103	482	5.38	20	2.80	414	1184	0.05	107	850	20	15	<20	855	<0.01	<10	126	<10	20	80

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Resplit:																													
1	G45659	0.3	1.46	<5	130	<5	0.54	<1	15	143	416	3.23	<10	1.04	174	364	0.09	56	420	14	<5	<20	80	0.13	<10	143	<10	12	30
36	G45696	<0.2	2.36	10	195	<5	0.92	<1	18	148	159	3.09	<10	1.18	221	119	0.24	87	610	28	<5	<20	65	0.18	<10	156	<10	14	44
Standard:																													
Pb106		>30	0.55	270	75	<5	1.69	36	4	43	6245	1.65	<10	0.25	558	31	0.02	7	280	5252	55	<20	135	<0.01	<10	14	10	<1	8357
Pb106		>30	0.56	270	85	<5	1.63	38	3	43	6389	1.60	<10	0.19	547	33	0.02	7	280	5282	60	<20	141	<0.01	<10	15	10	<1	8391

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sa
df/161b
XLS/06

CERTIFICATE OF ASSAY AK 2007-0174

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

16-Mar-07

Attention: Ken MacDonald

No. of samples received: 59
Sample Type: Core
Project: CHU
Shipment #: 24
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
11	G45670	0.063
13	G45672	0.053
14	G45673	0.051
24	G45684	0.060
30	G45690	0.064
41	G45702	0.081
42	G45703	0.092
45	G45706	0.117
46	G45707	0.134
49	G45710	0.065
56	G45717	0.057

QC DATA:

Repeat:

13	G45672	0.054
41	G45702	0.081

Standard:

MP2		0.282
MP2		0.282
MP2		0.278
MP2		0.285

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kk
XLS/07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007-167

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 56
Sample Type: Core
Project: CHU
Shipment #: 23
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45601	<0.2	2.41	<5	290	5	0.20	<1	16	125	61	3.48	<10	1.29	260	<1	0.06	56	490	24	<5	<20	24	0.24	<10	153	<10	11	93
2	G45602	<0.2	2.03	5	195	<5	0.37	<1	16	119	80	3.52	<10	1.23	252	<1	0.07	51	510	24	<5	<20	24	0.21	<10	145	<10	7	73
3	G45603	<0.2	2.08	<5	420	5	0.28	<1	16	133	60	3.28	<10	1.25	288	<1	0.07	51	510	26	<5	<20	18	0.24	<10	155	<10	12	72
4	G45604	<0.2	2.02	5	240	<5	0.41	<1	15	127	105	3.33	<10	1.22	262	<1	0.09	51	510	28	<5	<20	35	0.20	<10	148	<10	11	59
5	G45605	<0.2	0.04	<5	40	<5	>10	<1	<1	4	3	0.08	<10	>10	66	<1	<0.01	<1	380	<2	35	<20	111	<0.01	<10	2	<10	2	4
6	G45606	<0.2	2.11	5	175	<5	0.77	<1	15	133	99	3.16	<10	1.13	236	2	0.14	47	490	32	<5	<20	41	0.16	<10	138	<10	9	45
7	G45607	0.2	1.61	75	60	<5	0.60	<1	17	122	207	3.76	<10	1.01	255	567	0.06	42	500	14	<5	<20	14	0.14	<10	88	<10	<1	48
8	G45608	0.2	1.78	<5	80	<5	0.30	<1	20	152	274	4.39	<10	1.14	240	129	0.08	44	410	16	<5	<20	18	0.17	<10	108	<10	3	48
9	G45609	0.2	1.69	285	140	<5	1.42	<1	19	118	173	3.30	<10	1.03	373	12	0.08	34	360	16	<5	<20	51	0.09	<10	76	<10	6	48
10	G45610	<0.2	0.76	<5	135	<5	1.29	<1	6	19	118	2.36	20	0.51	622	645	0.04	14	740	16	<5	<20	129	0.02	<10	32	<10	18	78
11	G45611	<0.2	1.57	10	115	<5	0.60	<1	14	152	207	3.81	<10	1.11	234	23	0.07	36	410	16	<5	<20	20	0.12	<10	96	<10	2	44
12	G45612	<0.2	1.42	20	185	<5	0.45	<1	14	131	150	3.11	<10	1.00	196	13	0.05	38	460	18	<5	<20	23	0.12	<10	78	<10	7	37
13	G45613	<0.2	2.02	10	245	<5	0.46	<1	15	164	91	3.16	<10	1.30	255	57	0.09	56	490	26	<5	<20	24	0.20	<10	179	<10	10	45
14	G45614	<0.2	2.17	60	145	<5	1.26	<1	16	127	164	3.90	<10	1.35	267	106	0.10	63	580	22	<5	<20	30	0.18	<10	163	<10	6	44
15	G45615	<0.2	3.10	<5	195	<5	0.93	<1	17	155	154	3.90	<10	1.55	272	14	0.30	63	660	22	<5	<20	60	0.21	<10	196	<10	8	51
16	G45616	<0.2	2.09	65	155	<5	0.81	3	14	133	265	3.45	<10	1.34	254	34	0.13	46	520	18	<5	<20	44	0.16	<10	160	<10	10	233
17	G45617	<0.2	2.59	<5	250	<5	0.56	<1	16	154	126	3.53	<10	1.52	240	8	0.19	61	590	22	<5	<20	40	0.23	<10	213	<10	13	48
18	G45618	0.2	1.87	40	100	<5	1.10	<1	16	122	963	4.91	<10	1.00	198	10	0.27	47	490	14	<5	<20	69	0.11	<10	128	<10	5	39
19	G45619	<0.2	2.00	290	265	<5	0.80	<1	14	163	111	3.10	<10	1.40	219	6	0.10	55	560	16	<5	<20	41	0.19	<10	174	<10	11	39
20	G45621	<0.2	2.21	<5	200	<5	0.54	<1	17	156	268	3.76	<10	1.52	247	8	0.18	62	560	24	<5	<20	48	0.21	<10	206	<10	17	48
21	G45622	<0.2	2.12	<5	155	<5	0.51	<1	17	184	237	3.63	<10	1.44	277	109	0.19	64	580	22	<5	<20	35	0.21	<10	200	<10	16	53
22	G45623	0.2	1.66	10	85	<5	0.78	<1	21	156	327	4.16	<10	1.19	219	263	0.11	64	530	18	<5	<20	31	0.16	<10	172	<10	10	96
23	G45624	<0.2	1.58	5	150	<5	0.63	<1	14	151	280	3.16	<10	1.12	172	391	0.07	54	460	16	<5	<20	34	0.14	<10	163	<10	7	43
24	G45625	<0.2	0.05	<5	30	<5	>10	<1	<1	5	3	0.08	<10	>10	77	1	<0.01	<1	350	<2	40	<20	128	<0.01	<10	3	<10	<1	4
25	G45626	<0.2	2.26	10	330	<5	0.59	<1	15	153	143	3.23	<10	1.42	212	78	0.13	51	440	22	<5	<20	41	0.21	<10	194	<10	10	59

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G45627	<0.2	2.06	5	170	<5	0.38	<1	17	150	204	3.65	<10	1.38	194	197	0.09	48	440	22	<5	<20	22	0.20	<10	162	<10	8	43
27	G45628	<0.2	1.76	15	255	<5	0.84	<1	15	133	114	2.97	<10	1.20	216	39	0.07	48	380	16	<5	<20	37	0.14	<10	132	<10	8	36
28	G45629	<0.2	1.92	5	210	<5	0.55	<1	16	157	209	3.50	<10	1.22	219	95	0.12	46	550	24	<5	<20	33	0.16	<10	156	<10	11	38
29	G45630	<0.2	0.76	<5	135	<5	1.31	<1	6	19	119	2.41	20	0.50	638	640	0.04	15	760	18	<5	<20	130	0.02	<10	32	<10	18	79
30	G45631	<0.2	1.38	<5	155	<5	0.89	<1	15	145	369	3.69	<10	0.94	196	45	0.09	45	530	16	<5	<20	26	0.11	<10	115	<10	6	35
31	G45632	<0.2	1.68	70	190	<5	0.45	<1	15	151	253	3.36	<10	1.09	182	54	0.08	47	630	20	<5	<20	17	0.16	<10	131	<10	5	32
32	G45633	<0.2	1.98	<5	400	<5	0.53	<1	13	120	121	3.08	<10	1.22	339	22	0.07	45	410	20	<5	<20	24	0.19	<10	140	<10	8	42
33	G45634	<0.2	2.33	5	285	<5	0.47	<1	16	124	157	3.67	<10	1.47	261	18	0.10	47	670	18	<5	<20	21	0.21	<10	160	<10	6	43
34	G45635	<0.2	2.48	<5	340	<5	0.50	<1	15	118	139	3.51	<10	1.42	261	36	0.14	45	510	18	<5	<20	35	0.22	<10	177	<10	6	47
35	G45636	<0.2	2.47	10	320	<5	0.47	<1	16	144	165	3.58	<10	1.42	334	156	0.16	52	450	20	<5	<20	34	0.23	<10	171	<10	9	48
36	G45637	<0.2	2.76	5	200	<5	0.72	<1	17	156	230	3.56	<10	1.57	355	118	0.27	79	540	24	<5	<20	62	0.22	<10	196	<10	12	54
37	G45638	<0.2	2.77	<5	205	<5	0.71	<1	17	138	200	3.78	<10	1.50	311	69	0.20	63	610	22	<5	<20	64	0.22	<10	170	<10	8	41
38	G45639	<0.2	2.95	<5	145	<5	0.94	<1	20	153	202	4.21	<10	1.65	300	55	0.24	56	640	28	<5	<20	69	0.20	<10	159	<10	8	39
39	G45641	<0.2	1.71	60	155	<5	0.41	<1	15	124	226	3.70	<10	1.27	173	21	0.06	51	460	16	<5	<20	30	0.13	<10	128	<10	4	27
40	G45642	0.2	2.29	10	130	<5	0.67	<1	17	172	301	3.97	<10	1.33	199	234	0.20	51	490	20	<5	<20	65	0.16	<10	164	<10	5	34
41	G45643	<0.2	1.76	130	110	<5	0.98	<1	16	159	328	4.09	<10	1.23	240	86	0.13	57	570	12	<5	<20	41	0.11	<10	137	<10	5	47
42	G45644	<0.2	2.98	<5	125	<5	1.81	<1	18	188	296	3.43	<10	1.08	235	88	0.44	58	670	24	<5	<20	157	0.15	<10	128	<10	14	40
43	G45645	<0.2	0.05	<5	30	<5	>10	<1	<1	5	4	0.08	<10	>10	68	<1	<0.01	<1	450	<2	40	<20	116	<0.01	<10	3	<10	1	4
44	G45646	0.2	2.27	10	120	<5	1.48	<1	16	202	351	3.52	<10	1.35	441	461	0.23	63	640	18	<5	<20	115	0.11	<10	131	<10	11	47
45	G45647	<0.2	2.33	5	145	<5	1.89	<1	16	181	232	3.19	<10	1.21	241	146	0.26	60	730	22	<5	<20	106	0.12	<10	123	<10	10	45
46	G45648	<0.2	2.42	<5	150	<5	0.91	<1	17	171	182	3.56	<10	1.41	235	115	0.23	64	590	22	<5	<20	87	0.18	<10	182	<10	10	47
47	G45649	<0.2	2.31	<5	130	<5	0.80	<1	29	157	417	4.54	<10	1.45	209	152	0.18	62	590	24	<5	<20	49	0.17	<10	173	<10	9	39
48	G45650	<0.2	0.72	5	145	<5	1.32	<1	6	19	128	2.44	20	0.54	642	644	0.05	15	810	16	<5	<20	135	0.02	<10	34	<10	18	78
49	G45651	<0.2	2.47	10	180	<5	0.97	<1	18	181	281	3.64	<10	1.71	272	94	0.22	60	640	22	<5	<20	103	0.17	<10	188	<10	14	55
50	G45652	<0.2	2.81	<5	155	<5	1.29	<1	17	183	254	3.66	<10	1.35	296	56	0.32	57	840	30	<5	<20	139	0.17	<10	172	<10	15	60
51	G45653	<0.2	2.56	10	170	<5	1.24	<1	15	158	299	3.35	<10	1.37	217	153	0.27	56	620	26	<5	<20	110	0.15	<10	164	<10	11	45
52	G45654	<0.2	2.25	10	205	<5	1.74	<1	16	162	137	3.32	<10	1.37	211	535	0.10	51	510	22	<5	<20	50	0.18	<10	167	<10	6	33
53	G45655	0.2	2.67	5	90	<5	1.24	<1	22	168	502	4.60	<10	1.64	225	47	0.27	61	530	22	<5	<20	189	0.13	<10	169	<10	10	43
54	G45656	<0.2	2.13	<5	120	<5	0.82	<1	21	204	449	4.23	<10	1.38	259	202	0.22	63	580	18	<5	<20	133	0.16	<10	161	<10	9	61
55	G45657	<0.2	2.47	5	180	<5	1.73	<1	16	151	271	3.47	<10	1.25	280	85	0.26	52	590	24	<5	<20	125	0.14	<10	136	<10	11	47
56	G45658	<0.2	1.27	<5	125	<5	0.45	<1	17	138	341	3.94	<10	0.85	220	230	0.07	37	490	20	<5	<20	26	0.12	<10	92	<10	8	56

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45601	<0.2	2.30	<5	305	<5	0.21	<1	16	129	64	3.56	<10	1.40	267	<1	0.07	56	490	24	<5	<20	22	0.25	<10	161	<10	10	90
19	G45619	<0.2	2.04	290	285	<5	0.80	<1	14	165	113	3.12	<10	1.41	219	4	0.11	56	560	16	<5	<20	40	0.19	<10	176	<10	11	40
36	G45637	<0.2	2.94	10	180	<5	0.79	<1	19	162	234	3.61	<10	1.61	362	102	0.31	79	580	28	<5	<20	68	0.23	<10	199	<10	17	54
45	G45647	<0.2	2.46	10	150	<5	1.94	<1	16	186	239	3.22	<10	1.25	246	148	0.28	60	750	22	<5	<20	113	0.13	<10	126	<10	12	45

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Resplit:																													
1	G45601	<0.2	2.58	<5	320	<5	0.23	<1	16	129	70	3.78	<10	1.56	281	<1	0.08	58	530	22	<5	<20	20	0.26	<10	178	<10	10	90
36	G45637	<0.2	2.74	10	160	<5	0.80	<1	20	164	242	3.80	<10	1.44	352	123	0.29	82	590	28	<5	<20	65	0.22	<10	183	<10	15	59
Standard:																													
PB106		>30	0.52	270	80	<5	1.60	33	4	40	6221	1.65	<10	0.20	565	31	0.02	7	280	5248	60	<20	137	<0.01	<10	13	10	<1	8387
PB106		>30	0.54	270	75	<5	1.61	36	3	43	6297	1.64	<10	0.22	561	31	0.02	7	280	5222	55	<20	143	<0.01	<10	14	10	<1	8371

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sa
df/161b
XLS/06

CERTIFICATE OF ASSAY AK 2007-0167

TTM Resources 17-Mar-07

520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 56
Sample Type: Core
Project: CHU
Shipment #: 23
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
7	G45607	0.056
10	G45610	0.062
29	G45630	0.064
48	G45650	0.064
52	G45654	0.051

QC DATA:

Repeat:

ET #.	Tag #	Mo (%)
7	G45607	0.057
29	G45630	0.063
48	G45650	0.065

Standard:

MP2		0.280
MP2		0.282
MP2		0.280

JJ/dc
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007- 0166

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Phone: 250-573-5700
Fax : 250-573-4557

Attention: Ken MacDonald

No. of samples received: 46
Sample Type: Core
Project: CHU
Shipment #: 22
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45552	<0.2	1.53	<5	105	<5	0.33	<1	20	149	237	4.14	<10	1.52	214	975	0.08	92	370	28	<5	<20	14	0.22	<10	281	<10	15	41
2	G45553	<0.2	1.55	<5	115	<5	0.37	<1	20	176	232	4.14	<10	1.49	216	796	0.10	95	410	30	<5	<20	16	0.22	<10	277	<10	15	42
3	G45554	<0.2	1.44	<5	95	<5	0.28	<1	20	159	310	4.15	<10	1.35	187	69	0.07	67	340	28	<5	<20	10	0.17	<10	208	<10	6	44
4	G45555	<0.2	1.60	<5	115	<5	0.36	<1	21	161	211	4.07	<10	1.38	206	114	0.07	61	390	32	<5	<20	21	0.19	<10	196	<10	11	39
5	G45556	<0.2	1.55	<5	115	<5	0.34	<1	17	157	184	4.14	<10	1.33	234	88	0.09	56	380	28	<5	<20	19	0.19	<10	207	<10	8	47
6	G45557	<0.2	1.50	<5	90	<5	0.33	<1	17	148	229	3.71	<10	1.28	253	132	0.09	53	390	30	<5	<20	22	0.16	<10	200	<10	11	43
7	G45558	<0.2	1.52	<5	95	<5	0.33	<1	16	151	225	3.74	<10	1.23	179	242	0.08	48	340	24	<5	<20	10	0.16	<10	185	<10	7	35
8	G45559	<0.2	1.43	5	90	<5	0.27	<1	17	134	286	3.87	<10	1.33	202	123	0.08	46	390	24	<5	<20	12	0.15	<10	202	<10	9	39
9	G45561	<0.2	1.35	<5	90	<5	0.24	<1	14	130	169	3.22	<10	1.19	182	88	0.05	46	280	26	<5	<20	23	0.14	<10	189	<10	9	38
10	G45562	0.2	1.54	<5	125	<5	0.31	<1	17	135	200	3.85	<10	1.31	258	205	0.08	52	360	30	<5	<20	37	0.18	<10	204	<10	10	40
11	G45563	<0.2	1.35	<5	100	<5	0.22	<1	15	144	146	3.30	<10	1.26	191	199	0.08	48	370	24	<5	<20	7	0.18	<10	197	<10	10	38
12	G45564	<0.2	1.28	<5	110	<5	0.26	<1	16	141	225	3.64	<10	1.28	214	158	0.10	46	390	24	<5	<20	17	0.17	<10	188	<10	11	45
13	G45565	<0.2	0.03	5	20	<5	>10	<1	<1	4	6	0.08	<10	>10	71	<1	<0.01	<1	340	<2	40	<20	113	<0.01	<10	4	<10	2	8
14	G45566	0.2	1.32	<5	120	<5	0.37	<1	21	130	209	4.13	<10	1.42	225	256	0.11	55	360	22	<5	<20	13	0.21	<10	212	<10	14	49
15	G45567	<0.2	0.86	<5	275	5	0.64	<1	13	80	15	2.23	<10	0.68	262	<1	0.11	12	1080	18	<5	<20	44	0.17	<10	70	<10	11	41
16	G45568	<0.2	0.90	<5	255	10	0.62	<1	13	68	15	2.11	<10	0.67	260	<1	0.12	11	1030	16	<5	<20	46	0.17	<10	67	<10	8	41
17	G45569	<0.2	0.84	<5	270	<5	0.59	<1	12	76	12	2.11	<10	0.66	245	<1	0.11	12	1000	16	<5	<20	46	0.17	<10	65	<10	9	38
18	G45570	<0.2	0.69	<5	120	<5	1.35	<1	8	19	119	2.42	20	0.48	632	639	0.04	14	750	18	<5	<20	130	0.02	<10	32	<10	17	74
19	G45571	<0.2	0.77	<5	290	15	0.57	<1	13	66	9	2.08	<10	0.63	238	<1	0.09	11	990	20	<5	<20	40	0.16	<10	64	<10	10	40
20	G45572	<0.2	0.84	<5	305	5	0.49	<1	12	81	12	1.96	<10	0.62	238	<1	0.11	10	810	18	<5	<20	41	0.18	<10	59	<10	8	42
21	G45573	<0.2	0.71	<5	245	<5	0.26	<1	12	81	49	1.65	<10	0.47	180	<1	0.09	10	370	14	<5	<20	22	0.14	<10	44	<10	3	36
22	G45574	<0.2	1.00	<5	380	<5	0.51	<1	18	87	60	2.39	<10	0.77	271	<1	0.11	13	790	22	<5	<20	47	0.21	<10	68	<10	10	43
23	G45575	<0.2	0.81	<5	315	5	0.53	<1	11	81	17	1.86	<10	0.59	229	<1	0.10	10	780	18	<5	<20	44	0.16	<10	59	<10	9	35
24	G45576	0.4	1.04	<5	65	<5	0.99	<1	19	66	437	3.49	<10	0.31	180	173	0.16	21	590	20	<5	<20	98	0.11	<10	53	<10	15	45
25	G45577	0.3	0.99	<5	50	<5	0.95	30	5	69	252	1.74	<10	0.18	190	140	0.16	8	220	18	<5	<20	69	0.04	<10	20	<10	9	1622

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G45578	<0.2	0.46	<5	60	<5	0.42	<1	5	89	111	0.88	<10	0.06	84	793	0.10	6	280	14	<5	<20	46	0.03	<10	8	<10	7	23
27	G45579	<0.2	1.14	<5	25	<5	1.21	<1	4	68	144	1.15	<10	<0.01	128	511	0.12	5	220	24	<5	<20	119	0.02	<10	15	<10	9	15
28	G45581	0.3	1.04	<5	30	<5	1.12	<1	9	63	204	1.66	<10	0.05	164	98	0.17	5	300	22	<5	<20	139	0.04	<10	17	<10	8	25
29	G45582	0.2	0.72	<5	45	<5	0.80	<1	7	62	281	2.19	<10	0.23	118	91	0.15	7	230	12	<5	<20	63	0.05	<10	29	<10	7	22
30	G45583	<0.2	1.16	5	195	<5	0.58	<1	19	97	321	2.68	10	0.73	261	20	0.14	15	830	22	<5	<20	94	0.20	<10	64	<10	10	45
31	G45584	<0.2	1.01	<5	455	15	0.77	<1	17	71	12	2.74	10	0.90	313	<1	0.09	14	1500	20	<5	<20	51	0.23	<10	90	<10	11	49
32	G45585	<0.2	0.05	5	30	<5	>10	<1	1	4	4	0.09	<10	>10	68	<1	<0.01	<1	360	<2	40	<20	116	<0.01	<10	3	<10	2	7
33	G45586	<0.2	0.80	<5	280	5	0.87	<1	14	71	12	2.33	<10	0.74	249	<1	0.07	12	1250	20	<5	<20	45	0.18	<10	69	<10	9	40
34	G45587	<0.2	0.89	<5	325	<5	0.77	<1	15	68	13	2.57	10	0.81	262	<1	0.09	14	1380	16	<5	<20	32	0.20	<10	82	<10	7	43
35	G45588	<0.2	0.90	<5	345	10	0.71	<1	16	64	14	2.60	10	0.83	270	<1	0.08	14	1350	20	<5	<20	33	0.20	<10	84	<10	11	44
36	G45589	<0.2	1.05	<5	315	20	1.21	<1	17	64	13	2.98	10	1.01	327	<1	0.08	17	1740	28	<5	<20	58	0.23	<10	95	<10	12	49
37	G45590	<0.2	0.70	5	130	<5	1.38	<1	8	19	114	2.58	20	0.47	611	635	0.04	13	780	16	<5	<20	115	0.02	<10	34	<10	18	79
38	G45591	<0.2	0.84	<5	260	10	0.89	<1	15	58	10	2.62	10	0.79	234	<1	0.08	15	1430	24	<5	<20	37	0.20	<10	82	<10	12	37
39	G45592	<0.2	0.83	<5	290	5	0.74	<1	14	66	11	2.56	10	0.75	221	<1	0.09	14	1390	22	<5	<20	29	0.19	<10	81	<10	10	36
40	G45593	<0.2	0.83	<5	370	10	0.71	<1	14	78	13	2.46	10	0.72	227	<1	0.10	13	1250	22	<5	<20	37	0.19	<10	77	<10	12	37
41	G45594	<0.2	0.86	<5	325	15	0.82	<1	18	58	12	2.58	10	0.78	225	<1	0.09	13	1390	24	<5	<20	38	0.21	<10	81	<10	12	36
42	G45595	<0.2	0.90	<5	410	<5	0.74	<1	15	69	34	2.71	<10	0.82	241	<1	0.09	14	1370	18	<5	<20	29	0.20	<10	86	<10	7	41
43	G45596	<0.2	0.90	5	290	10	0.96	<1	27	66	15	2.56	<10	0.84	245	<1	0.09	14	1440	22	<5	<20	35	0.21	<10	81	<10	9	38
44	G45597	<0.2	1.05	<5	430	10	1.10	<1	14	70	12	2.81	<10	1.05	300	<1	0.08	15	1520	26	<5	<20	43	0.22	<10	96	<10	13	37
45	G45598	<0.2	1.09	5	365	10	1.51	<1	11	59	9	2.56	10	1.08	341	<1	0.07	15	1540	24	<5	<20	48	0.20	<10	93	<10	11	40
46	G45599	<0.2	0.90	5	350	10	0.97	<1	15	69	13	2.67	10	0.79	252	<1	0.10	14	1530	26	<5	<20	50	0.21	<10	85	<10	14	41

QC DATA:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Repeat:																													
1	G45552	<0.2	1.54	5	100	<5	0.33	<1	20	149	240	4.12	<10	1.53	214	995	0.08	94	370	28	<5	<20	14	0.21	<10	281	<10	17	40
10	G45562	0.2	1.48	<5	120	5	0.31	<1	18	132	191	3.81	<10	1.27	255	198	0.07	52	370	32	<5	<20	40	0.18	<10	199	<10	11	40
19	G45571	<0.2	0.76	<5	285	10	0.56	<1	12	65	9	2.06	<10	0.62	234	<1	0.09	11	980	18	<5	<20	37	0.16	<10	64	<10	8	39
36	G45589	<0.2	1.11	<5	330	10	1.19	<1	16	63	14	3.05	10	1.07	332	<1	0.07	16	1780	24	<5	<20	56	0.21	<10	96	<10	10	49
Resplit:																													
1	G45552	<0.2	1.59	<5	110	<5	0.35	<1	20	151	238	4.19	<10	1.56	220	998	0.08	96	400	34	<5	<20	16	0.22	<10	288	<10	17	45
36	G45589	<0.2	1.06	<5	325	15	1.17	<1	16	70	14	3.00	10	1.00	324	<1	0.09	16	1740	26	5	<20	50	0.22	<10	94	<10	13	42
Standard:																													
Pb106		>30	0.55	280	110	<5	1.79	43	3	37	6273	1.45	<10	0.23	590	32	0.02	7	280	5230	55	<20	145	<0.01	<10	14	<10	2	8418
Pb106		>30	0.56	275	105	<5	1.62	44	3	41	6290	1.38	<10	0.24	572	30	0.03	6	270	5224	60	<20	135	<0.01	<10	14	<10	1	8362

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sa
df/158a
XLS/07

CERTIFICATE OF ASSAY AK 2007- 0166

TTM Resources 13-Mar-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 46
Sample Type: Core
Project: CHU
Shipment #: 22
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
1	G45552	0.099
2	G45553	0.081
18	G45570	0.064
26	G45578	0.081
27	G45579	0.052
37	G45590	0.064

QC DATA:

Repeat:		
1	G45552	0.102
Resplit:		
1	G45552	0.103
Standard:		
MP2		0.280
MP2		0.279

JJ/sa
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-163

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 67
Sample Type: Core
Project: CHU
Shipment #: 21
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45482	0.2	0.90	15	70	<5	0.82	<1	13	86	139	3.18	<10	0.76	264	807	0.06	2	590	24	<5	<20	14	0.07	<10	78	<10	14	37
2	G45483	<0.2	1.08	<5	110	<5	1.38	<1	16	63	122	3.17	20	0.88	382	60	0.06	7	1300	22	<5	<20	50	0.14	<10	65	<10	10	35
3	G45484	<0.2	1.46	5	220	15	1.17	<1	17	72	40	3.12	10	1.13	577	4	0.07	11	1580	32	<5	<20	55	0.22	<10	87	<10	16	45
4	G45485	<0.2	0.04	5	15	<5	>10	<1	<1	2	2	0.09	<10	>10	72	<1	<0.01	<1	470	<2	45	<20	119	<0.01	<10	3	<10	<1	4
5	G45486	<0.2	0.98	10	80	<5	1.07	<1	14	88	120	3.40	<10	0.75	301	231	0.05	4	600	22	<5	<20	20	0.05	<10	71	<10	10	32
6	G45487	<0.2	1.04	<5	65	<5	0.92	<1	14	91	175	3.71	<10	0.76	267	246	0.04	3	480	20	<5	<20	12	0.05	<10	65	<10	5	26
7	G45488	<0.2	0.96	5	75	<5	3.36	<1	18	68	286	4.40	<10	0.70	535	533	0.05	4	620	22	<5	<20	56	0.04	<10	75	<10	15	67
8	G45489	<0.2	0.75	15	75	<5	0.57	<1	17	99	80	3.63	<10	0.46	143	291	0.04	4	440	22	<5	<20	25	0.02	<10	50	<10	6	22
9	G45490	<0.2	0.67	<5	130	<5	1.31	<1	8	19	116	2.59	20	0.47	618	638	0.04	14	810	26	<5	<20	123	0.02	<10	31	<10	18	78
10	G45491	<0.2	0.90	10	80	<5	1.16	<1	16	66	125	3.58	<10	0.79	394	573	0.07	3	530	22	<5	<20	21	0.06	<10	75	<10	11	37
11	G45492	<0.2	1.14	25	40	<5	1.70	<1	16	87	126	3.16	<10	0.67	201	342	0.06	4	580	22	<5	<20	27	0.04	<10	64	<10	8	24
12	G45493	<0.2	0.80	20	40	<5	0.76	<1	8	76	46	1.89	<10	0.55	117	331	0.04	2	250	18	<5	<20	14	0.02	<10	46	<10	1	17
13	G45494	<0.2	0.71	5	80	<5	0.31	<1	4	109	22	1.06	<10	0.38	89	74	0.04	3	50	18	<5	<20	17	<0.01	<10	10	<10	4	33
14	G45495	<0.2	0.53	<5	80	<5	0.11	<1	5	79	19	1.43	<10	0.29	47	44	0.04	2	30	14	<5	<20	13	<0.01	<10	8	<10	<1	12
15	G45496	<0.2	0.58	10	55	<5	0.26	<1	6	124	20	1.51	<10	0.34	66	151	0.04	3	120	16	<5	<20	12	0.01	<10	17	<10	4	10
16	G45497	<0.2	0.76	10	60	<5	0.41	<1	10	77	116	2.68	<10	0.55	110	221	0.07	4	180	18	<5	<20	11	0.03	<10	40	<10	3	21
17	G45498	<0.2	0.47	5	35	<5	0.09	<1	4	143	26	0.86	<10	0.16	34	58	0.02	3	60	14	<5	<20	14	<0.01	<10	7	<10	3	7
18	G45499	<0.2	1.31	5	65	<5	0.68	<1	17	63	165	3.74	<10	1.20	179	287	0.05	4	550	28	<5	<20	14	0.10	<10	104	<10	8	37
19	G45501	0.3	1.66	<5	110	<5	0.41	<1	25	83	475	5.89	<10	1.73	364	64	0.13	3	740	30	<5	<20	25	0.19	<10	157	<10	17	87
20	G45502	<0.2	1.14	<5	205	10	0.96	<1	21	59	48	3.39	<10	0.90	457	<1	0.09	9	1510	28	<5	<20	48	0.21	<10	84	<10	13	66
21	G45503	<0.2	1.07	<5	215	15	0.95	<1	15	84	21	2.91	<10	0.81	456	<1	0.09	6	1380	24	<5	<20	47	0.21	<10	75	<10	14	62
22	G45504	<0.2	0.30	<5	35	<5	0.40	<1	8	87	76	1.31	<10	0.10	71	1	0.07	5	190	12	<5	<20	16	0.02	<10	10	<10	4	14
23	G45505	<0.2	0.05	10	15	<5	>10	<1	<1	3	2	0.08	<10	>10	69	<1	<0.01	<1	420	<2	40	<20	112	<0.01	<10	3	<10	<1	6
24	G45506	<0.2	1.13	<5	255	10	1.12	<1	17	57	17	3.08	<10	0.93	470	<1	0.09	8	1540	22	<5	<20	60	0.22	<10	84	<10	12	66
25	G45507	<0.2	0.86	<5	85	<5	0.61	<1	9	65	148	2.19	<10	0.77	169	173	0.08	2	320	22	<5	<20	52	0.07	<10	60	<10	10	80

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G45508	<0.2	0.82	<5	60	<5	0.24	<1	7	79	147	1.67	<10	0.68	119	156	0.08	2	120	16	<5	<20	10	0.06	<10	50	<10	4	18
27	G45509	0.4	2.18	<5	125	<5	0.94	<1	28	48	855	7.23	<10	2.22	369	186	0.10	6	890	36	<5	<20	26	0.25	<10	204	<10	20	68
28	G45510	<0.2	0.71	<5	125	<5	1.35	<1	109	20	130	2.46	20	0.51	613	638	0.04	16	810	16	<5	<20	118	0.03	<10	31	<10	18	78
29	G45511	<0.2	0.67	5	55	<5	0.18	<1	7	113	72	1.39	<10	0.46	76	436	0.06	2	120	18	<5	<20	13	0.02	<10	27	<10	4	11
30	G45512	0.2	1.71	<5	125	<5	0.65	<1	36	56	588	6.89	<10	1.73	302	368	0.11	5	790	30	<5	<20	30	0.23	<10	196	<10	14	62
31	G45513	0.2	1.49	<5	120	<5	0.54	<1	34	68	454	5.89	<10	1.44	311	538	0.13	6	800	28	<5	<20	26	0.22	<10	179	<10	13	59
32	G45514	0.5	1.07	<5	120	<5	1.09	<1	33	64	1041	7.75	<10	0.61	219	537	0.18	5	770	28	<5	<20	73	0.15	<10	92	<10	13	53
33	G45515	0.4	0.98	5	115	<5	0.92	<1	25	71	535	5.49	<10	0.67	270	223	0.15	4	840	38	<5	<20	43	0.18	<10	103	<10	21	64
34	G45516	0.6	0.64	<5	45	<5	1.14	<1	44	53	1050	8.94	<10	0.20	167	187	0.15	8	760	12	<5	<20	36	0.12	<10	60	<10	<1	51
35	G45517	0.4	1.26	<5	90	<5	0.78	<1	26	65	625	7.08	<10	1.19	365	84	0.10	6	800	26	<5	<20	13	0.20	<10	158	<10	4	81
36	G45518	0.6	1.21	<5	75	<5	0.98	<1	33	56	725	6.97	<10	0.86	328	208	0.16	7	820	28	<5	<20	50	0.17	<10	123	<10	6	65
37	G45519	1.1	1.22	10	100	<5	2.57	<1	65	60	1092	9.43	<10	1.02	451	223	0.10	6	690	22	<5	<20	34	0.15	<10	135	<10	<1	69
38	G45521	0.5	1.34	<5	95	<5	0.67	<1	24	65	857	6.29	<10	1.28	339	165	0.14	5	820	32	<5	<20	18	0.22	<10	175	<10	9	81
39	G45522	0.5	1.42	<5	130	<5	0.69	<1	24	56	900	6.13	<10	1.34	370	95	0.14	6	830	34	<5	<20	21	0.20	<10	174	<10	12	85
40	G45523	0.4	1.47	<5	90	<5	1.04	<1	28	63	641	6.31	<10	1.31	317	287	0.11	6	830	36	<5	<20	35	0.19	<10	166	<10	11	70
41	G45524	0.4	1.21	<5	70	<5	0.84	<1	26	79	620	5.78	<10	1.07	257	698	0.10	6	630	24	<5	<20	16	0.17	<10	136	<10	4	57
42	G45525	<0.2	0.04	5	15	<5	>10	<1	<1	4	4	0.08	<10	>10	70	<1	<0.01	<1	360	<2	40	<20	105	<0.01	<10	3	<10	<1	6
43	G45526	0.5	1.39	<5	100	<5	0.83	<1	25	71	891	6.69	<10	1.31	317	300	0.14	7	630	26	<5	<20	22	0.17	<10	143	<10	5	67
44	G45527	0.3	0.89	<5	105	<5	0.75	<1	15	67	461	4.37	<10	0.50	282	215	0.13	4	630	24	<5	<20	26	0.10	<10	65	<10	14	42
45	G45528	0.4	0.83	<5	80	<5	0.63	<1	14	75	405	3.79	<10	0.50	262	409	0.13	3	630	20	<5	<20	22	0.08	<10	56	<10	17	42
46	G45529	0.5	1.08	<5	75	<5	1.17	<1	24	65	588	5.32	<10	0.58	315	87	0.16	10	660	24	<5	<20	42	0.12	<10	76	<10	14	60
47	G45530	<0.2	0.69	5	125	<5	1.33	<1	8	20	117	2.64	20	0.47	616	647	0.04	15	830	18	<5	<20	126	0.02	<10	32	<10	18	81
48	G45531	0.4	1.17	<5	80	<5	1.12	<1	24	96	705	6.10	<10	0.66	239	181	0.14	32	700	32	<5	<20	50	0.13	<10	144	<10	18	56
49	G45532	0.2	1.22	<5	95	<5	0.63	<1	27	140	500	5.07	<10	1.10	235	216	0.10	48	510	32	<5	<20	24	0.17	<10	184	<10	18	51
50	G45533	<0.2	1.40	<5	100	<5	0.54	<1	25	153	303	4.50	<10	1.30	241	128	0.11	63	490	34	<5	<20	24	0.23	<10	232	<10	19	48
51	G45534	0.2	1.49	<5	95	<5	0.59	<1	19	171	368	4.76	<10	1.54	263	118	0.10	94	640	30	<5	<20	16	0.18	<10	263	<10	19	56
52	G45535	<0.2	1.44	5	95	<5	0.40	<1	16	159	199	3.78	<10	1.41	205	205	0.09	54	420	34	<5	<20	16	0.16	<10	205	<10	10	38
53	G45536	<0.2	1.31	10	80	<5	0.77	<1	15	148	226	3.63	<10	1.28	201	267	0.07	50	440	30	<5	<20	28	0.12	<10	178	<10	12	37
54	G45537	0.2	1.28	15	75	<5	0.66	<1	21	166	212	3.81	<10	1.24	198	143	0.08	76	410	30	<5	<20	39	0.13	<10	241	<10	11	38
55	G45538	<0.2	1.29	15	85	<5	1.46	<1	17	145	265	4.20	<10	1.31	240	513	0.07	89	540	32	<5	<20	74	0.09	<10	230	<10	18	41
56	G45539	0.2	1.22	20	65	<5	0.92	<1	17	192	299	4.27	<10	1.16	205	465	0.06	103	450	28	<5	<20	27	0.10	<10	240	<10	13	39
57	G45541	<0.2	0.84	5	35	<5	2.72	<1	4	34	19	1.52	30	0.34	273	10	0.05	4	350	28	<5	<20	57	<0.01	<10	12	<10	13	27
58	G45542	<0.2	0.73	10	60	<5	1.61	<1	4	119	6	1.33	30	0.26	235	5	0.07	4	310	28	<5	<20	33	<0.01	<10	15	<10	13	24
59	G45543	<0.2	0.64	5	40	<5	1.47	<1	4	73	10	1.26	30	0.26	232	4	0.06	3	320	24	<5	<20	30	<0.01	<10	15	<10	11	25
60	G45544	<0.2	0.81	10	85	<5	2.05	<1	5	83	18	1.34	30	0.28	250	8	0.07	3	340	34	<5	<20	45	<0.01	<10	13	<10	14	27
61	G45545	<0.2	0.04	10	20	<5	>10	<1	<1	4	3	0.08	<10	>10	74	<1	<0.01	<1	400	<2	40	<20	112	<0.01	<10	3	<10	<1	5
62	G45546	<0.2	1.42	55	85	<5	0.88	<1	16	146	210	3.83	<10	1.34	197	356	0.05	60	340	32	<5	<20	24	0.13	<10	189	<10	11	33
63	G45547	<0.2	1.64	<5	95	<5	0.73	<1	19	137	170	4.07	<10	1.51	213	172	0.05	62	420	34	<5	<20	46	0.19	<10	208	<10	12	37
64	G45548	0.3	1.60	5	85	<5	0.71	<1	21	151	372	4.42	<10	1.49	204	168	0.08	80	520	34	<5	<20	49	0.18	<10	272	<10	18	38
65	G45549	<0.2	1.38	10	85	<5	0.44	<1	21	128	373	4.95	<10	1.42	227	296	0.09	76	520	30	<5	<20	24	0.20	<10	260	<10	19	43
66	G45550	<0.2	0.67	<5	130	<5	1.38	<1	8	20	125	2.63	20	0.50	621	605	0.04	15	860	18	<5	<20	126	0.03	<10	36	<10	19	81
67	G45551	0.3	1.38	<5	100	<5	0.55	<1	20	109	386	4.87	<10	1.35	230	175	0.09	77	570	30	<5	<20	18	0.19	<10	257	<10	18	45

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn

QC DATA:

Repeat:

1	G45482	<0.2	0.89	15	70	<5	0.81	<1	13	84	139	3.15	<10	0.76	263	799	0.05	2	570	22	<5	<20	14	0.07	<10	77	<10	13	36
10	G45491	<0.2	0.92	5	75	<5	1.16	<1	16	66	128	3.59	<10	0.81	396	579	0.07	4	530	20	<5	<20	19	0.06	10	77	<10	9	36
19	G45501	0.2	1.72	<5	105	<5	0.41	<1	26	83	483	6.05	<10	1.78	369	70	0.13	4	730	30	<5	<20	27	0.19	<10	161	<10	18	86
36	G45518	0.7	1.29	<5	80	<5	1.02	<1	31	58	768	6.68	<10	0.94	332	175	0.17	5	810	28	<5	<20	58	0.18	<10	130	<10	10	64
45	G45528	0.4	0.85	<5	90	<5	0.63	<1	14	75	403	3.79	<10	0.50	264	395	0.14	3	650	22	<5	<20	23	0.09	<10	57	<10	20	42
54	G45537	<0.2	1.32	15	85	<5	0.68	<1	22	170	218	3.85	<10	1.28	202	141	0.08	76	410	32	<5	<20	40	0.13	20	247	<10	13	39

Resplit:

1	G45482	<0.2	0.92	15	70	<5	0.75	<1	13	79	133	3.14	<10	0.75	272	796	0.06	3	600	22	<5	<20	11	0.08	<10	76	<10	12	37
36	G45518	0.6	1.34	<5	80	<5	1.08	<1	38	62	779	6.78	<10	0.91	330	207	0.20	6	820	28	<5	<20	55	0.20	10	132	<10	9	62

Standard:

PB106	>30	0.52	270	75	<5	1.67	39	4	41	6278	1.63	<10	0.26	556	30	0.02	7	280	5206	55	<20	141	<0.01	<10	15	<10	<1	8367
PB106	>30	0.51	270	75	<5	1.68	38	4	42	6257	1.56	<10	0.22	553	32	0.02	7	280	5268	55	<20	139	<0.01	<10	14	<10	<1	8374

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sa
df/158am
XLS/06

CERTIFICATE OF ASSAY AK 2007-163

TTM Resources 13-Mar-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 67
Sample Type: Core
Project: CHU
Shipment #: 21
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
1	G45482	0.079
7	G45488	0.051
9	G45490	0.063
10	G45491	0.054
28	G45510	0.063
31	G45513	0.056
32	G45514	0.052
41	G45524	0.073
47	G45530	0.064
55	G45538	0.049
66	G45550	0.063

QC DATA:
Repeat:

1	G45482	0.077
10	G45491	0.054

Standard:

MP2	0.280
MP2	0.279

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sa
XLS/07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-0148

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 43
Sample Type: Core
Project: CHU
Shipment #: 20
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45436	<0.2	0.88	<5	80	<5	0.40	<1	12	42	209	3.24	<10	0.67	316	26	0.14	2	650	12	<5	<20	14	0.13	<10	71	<10	10	41
2	G45437	<0.2	0.90	<5	90	<5	0.35	<1	13	44	240	3.33	<10	0.66	295	107	0.13	2	620	12	<5	<20	15	0.13	<10	74	<10	13	43
3	G45438	<0.2	0.83	<5	85	<5	0.46	<1	11	35	205	2.78	<10	0.66	273	193	0.12	2	650	12	<5	<20	18	0.12	<10	66	<10	12	40
4	G45439	<0.2	0.93	<5	95	<5	0.45	<1	16	47	288	3.58	<10	0.68	360	139	0.15	1	570	12	<5	<20	21	0.13	<10	69	<10	12	48
5	G45441	0.2	0.70	<5	75	<5	0.58	<1	14	35	461	4.05	<10	0.42	261	428	0.12	2	520	10	<5	<20	39	0.10	<10	49	<10	8	35
6	G45442	<0.2	1.04	<5	125	<5	0.43	<1	12	43	222	3.22	<10	0.86	451	698	0.13	2	610	16	<5	<20	19	0.16	<10	84	<10	18	66
7	G45443	<0.2	0.99	<5	110	<5	0.40	<1	12	46	209	3.12	<10	0.81	385	167	0.14	3	650	20	<5	<20	16	0.14	<10	82	<10	17	62
8	G45444	0.3	0.53	<5	75	<5	0.87	<1	20	33	422	3.74	<10	0.36	197	228	0.11	4	770	8	<5	<20	34	0.09	<10	45	<10	5	40
9	G45445	<0.2	0.03	<5	15	<5	>10	<1	<1	2	6	0.08	<10	>10	71	<1	<0.01	<1	340	<2	35	<20	111	<0.01	<10	2	<10	<1	6
10	G45446	0.5	0.56	<5	65	<5	1.19	<1	17	39	590	4.38	<10	0.49	219	587	0.11	4	720	10	<5	<20	52	0.09	<10	55	<10	6	39
11	G45447	0.6	0.57	<5	60	<5	1.32	1	43	41	754	5.67	<10	0.45	225	227	0.08	8	690	10	<5	<20	55	0.08	<10	53	<10	1	40
12	G45448	0.4	0.74	<5	45	<5	0.81	<1	20	39	582	4.40	<10	0.56	216	372	0.09	5	820	12	<5	<20	28	0.08	<10	57	<10	5	41
13	G45449	0.4	0.77	1695	50	<5	2.12	2	16	29	436	4.15	<10	0.30	247	306	0.01	5	700	16	15	<20	24	<0.01	<10	32	<10	3	64
14	G45450	<0.2	0.66	5	125	<5	1.29	<1	7	18	109	2.43	20	0.44	585	606	0.04	14	730	18	<5	<20	109	0.02	<10	29	<10	18	74
15	G45451	0.2	0.87	50	55	<5	3.25	<1	19	30	465	3.87	<10	0.43	371	207	0.03	6	950	12	<5	<20	28	0.02	<10	54	<10	5	47
16	G45452	0.2	1.44	<5	55	<5	1.23	<1	18	31	381	3.73	<10	0.73	277	183	0.13	3	850	26	<5	<20	23	0.09	<10	101	<10	7	55
17	G45453	0.2	0.72	<5	55	<5	0.85	<1	14	35	427	3.46	<10	0.50	216	187	0.08	4	870	14	<5	<20	18	0.11	<10	68	<10	6	47
18	G45454	0.5	0.62	15	60	<5	0.88	<1	21	37	566	5.12	<10	0.34	193	160	0.06	7	810	12	<5	<20	29	0.09	<10	64	<10	<1	37
19	G45455	0.4	0.81	5	65	<5	1.01	<1	15	52	439	3.62	<10	0.43	208	387	0.09	4	780	18	<5	<20	52	0.10	<10	73	<10	5	48
20	G45456	0.4	0.75	5	55	<5	0.96	<1	17	51	472	4.04	<10	0.40	193	960	0.07	4	710	16	<5	<20	88	0.08	<10	62	<10	2	43
21	G45457	<0.2	0.41	<5	55	<5	0.69	<1	7	65	105	1.94	<10	0.34	153	17	0.06	4	830	12	<5	<20	31	0.05	<10	24	<10	2	32
22	G45458	<0.2	0.39	<5	45	<5	0.78	<1	6	61	119	1.77	<10	0.34	176	7	0.05	4	800	10	<5	<20	19	0.05	<10	24	<10	1	31
23	G45459	0.6	0.37	<5	40	<5	1.12	<1	24	49	697	5.27	<10	0.22	207	495	0.07	6	750	8	<5	<20	87	0.07	<10	33	<10	<1	38
24	G45461	0.5	0.78	10	45	<5	2.43	<1	16	36	604	4.54	<10	0.51	386	516	0.04	5	770	14	<5	<20	39	0.06	<10	76	<10	3	49
25	G45462	0.4	0.53	10	65	<5	1.14	<1	17	50	540	4.31	<10	0.24	233	429	0.07	5	870	14	<5	<20	54	0.09	<10	65	<10	6	41
26	G45463	0.3	0.86	15	55	<5	0.84	<1	29	46	446	4.00	<10	0.45	207	182	0.10	8	820	16	<5	<20	23	0.10	<10	87	<10	7	56
27	G45464	0.4	0.65	10	45	<5	1.09	<1	26	43	637	5.00	<10	0.44	237	477	0.07	6	800	12	<5	<20	20	0.09	<10	59	<10	3	49
28	G45465	<0.2	0.03	5	15	<5	>10	<1	<1	4	9	0.08	<10	>10	68	1	<0.01	<1	350	<2	30	<20	105	<0.01	<10	3	<10	2	8
29	G45466	0.4	0.77	<5	75	<5	0.71	<1	20	39	500	4.48	<10	0.55	295	219	0.09	5	790	14	<5	<20	15	0.13	<10	87	<10	7	64
30	G45467	0.2	0.62	5	55	<5	0.66	<1	21	42	377	3.54	<10	0.49	220	312	0.06	5	750	12	<5	<20	16	0.10	<10	61	<10	6	55

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G45468	0.4	0.46	<5	50	<5	1.00	<1	19	31	578	3.96	<10	0.25	196	237	0.05	4	780	10	<5	<20	19	0.08	<10	45	<10	4	47
32	G45469	<0.2	0.52	<5	140	<5	0.73	<1	7	57	36	1.60	<10	0.43	188	<1	0.04	7	670	12	<5	<20	20	0.07	<10	34	<10	4	34
33	G45470	<0.2	0.65	<5	115	<5	1.24	<1	6	17	109	2.29	10	0.40	578	618	0.04	14	790	16	<5	<20	105	0.02	<10	27	<10	17	74
34	G45471	<0.2	0.59	5	40	<5	1.55	<1	5	52	17	1.44	10	0.33	158	8	0.03	7	680	14	<5	<20	29	<0.01	<10	22	<10	3	38
35	G45472	0.4	0.96	10	65	<5	2.87	<1	20	30	513	4.68	<10	0.86	442	219	0.05	5	790	16	<5	<20	34	0.08	<10	92	<10	7	54
36	G45473	0.3	0.67	15	55	<5	0.89	<1	44	57	567	5.91	<10	0.49	228	2621	0.05	5	570	14	<5	<20	40	0.08	<10	45	<10	<1	45
37	G45474	<0.2	1.00	25	75	<5	0.59	<1	14	62	165	3.18	<10	0.86	498	298	0.05	2	580	20	<5	<20	25	0.15	<10	79	<10	11	73
38	G45475	<0.2	0.84	10	60	<5	1.81	<1	10	56	178	3.41	<10	0.81	293	491	0.03	1	510	18	<5	<20	32	0.08	<10	73	<10	8	38
39	G45476	<0.2	0.87	<5	70	<5	0.79	<1	12	61	154	2.69	<10	0.79	359	133	0.05	2	570	20	<5	<20	22	0.13	<10	80	<10	13	64
40	G45477	<0.2	0.81	<5	190	5	0.90	<1	10	59	22	2.27	<10	0.70	326	5	0.05	7	1110	18	<5	<20	33	0.13	<10	60	<10	6	46
41	G45478	<0.2	0.94	<5	245	<5	0.85	<1	11	63	29	2.38	<10	0.74	358	10	0.06	6	1080	18	<5	<20	78	0.16	<10	63	<10	6	48
42	G45479	<0.2	1.05	5	90	<5	0.49	<1	15	50	129	3.02	<10	1.01	382	186	0.07	4	840	22	<5	<20	38	0.17	<10	88	<10	18	57
43	G45481	<0.2	0.81	<5	55	<5	0.24	<1	12	55	106	3.19	<10	0.77	177	428	0.06	4	410	16	<5	<20	19	0.07	<10	68	<10	6	36

QC DATA:

Repeat:

1	G45436	<0.2	0.81	<5	80	<5	0.42	<1	12	41	199	3.13	<10	0.64	303	25	0.13	3	660	14	<5	<20	12	0.13	<10	67	<10	11	41
10	G45446	0.5	0.52	<5	55	<5	1.18	<1	17	38	584	4.33	<10	0.45	215	569	0.10	4	740	12	<5	<20	48	0.09	<10	53	<10	5	42
19	G45455	0.4	0.85	10	55	<5	1.04	<1	16	54	457	3.71	<10	0.45	215	395	0.10	5	800	18	<5	<20	51	0.10	<10	76	10	6	49

Resplit:

1	G45436	<0.2	0.75	<5	75	<5	0.38	<1	12	44	197	3.13	<10	0.59	311	30	0.11	3	670	16	<5	<20	10	0.14	<10	68	<10	11	42
36	G45473	0.3	0.70	15	55	<5	0.94	<1	36	68	542	5.78	<10	0.48	232	2639	0.05	6	600	16	<5	<20	45	0.09	<10	48	<10	4	50

Standard:

PB106	>30	0.52	270	75	<5	1.67	39	4	41	6278	1.63	<10	0.26	556	30	0.02	7	280	5206	55	<20	141	<0.01	<10	15	10	<1	8367
PB106	>30	0.51	270	75	<5	1.68	38	4	42	6257	1.56	<10	0.22	553	32	0.02	7	280	5268	55	<20	139	<0.01	<10	14	10	<1	8374

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kk
df/148
XLS/06

CERTIFICATE OF ASSAY AK 2007-0148

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

7-Mar-07

Attention: Ken MacDonald

No. of samples received: 43
Sample Type: Core
Project: CHU
Shipment #: 20
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
6	G45442	0.071
10	G45446	0.060
14	G45450	0.063
20	G45456	0.099
23	G45459	0.048
24	G45461	0.050
27	G45464	0.048
33	G45470	0.064
36	G45473	0.252

QC DATA:

Repeat:

6	G45442	0.074

Standard:

MP2		0.269
MP2		0.289
MP2		0.286
HV1		0.049

JJ/dc
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-0147

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 54
Sample Type: Core
Project: CHU
Shipment #: 19
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45381	<0.2	1.96	<5	115	<5	0.78	<1	33	64	265	5.92	<10	1.80	835	195	0.10	13	890	24	<5	<20	81	0.26	<10	176	<10	10	107
2	G45382	<0.2	1.57	<5	195	<5	0.69	<1	27	53	233	4.05	<10	1.44	609	117	0.11	9	900	26	<5	<20	47	0.23	<10	181	<10	15	85
3	G45383	<0.2	1.67	<5	185	<5	0.57	<1	26	84	146	3.75	<10	1.67	557	125	0.09	15	820	26	<5	<20	51	0.25	<10	160	<10	11	88
4	G45384	<0.2	1.54	<5	130	<5	0.65	<1	21	42	217	3.86	<10	1.50	476	147	0.07	7	930	24	<5	<20	68	0.22	<10	185	<10	12	76
5	G45385	<0.2	1.61	<5	100	<5	1.54	<1	22	52	469	5.04	<10	1.20	486	1020	0.06	7	900	20	<5	<20	57	0.16	<10	202	<10	6	65
6	G45386	0.2	1.96	<5	120	<5	0.95	<1	28	54	253	4.80	<10	1.49	567	71	0.13	16	830	24	<5	<20	26	0.22	<10	183	<10	9	79
7	G45387	<0.2	2.38	<5	140	<5	2.17	<1	28	65	279	5.61	<10	2.18	677	19	0.10	20	800	20	<5	<20	62	0.23	<10	75	<10	3	83
8	G45388	<0.2	2.43	<5	145	<5	2.20	<1	27	56	319	5.46	<10	2.46	749	78	0.09	18	850	24	<5	<20	109	0.23	<10	163	<10	7	96
9	G45389	<0.2	1.49	<5	125	<5	0.89	<1	29	58	380	5.15	<10	1.28	448	328	0.12	15	810	20	<5	<20	43	0.18	<10	138	<10	10	61
10	G45390	<0.2	0.73	<5	130	<5	1.31	<1	7	18	124	2.62	20	0.50	617	642	0.04	15	860	16	<5	<20	124	0.02	<10	32	<10	17	71
11	G45391	<0.2	1.25	<5	105	<5	1.09	<1	17	44	164	2.75	<10	0.96	319	429	0.11	6	840	18	<5	<20	61	0.14	<10	100	<10	13	40
12	G45392	<0.2	1.18	<5	115	<5	1.10	<1	18	51	217	3.48	<10	1.00	341	403	0.07	6	790	16	<5	<20	58	0.16	<10	111	<10	9	42
13	G45393	<0.2	1.01	<5	115	<5	1.02	<1	13	37	174	2.87	<10	0.84	302	550	0.08	2	1200	18	<5	<20	47	0.15	<10	73	<10	16	36
14	G45394	<0.2	0.57	<5	125	<5	1.01	<1	8	73	209	2.13	10	0.37	193	55	0.10	4	1510	12	<5	<20	79	0.09	<10	32	<10	6	26
15	G45395	0.3	1.11	<5	255	<5	1.15	<1	26	58	560	5.22	<10	0.67	351	137	0.18	11	880	16	<5	<20	76	0.15	<10	90	<10	8	38
16	G45396	<0.2	0.06	<5	25	<5	>10	<1	<1	4	5	0.10	<10	>10	71	<1	<0.01	<1	440	<2	35	<20	115	<0.01	<10	3	<10	2	5
17	G45397	0.3	0.97	<5	215	<5	1.13	<1	35	76	470	4.48	<10	0.72	338	151	0.12	11	780	14	<5	<20	76	0.14	<10	79	<10	8	36
18	G45398	0.3	0.58	15	120	<5	1.15	<1	70	80	507	5.49	<10	0.34	182	1411	0.10	7	800	12	<5	<20	50	0.06	<10	30	<10	<1	23
19	G45399	<0.2	1.22	<5	135	<5	1.94	<1	18	74	263	3.85	<10	1.25	380	140	0.08	7	880	18	<5	<20	59	0.10	<10	103	<10	14	38
20	G45401	<0.2	0.77	<5	85	<5	1.61	2	7	72	153	2.12	10	0.65	265	7	0.06	9	980	10	<5	<20	50	0.02	<10	41	<10	4	31
21	G45402	<0.2	1.57	<5	165	<5	0.77	<1	20	48	245	3.96	<10	1.61	566	61	0.09	7	920	24	<5	<20	31	0.23	<10	153	<10	14	77
22	G45403	<0.2	1.15	<5	125	<5	0.86	<1	22	48	208	3.76	<10	1.10	477	144	0.10	8	870	18	<5	<20	39	0.19	<10	126	<10	12	68
23	G45404	<0.2	1.81	5	100	<5	1.34	<1	18	53	197	4.00	<10	1.69	549	176	0.12	9	880	24	<5	<20	70	0.19	<10	148	<10	15	74
24	G45405	<0.2	0.05	<5	15	<5	>10	<1	<1	3	2	0.08	<10	>10	69	<1	<0.01	<1	480	<2	35	<20	124	<0.01	<10	3	<10	<1	5
25	G45406	<0.2	0.96	<5	240	<5	1.04	<1	20	71	256	3.02	10	0.64	205	79	0.19	5	1420	16	<5	<20	97	0.11	<10	47	<10	8	35

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G45407	<0.2	1.56	<5	145	<5	1.34	<1	19	42	279	4.41	<10	1.61	654	320	0.09	7	980	22	<5	<20	27	0.21	<10	136	<10	14	83
27	G45408	<0.2	0.63	<5	90	<5	1.24	<1	5	74	38	1.59	10	0.49	185	7	0.08	7	800	12	<5	<20	55	0.02	<10	28	<10	4	34
28	G45409	<0.2	0.78	<5	375	<5	0.71	<1	7	97	52	1.73	10	0.58	209	<1	0.10	9	860	12	<5	<20	54	0.11	<10	42	<10	6	37
29	G45410	<0.2	0.75	<5	130	<5	1.32	<1	7	19	123	2.60	20	0.49	617	653	0.04	13	870	18	<5	<20	130	0.02	<10	31	<10	20	71
30	G45411	<0.2	0.78	<5	350	5	0.54	<1	8	68	40	1.75	<10	0.59	205	2	0.12	9	950	14	<5	<20	42	0.14	<10	45	<10	6	41
31	G45412	<0.2	0.80	<5	330	10	0.51	<1	8	80	32	1.72	<10	0.57	198	<1	0.13	9	930	12	<5	<20	42	0.13	<10	44	<10	6	39
32	G45413	<0.2	0.74	<5	270	<5	0.70	<1	7	76	34	1.70	<10	0.57	194	<1	0.11	9	860	12	<5	<20	50	0.10	<10	41	<10	5	38
33	G45414	<0.2	0.79	<5	350	5	0.55	<1	8	74	26	1.68	<10	0.53	197	<1	0.15	8	890	16	<5	<20	52	0.12	<10	42	<10	9	38
34	G45415	<0.2	0.75	<5	245	5	0.63	<1	7	79	12	1.61	10	0.47	184	8	0.14	6	740	16	<5	<20	56	0.10	<10	38	<10	5	38
35	G45416	<0.2	0.91	<5	100	<5	2.28	<1	16	94	310	3.38	<10	0.63	325	423	0.10	5	680	18	<5	<20	123	0.09	<10	58	<10	9	41
36	G45417	<0.2	0.71	<5	195	10	0.72	<1	6	71	9	1.59	10	0.45	179	1	0.14	7	720	14	<5	<20	47	0.08	<10	37	<10	4	37
37	G45418	<0.2	0.73	<5	190	10	1.04	<1	6	121	10	1.59	10	0.44	190	<1	0.12	7	730	14	<5	<20	76	0.07	<10	35	<10	6	34
38	G45419	<0.2	1.29	<5	145	<5	1.33	<1	29	60	498	5.14	<10	0.76	333	169	0.24	5	890	20	<5	<20	92	0.14	<10	78	<10	7	51
39	G45420	<0.2	1.16	<5	150	<5	1.24	<1	24	51	361	3.99	<10	0.74	347	162	0.22	4	890	24	<5	<20	64	0.14	<10	80	<10	14	50
40	G45421	<0.2	1.23	<5	160	<5	1.17	<1	23	50	466	4.69	<10	0.76	358	308	0.25	5	940	22	<5	<20	59	0.14	<10	75	<10	9	58
41	G45422	0.2	1.00	10	155	<5	1.04	<1	16	81	450	3.75	<10	0.65	243	3548	0.18	4	650	20	<5	<20	61	0.11	<10	50	<10	8	34
42	G45423	<0.2	1.42	<5	210	<5	1.05	<1	17	59	286	4.11	<10	1.05	469	149	0.24	3	880	24	<5	<20	41	0.18	<10	99	<10	12	68
43	G45424	<0.2	0.87	<5	210	10	0.86	<1	9	53	32	2.38	10	0.56	215	5	0.20	6	1810	16	<5	<20	91	0.12	<10	61	<10	7	31
44	G45425	<0.2	0.05	<5	35	<5	>10	<1	<1	3	2	0.08	<10	>10	72	1	<0.01	<1	430	<2	35	<20	126	<0.01	<10	3	<10	<1	4
45	G45426	<0.2	1.36	<5	150	<5	1.07	<1	19	53	447	4.04	<10	0.74	344	44	0.28	5	1210	18	<5	<20	95	0.15	<10	81	<10	9	41
46	G45427	<0.2	1.06	<5	250	<5	0.80	<1	10	52	61	2.30	10	0.69	257	<1	0.23	8	1640	16	<5	<20	99	0.14	<10	61	<10	8	40
47	G45428	<0.2	1.22	<5	230	<5	1.09	<1	17	77	184	2.77	20	0.83	318	29	0.27	7	1770	20	<5	<20	125	0.15	<10	65	<10	10	54
48	G45429	<0.2	1.49	<5	190	<5	1.00	<1	23	45	527	5.16	<10	1.07	433	332	0.26	6	1000	24	<5	<20	57	0.17	<10	105	<10	9	72
49	G45430	<0.2	0.72	<5	130	<5	1.31	<1	7	19	121	2.61	20	0.48	610	625	0.04	15	890	18	<5	<20	124	0.02	<10	32	<10	19	72
50	G45431	<0.2	1.84	<5	220	<5	0.69	<1	22	58	378	4.97	<10	1.50	509	192	0.24	5	960	28	<5	<20	40	0.22	<10	161	<10	12	78
51	G45432	0.2	1.42	<5	140	<5	0.72	<1	17	54	484	4.88	<10	0.99	381	494	0.23	5	740	16	<5	<20	34	0.16	<10	101	<10	6	51
52	G45433	<0.2	1.32	<5	190	<5	0.77	<1	15	72	270	3.53	<10	0.88	370	130	0.29	5	1230	20	<5	<20	65	0.17	<10	76	<10	13	53
53	G45434	<0.2	0.97	<5	100	<5	1.27	<1	13	72	362	3.08	<10	0.50	267	133	0.17	2	740	16	<5	<20	43	0.10	<10	49	<10	13	28
54	G45435	<0.2	1.24	<5	170	<5	0.62	<1	13	92	307	3.40	<10	0.73	290	1831	0.23	2	730	24	<5	<20	58	0.13	<10	68	<10	13	37

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45381	<0.2	1.91	<5	120	<5	0.75	<1	33	63	262	5.85	<10	1.77	831	194	0.10	14	890	26	<5	<20	81	0.24	<10	173	<10	9	107
10	G45390	<0.2	0.71	<5	130	<5	1.33	<1	7	19	123	2.63	20	0.48	620	647	0.04	13	860	16	<5	<20	126	0.02	<10	31	<10	19	72
19	G45399	<0.2	1.26	5	130	<5	1.97	<1	19	75	271	3.93	<10	1.30	388	139	0.07	8	900	18	<5	<20	61	0.10	<10	106	<10	16	38
36	G45417	<0.2	0.68	<5	185	10	0.74	<1	6	72	9	1.60	10	0.49	180	2	0.11	6	750	14	<5	<20	45	0.09	<10	37	<10	5	37
45	G45426	<0.2	1.41	<5	160	<5	1.14	<1	19	57	453	4.13	<10	0.77	351	47	0.32	7	1230	22	<5	<20	101	0.15	<10	86	<10	11	42

Et #. Tag # Ag Al % As Ba Bi Ca % Cd Co Cr Cu Fe % La Mg % Mn Mo Na % Ni P Pb Sb Sn Sr Ti % U V W Y Zn

Resplit:																													
1	G45381	<0.2	1.95	<5	125	<5	0.77	<1	32	60	258	5.79	<10	1.81	845	182	0.11	14	910	28	<5	<20	79	0.27	<10	180	<10	12	110
36	G45417	<0.2	0.74	<5	190	5	0.72	<1	6	77	11	1.64	10	0.46	185	4	0.15	6	750	14	<5	<20	50	0.09	<10	37	<10	4	36
Standard:																													
Pb106		>30	0.52	275	75	<5	1.69	39	4	41	6392	1.60	<10	0.23	555	32	0.01	7	290	5226	60	<20	139	<0.01	<10	13	<10	1	8343
Pb106		>30	0.51	275	75	<5	1.67	37	4	43	6277	1.66	<10	0.21	546	30	0.02	6	280	5236	60	<20	136	<0.01	<10	15	<10	<1	8372

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/bp
df/
XLS/06

CERTIFICATE OF ASSAY AK 2007-0147

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

12-Mar-07

Attention: Ken MacDonald

No. of samples received: 54
Sample Type: Core
Project: CHU
Shipment #: 19

ET #.	Tag #	Mo (%)
5	G45385	0.100
10	G45390	0.063
13	G45393	0.053
18	G45398	0.140
29	G45410	0.063
41	G45422	0.360
49	G45430	0.064
51	G45432	0.051
54	G45435	0.182

QC DATA:

Repeat:

10	G45390	0.064

Standard:

MP2		0.279

JJ/kc
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-146

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 40
Sample Type: Core
Project: CHU
Shipment #: 18
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45338	0.6	0.48	15	90	<5	1.61	<1	12	72	350	3.14	10	0.49	360	317	0.06	10	980	12	<5	<20	108	0.04	<10	32	<10	<1	63
2	G45339	0.8	0.73	30	100	<5	1.31	<1	13	99	507	3.71	<10	0.88	386	1270	0.05	31	570	12	<5	<20	104	0.08	<10	79	<10	<1	66
3	G45341	0.5	1.10	5	330	<5	0.98	<1	13	65	371	3.08	<10	0.60	312	326	0.20	12	1200	18	<5	<20	322	0.10	<10	50	<10	<1	83
4	G45342	0.5	0.96	15	145	<5	1.11	<1	14	113	331	3.61	<10	0.88	369	569	0.08	25	580	16	<5	<20	81	0.10	<10	95	<10	4	101
5	G45343	1.2	1.19	10	270	<5	0.97	<1	14	119	559	3.80	<10	0.95	318	1139	0.12	25	300	22	<5	<20	62	0.14	<10	110	<10	5	76
6	G45344	1.5	0.94	20	195	<5	2.38	<1	10	117	540	2.66	<10	0.77	537	1198	0.06	24	330	22	<5	<20	76	0.07	<10	142	<10	6	72
7	G45345	1.5	1.18	20	295	<5	0.64	<1	18	133	733	4.08	<10	0.83	290	1060	0.14	32	350	22	<5	<20	89	0.12	<10	114	<10	4	85
8	G45346	1.4	1.35	<5	415	<5	1.13	1	16	85	705	4.09	10	0.61	390	263	0.27	13	1440	24	<5	<20	177	0.11	<10	48	<10	<1	164
9	G45347	0.6	1.21	5	360	<5	0.62	<1	14	135	487	3.32	<10	0.76	263	1166	0.20	26	990	18	<5	<20	98	0.12	<10	86	<10	5	91
10	G45348	0.6	1.11	<5	320	<5	1.06	<1	13	120	476	3.43	<10	0.75	456	725	0.13	24	500	16	<5	<20	224	0.11	<10	81	<10	3	80
11	G45349	0.7	1.23	10	350	<5	0.78	<1	15	136	503	3.84	<10	0.87	343	644	0.16	29	510	20	<5	<20	128	0.14	<10	104	<10	6	105
12	G45350	<0.2	0.72	<5	130	<5	1.27	<1	6	19	113	2.49	20	0.48	595	614	0.04	15	830	16	<5	<20	125	0.02	<10	28	<10	17	75
13	G45351	1.1	0.95	10	340	<5	0.76	<1	23	153	726	4.34	<10	0.59	385	1486	0.11	22	310	16	<5	<20	63	0.09	<10	66	<10	1	107
14	G45352	1.8	0.85	15	170	<5	0.95	4	18	101	1131	4.92	<10	0.61	495	223	0.07	20	810	12	<5	<20	71	0.05	<10	69	<10	<1	307
15	G45353	1.9	0.69	55	100	<5	2.52	3	18	86	932	4.76	10	0.92	678	285	0.05	24	1530	16	<5	<20	166	0.03	<10	50	<10	<1	399
16	G45354	2.1	0.69	35	100	<5	1.48	<1	21	69	970	4.34	10	0.50	331	994	0.05	25	1000	12	<5	<20	82	0.03	<10	38	<10	<1	100
17	G45355	1.3	1.11	50	165	<5	1.59	<1	17	117	631	3.99	<10	0.93	426	1066	0.07	35	440	14	<5	<20	72	0.08	<10	84	<10	1	93
18	G45356	<0.2	0.03	<5	5	<5	>10	<1	<1	4	10	0.08	<10	>10	68	<1	<0.01	<1	380	<2	35	<20	112	<0.01	<10	2	<10	<1	9
19	G45357	1.2	0.70	25	135	<5	1.75	<1	17	75	605	3.57	10	0.53	499	130	0.07	13	1230	12	<5	<20	82	0.05	<10	41	<10	<1	122
20	G45358	0.6	1.13	15	360	<5	1.01	<1	15	140	522	3.80	<10	0.84	360	1072	0.11	34	350	14	<5	<20	68	0.11	<10	85	<10	2	87
21	G45359	0.8	0.56	<5	225	<5	0.66	<1	10	119	543	2.92	<10	0.24	247	693	0.08	10	480	6	<5	<20	53	0.03	<10	22	<10	<1	46
22	G45361	1.1	1.02	<5	310	<5	0.66	<1	19	74	752	3.85	10	0.44	254	572	0.17	8	1090	12	<5	<20	98	0.07	<10	31	<10	<1	62
23	G45362	0.8	0.69	5	135	<5	1.22	1	9	64	430	2.78	<10	0.51	381	218	0.05	4	1290	12	<5	<20	102	0.08	<10	36	<10	2	138
24	G45363	1.1	0.79	160	105	<5	4.42	2	13	76	673	3.43	<10	0.57	556	448	0.02	6	960	10	<5	<20	117	0.04	<10	32	<10	<1	99
25	G45364	1.4	0.75	185	120	<5	1.04	<1	26	107	862	4.41	<10	0.41	246	1263	0.05	6	830	16	<5	<20	75	0.03	<10	34	<10	<1	75

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G45365	1.3	0.75	255	205	<5	1.12	7	22	94	672	3.80	<10	0.39	327	678	0.09	6	930	16	<5	<20	96	0.03	<10	35	<10	<1	463
27	G45366	1.3	0.77	585	175	<5	1.47	2	15	67	615	3.67	10	0.49	421	255	0.12	6	1390	12	<5	<20	86	0.08	<10	46	<10	<1	126
28	G45367	2.2	0.83	800	180	<5	0.94	3	19	80	865	4.20	<10	0.50	417	337	0.07	6	1010	14	<5	<20	68	0.04	<10	42	<10	<1	157
29	G45368	1.4	0.72	10	210	<5	0.50	<1	18	90	939	4.60	<10	0.38	297	883	0.08	6	840	10	<5	<20	51	0.04	<10	46	<10	<1	64
30	G45369	2.0	0.93	25	260	<5	1.24	<1	24	79	1064	5.17	10	0.48	477	267	0.11	6	1020	12	<5	<20	86	0.05	<10	67	<10	<1	88
31	G45370	<0.2	0.69	<5	125	<5	1.30	<1	6	19	114	2.56	20	0.49	620	645	0.04	15	840	16	<5	<20	124	0.02	<10	29	<10	17	74
32	G45371	1.6	0.91	240	215	<5	0.89	2	16	89	986	4.56	10	0.46	347	226	0.08	6	950	10	<5	<20	62	0.04	<10	54	<10	<1	116
33	G45372	<0.2	1.04	<5	295	<5	1.87	<1	7	63	43	2.54	<10	0.96	364	4	0.06	8	1760	12	<5	<20	93	0.10	<10	64	<10	2	62
34	G45373	0.8	0.90	<5	290	<5	0.40	<1	18	95	577	4.24	<10	0.43	210	177	0.10	5	970	14	<5	<20	63	0.06	<10	42	<10	<1	60
35	G45374	2.0	0.76	85	115	<5	1.47	<1	17	70	1075	4.96	10	0.47	465	188	0.04	7	1010	10	<5	<20	58	0.04	<10	49	<10	<1	100
36	G45375	1.9	0.76	165	235	<5	0.64	<1	15	99	874	4.57	<10	0.39	275	397	0.09	6	850	14	<5	<20	64	0.04	<10	35	<10	<1	93
37	G45376	<0.2	0.04	5	20	<5	>10	<1	<1	2	9	0.09	<10	>10	74	<1	<0.01	<1	450	<2	35	<20	116	<0.01	<10	2	<10	<1	7
38	G45377	2.7	0.59	40	160	<5	0.80	5	22	92	888	4.77	<10	0.32	339	649	0.07	6	950	16	<5	<20	42	0.05	<10	33	<10	<1	376
39	G45378	2.6	0.71	365	145	<5	1.17	1	20	84	710	4.58	<10	0.47	407	146	0.06	8	960	14	<5	<20	66	0.03	<10	57	<10	<1	100
40	G45379	1.4	0.70	10	190	<5	0.98	<1	17	85	663	4.60	<10	0.40	375	277	0.09	7	1040	14	<5	<20	66	0.06	<10	38	<10	<1	77

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45338	0.6	0.47	10	90	<5	1.63	<1	12	75	363	3.19	10	0.50	363	325	0.05	9	970	14	<5	<20	115	0.04	<10	33	<10	2	64
10	G45348	0.6	1.12	5	300	<5	1.09	<1	14	125	491	3.53	<10	0.82	467	736	0.13	24	500	18	<5	<20	232	0.11	<10	83	<10	4	82
19	G45357	1.2	0.74	30	140	<5	1.85	1	17	76	617	3.68	10	0.56	508	139	0.07	14	1250	14	<5	<20	88	0.06	<10	43	<10	<1	129
36	G45375	1.8	0.71	170	240	<5	0.62	<1	14	93	857	4.38	<10	0.36	265	398	0.08	7	860	12	<5	<20	66	0.04	<10	34	<10	<1	93

Resplit:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45338	0.6	0.51	15	95	<5	1.66	<1	10	76	359	3.17	10	0.52	368	315	0.06	10	990	10	<5	<20	118	0.04	<10	34	<10	<1	60
36	G45375	2.0	0.73	175	230	<5	0.64	1	16	98	868	4.57	<10	0.39	259	388	0.08	7	840	10	<5	<20	61	0.03	<10	31	<10	<1	91

Standard:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
PB106		>30	0.55	270	80	<5	1.69	38	4	42	6361	1.69	<10	0.26	550	32	0.02	7	270	5282	60	<20	144	<0.01	<10	13	10	<1	8336
PB106		>30	0.55	275	75	<5	1.67	41	3	40	6256	1.67	<10	0.25	557	30	0.03	7	280	5230	60	<20	141	<0.01	<10	14	10	<1	8397

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/bp
df/146
XLS/06

CERTIFICATE OF ASSAY AK 2007-146

TTM Resources 13-Mar-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 40
Sample Type: Core
Project: CHU
Shipment #: 18
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
2	G45339	0.131
4	G45342	0.056
5	G45343	0.117
6	G45344	0.124
7	G45345	0.118
9	G45347	0.121
10	G45348	0.076
11	G45349	0.064
12	G45350	0.064
13	G45351	0.156
16	G45354	0.101
17	G45355	0.113
20	G45358	0.115
21	G45359	0.074
22	G45361	0.058
25	G45364	0.131
26	G45365	0.073
29	G45368	0.099
31	G45370	0.064
38	G45377	0.067

QC DATA:

Repeat:

2	G45339	0.136
11	G45349	0.064

Standard:

MP2	0.279
MP2	0.283

ECO TECH LABORATORY LTD.
Jutta Jealouse

JJ/kk

XLS/06 B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0131

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

1-Mar-07

Attention: Ken MacDonald

No. of samples received: 72
Sample Type: Core
Project: CHU
Shipment #: 17
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
1	G45263	0.060
3	G45265	0.082
6	G45268	0.094
8	G45270	0.061
11	G45273	0.103
12	G45274	0.099
13	G45275	0.104
15	G45277	0.094
16	G45278	0.062
23	G45286	0.090
27	G45290	0.061
29	G45292	0.049
34	G45297	0.053
35	G45298	0.053
37	G45301	0.083
38	G45302	0.068
46	G45310	0.062
57	G45322	0.050
59	G45324	0.077
65	G45330	0.061

QC DATA:

Repeat:		
1	G45263	0.059
16	G45278	0.062
Resplit:		
1	G45263	0.058
Standard:		
MP2		0.279
MP2		0.280

JJ/kk
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-0131

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 72
Sample Type: Core
Project: CHU
Shipment #: 17
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45263	0.6	0.96	10	105	<5	0.82	3	16	138	292	3.17	<10	0.95	298	620	0.07	46	530	12	10	<20	26	0.09	<10	138	<10	8	146
2	G45264	0.6	0.49	10	90	<5	1.71	<1	9	90	254	1.67	10	0.40	257	112	0.07	7	1140	8	<5	<20	45	0.05	<10	29	<10	4	38
3	G45265	0.9	0.67	15	80	<5	1.92	1	18	146	364	3.37	<10	0.56	313	800	0.05	41	470	12	5	<20	32	0.06	<10	73	<10	8	58
4	G45266	0.4	0.48	5	90	<5	1.45	<1	13	80	224	2.16	<10	0.36	278	64	0.06	7	910	8	<5	<20	40	0.06	<10	25	<10	2	49
5	G45267	0.6	0.52	<5	85	<5	1.26	<1	12	114	199	2.07	<10	0.41	244	12	0.05	9	850	10	<5	<20	42	0.08	<10	35	<10	4	46
6	G45268	0.5	0.65	10	125	<5	1.03	<1	11	155	288	2.11	<10	0.53	267	969	0.06	15	490	8	<5	<20	47	0.08	<10	67	<10	3	38
7	G45269	0.7	0.69	<5	65	<5	1.38	1	27	185	395	4.01	<10	0.65	287	456	0.05	40	310	8	5	<20	25	0.08	<10	88	<10	4	56
8	G45270	0.2	0.68	<5	115	<5	1.28	<1	7	17	114	2.42	20	0.45	585	633	0.04	16	720	14	<5	<20	113	0.04	<10	30	<10	15	71
9	G45271	0.3	0.67	<5	105	<5	0.90	<1	11	83	127	2.21	<10	0.44	211	110	0.05	5	970	10	<5	<20	41	0.10	<10	32	<10	3	46
10	G45272	0.4	0.59	<5	80	<5	0.97	<1	10	99	103	2.21	<10	0.43	207	59	0.06	5	1030	8	<5	<20	38	0.10	<10	32	<10	3	40
11	G45273	0.4	0.96	<5	125	<5	0.52	1	18	153	301	3.15	<10	0.85	209	1089	0.09	47	390	8	5	<20	21	0.12	<10	129	<10	7	47
12	G45274	0.6	0.94	<5	115	<5	0.50	<1	22	183	408	3.66	<10	0.78	229	1051	0.08	44	410	8	<5	<20	22	0.12	<10	114	<10	6	45
13	G45275	0.8	0.87	<5	100	10	0.89	<1	25	150	484	3.97	<10	0.70	238	1141	0.07	48	350	10	<5	<20	39	0.08	<10	107	<10	6	49
14	G45276	<0.2	0.03	<5	10	<5	>10	<1	<1	4	8	0.07	<10	>10	67	<1	<0.01	<1	350	<2	15	<20	112	0.04	<10	3	<10	<1	6
15	G45277	0.7	0.99	<5	70	<5	1.48	1	23	145	424	3.78	<10	0.93	302	969	0.05	49	370	12	<5	<20	35	0.12	<10	120	<10	7	61
16	G45278	0.9	0.90	<5	95	<5	1.56	<1	20	154	384	3.32	<10	0.81	328	644	0.06	41	330	10	<5	<20	30	0.11	<10	109	<10	8	49
17	G45279	0.9	1.08	<5	90	<5	1.55	<1	26	88	303	3.79	<10	1.02	374	130	0.10	21	1400	12	<5	<20	51	0.11	<10	72	<10	3	46
18	G45281	1.9	0.83	20	60	<5	2.56	2	27	67	709	5.36	<10	0.66	535	176	0.05	26	1180	10	10	<20	56	0.08	<10	58	<10	1	83
19	G45282	0.7	1.12	<5	100	<5	1.26	<1	16	76	246	3.41	<10	0.89	412	39	0.09	14	1550	14	<5	<20	48	0.13	<10	81	<10	5	87
20	G45283	0.7	0.71	5	85	<5	1.90	<1	16	95	312	2.97	<10	0.54	442	96	0.08	13	1060	12	<5	<20	62	0.08	<10	45	<10	5	90
21	G45284	1.0	0.62	30	100	<5	1.57	1	15	86	366	2.95	<10	0.45	477	48	0.09	10	1190	12	<5	<20	62	0.06	<10	34	<10	5	127
22	G45285	0.6	0.45	30	65	<5	1.83	<1	9	95	221	2.20	10	0.27	389	14	0.06	9	910	8	<5	<20	52	0.03	<10	20	<10	3	50
23	G45286	0.9	0.75	30	75	<5	2.01	<1	19	162	351	3.54	<10	0.60	415	939	0.05	35	550	12	<5	<20	34	0.08	<10	83	<10	7	99
24	G45287	1.2	0.59	45	50	<5	2.24	<1	19	88	442	3.61	10	0.82	354	354	0.06	16	1640	6	<5	<20	59	0.06	<10	43	<10	<1	107
25	G45288	1.6	0.63	35	60	<5	2.08	2	23	118	609	3.87	<10	0.59	509	307	0.06	16	1050	10	<5	<20	65	0.04	<10	40	<10	3	163
26	G45289	1.6	0.66	25	60	<5	2.46	7	18	93	580	3.42	<10	0.57	704	301	0.04	19	950	8	<5	<20	65	0.03	<10	45	<10	4	482
27	G45290	0.2	0.68	<5	125	<5	1.31	<1	7	18	117	2.50	10	0.44	596	638	0.04	14	790	16	<5	<20	114	0.05	<10	29	<10	16	78
28	G45291	1.6	0.88	20	60	<5	2.56	1	25	137	752	5.07	<10	0.59	541	143	0.03	25	770	12	<5	<20	52	0.06	<10	74	<10	<1	90
29	G45292	0.6	0.97	55	55	<5	1.64	<1	14	143	223	3.05	<10	0.92	380	495	0.05	39	460	12	<5	<20	31	0.06	<10	104	<10	8	76
30	G45293	1.2	0.53	145	30	<5	2.37	1	23	85	623	4.55	<10	0.30	462	134	0.04	22	1010	10	<5	<20	40	<0.01	<10	16	<10	<1	104

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G45294	1.1	0.42	80	35	<5	2.48	<1	12	68	342	3.05	<10	0.24	616	79	0.06	9	1290	16	<5	<20	36	<0.01	<10	15	<10	1	68
32	G45295	1.3	0.37	70	40	<5	1.56	<1	15	103	566	3.29	<10	0.17	374	354	0.04	10	910	12	<5	<20	33	<0.01	<10	14	<10	<1	74
33	G45296	<0.2	0.02	<5	<5	<5	>10	<1	<1	2	3	0.07	<10	>10	66	1	<0.01	<1	340	<2	35	<20	95	<0.01	<10	4	<10	<1	4
34	G45297	1.9	0.32	65	45	<5	1.86	2	32	85	591	3.63	<10	0.41	436	546	0.03	15	980	12	<5	<20	81	<0.01	<10	13	<10	<1	292
35	G45298	1.0	0.54	45	50	<5	1.85	<1	18	141	439	3.61	<10	0.73	418	558	0.04	42	790	8	<5	<20	118	0.04	<10	54	<10	5	92
36	G45299	0.6	0.39	30	40	<5	1.66	9	13	115	359	3.25	<10	0.48	391	99	0.06	17	1190	8	<5	<20	81	<0.01	<10	19	<10	1	1221
37	G45301	1.1	0.46	65	45	<5	1.51	4	20	103	687	3.93	<10	0.47	310	849	0.03	46	480	10	<5	<20	55	<0.01	<10	36	<10	2	570
38	G45302	1.0	0.28	75	35	<5	2.15	1	22	129	441	3.88	<10	0.44	656	680	0.03	32	700	4	<5	<20	73	<0.01	<10	22	<10	<1	98
39	G45303	0.3	0.60	15	290	<5	1.44	<1	2	77	42	1.14	20	0.20	274	23	0.03	5	310	22	<5	<20	62	<0.01	<10	7	<10	6	27
40	G45304	<0.2	0.59	<5	400	<5	1.52	<1	<1	69	16	0.96	20	0.19	233	6	0.03	3	300	18	<5	<20	81	<0.01	<10	6	<10	6	23
41	G45305	<0.2	0.70	<5	345	<5	1.33	<1	1	117	13	1.02	20	0.18	213	3	0.04	4	300	22	<5	<20	68	<0.01	<10	8	<10	8	24
42	G45306	<0.2	0.57	<5	85	<5	1.42	<1	2	55	9	0.95	20	0.18	245	2	0.03	3	290	18	<5	<20	51	<0.01	<10	6	<10	7	25
43	G45307	<0.2	0.57	<5	45	<5	1.77	<1	3	73	14	0.97	20	0.16	276	4	0.03	4	300	20	5	<20	58	<0.01	<10	6	<10	7	28
44	G45308	<0.2	0.77	<5	75	<5	1.22	<1	3	56	10	1.15	20	0.29	222	10	0.02	2	310	26	<5	<20	58	<0.01	<10	6	<10	7	31
45	G45309	<0.2	0.58	<5	230	<5	1.56	<1	2	76	10	0.98	20	0.18	254	<1	0.03	2	300	20	<5	<20	80	<0.01	<10	6	<10	6	26
46	G45310	0.2	0.65	<5	120	<5	1.32	1	7	18	110	2.50	10	0.43	592	629	0.04	17	820	18	5	<20	108	0.02	<10	29	<10	16	80
47	G45311	<0.2	0.52	<5	45	<5	1.52	<1	2	65	7	0.93	20	0.15	257	4	0.03	2	300	16	<5	<20	52	<0.01	<10	6	<10	5	23
48	G45312	<0.2	0.60	<5	70	<5	1.46	<1	3	76	6	1.00	20	0.17	242	9	0.04	3	300	20	<5	<20	54	<0.01	<10	7	<10	7	22
49	G45313	<0.2	0.66	<5	90	<5	1.18	<1	2	70	10	0.97	20	0.20	200	6	0.02	4	300	24	<5	<20	68	<0.01	<10	6	<10	5	25
50	G45314	0.3	0.76	<5	275	<5	1.44	<1	2	52	23	0.99	20	0.25	264	3	0.02	3	300	26	<5	<20	104	<0.01	<10	7	<10	5	29
51	G45315	<0.2	0.80	5	130	<5	1.31	<1	2	40	6	1.01	20	0.26	309	6	0.02	<1	320	20	<5	<20	80	<0.01	<10	6	<10	4	19
52	G45316	<0.2	0.04	<5	15	<5	>10	<1	<1	3	5	0.07	<10	>10	62	<1	<0.01	<1	350	<2	30	<20	116	<0.01	<10	3	<10	<1	5
53	G45317	0.5	0.78	20	65	<5	1.35	1	13	91	232	3.06	20	0.44	340	486	0.04	9	1010	16	5	<20	59	0.01	<10	23	<10	3	73
54	G45318	0.3	0.64	10	70	<5	1.69	<1	9	68	144	2.37	20	0.37	389	42	0.05	4	1150	12	<5	<20	81	0.03	<10	25	<10	4	62
55	G45319	0.3	0.61	5	55	<5	1.57	<1	12	70	208	2.74	10	0.38	302	146	0.04	5	1200	10	<5	<20	73	0.02	<10	26	<10	2	58
56	G45321	0.9	0.52	35	45	<5	3.07	3	12	118	312	3.66	<10	0.25	830	276	0.06	16	980	10	<5	<20	99	<0.01	<10	14	<10	2	294
57	G45322	1.7	0.65	30	80	<5	2.70	2	39	108	1129	5.03	<10	0.70	726	495	0.05	35	680	10	5	<20	130	0.02	<10	53	<10	4	109
58	G45323	0.2	0.43	25	45	<5	3.44	<1	12	90	115	3.75	10	0.21	532	44	0.06	8	1050	8	<5	<20	92	<0.01	<10	19	<10	<1	55
59	G45324	0.9	0.56	45	45	<5	3.40	<1	28	106	610	5.91	<10	1.08	615	801	0.05	34	2200	8	<5	<20	226	<0.01	<10	42	<10	2	81
60	G45325	0.5	0.45	55	40	<5	3.23	1	26	138	312	6.04	<10	0.77	629	357	0.04	25	900	8	<5	<20	174	0.02	<10	66	<10	<1	92
61	G45326	0.6	0.43	10	60	<5	1.72	<1	12	99	262	2.70	10	0.39	346	56	0.06	7	1120	8	<5	<20	85	0.03	<10	25	<10	3	67
62	G45327	0.9	0.54	10	50	<5	2.82	6	16	110	379	3.78	10	0.44	466	33	0.06	11	1130	10	<5	<20	140	0.05	<10	42	<10	4	519
63	G45328	0.7	0.54	<5	60	<5	1.72	2	16	87	386	3.09	<10	0.43	347	73	0.06	8	1230	10	<5	<20	67	0.07	<10	33	<10	3	157
64	G45329	0.5	0.49	<5	70	<5	1.73	1	18	140	317	3.27	<10	0.34	339	86	0.06	12	1010	10	5	<20	87	0.04	<10	29	<10	2	67
65	G45330	0.2	0.73	5	130	<5	1.41	<1	7	19	122	2.70	20	0.47	638	637	0.04	16	900	20	<5	<20	127	0.03	<10	32	<10	17	88
66	G45331	0.8	0.62	<5	60	10	1.38	2	19	100	315	3.89	<10	0.49	399	81	0.05	11	1140	14	<5	<20	70	0.08	<10	53	<10	2	181
67	G45332	0.5	0.57	10	75	<5	1.43	1	12	98	208	3.22	<10	0.39	385	10	0.07	8	1100	10	<5	<20	66	0.07	<10	48	<10	<1	87
68	G45333	0.3	0.62	5	85	<5	1.50	<1	16	110	141	3.12	10	0.45	331	9	0.09	9	1260	18	<5	<20	72	0.08	<10	43	<10	3	58
69	G45334	0.4	0.63	5	85	<5	1.49	<1	17	111	248	3.31	<10	0.54	375	90	0.07	14	1170	16	<5	<20	71	0.08	<10	50	<10	3	68
70	G45335	0.6	0.69	10	125	<5	1.37	<1	17	143	304	2.99	<10	0.53	355	367	0.10	19	1010	16	<5	<20	67	0.07	<10	61	<10	5	66
71	G45336	<0.2	0.04	<5	<5	<5	>10	<1	<1	3	5	0.07	<10	>10	61	<1	<0.01	<1	490	<2	30	<20	98	0.01	<10	4	<10	<1	7
72	G45337	0.5	0.57	10	110	<5	1.42	<1	20	92	402	3.50	<10	0.47	352	230	0.09	13	1040	10	<5	<20	97	0.07	<10	41	<10	<1	73

QC DATA:

Repeat:

1	G45263	0.7	1.02	10	120	<5	0.83	2	16	140	306	3.17	<10	0.99	302	607	0.08	44	530	12	10	<20	28	0.10	<10	142	<10	11	142
10	G45272	0.4	0.62	<5	85	<5	0.99	<1	10	103	106	2.24	<10	0.44	212	61	0.06	6	1060	8	<5	<20	40	0.10	<10	33	<10	3	40
19	G45282	0.7	1.10	<5	110	<5	1.29	1	16	78	236	3.46	<10	0.87	417	40	0.09	13	1590	16	<5	<20	47	0.13	<10	81	<10	5	92
36	G45299	0.5	0.40	30	50	<5	1.67	9	13	120	354	3.24	<10	0.48	392	98	0.06	19	1210	10	<5	<20	85	<0.01	<10	19	<10	3	1244
45	G45309	<0.2	0.61	<5	235	<5	1.58	<1	2	78	11	1.00	20	0.19	259	1	0.03	3	300	18	<5	<20	84	<0.01	<10	7	<10	7	25
54	G45318	0.4	0.67	10	75	<5	1.72	<1	10	72	146	2.43	20	0.37	394	44	0.05	4	1230	14	<5	<20	82	0.03	<10	25	<10	4	67

Resplit:

1	G45263	0.6	1.00	15	120	<5	0.86	3	18	147	300	3.37	<10	1.03	306	605	0.09	50	550	14	15	<20	28	0.11	<10	151	<10	11	133
36	G45299	0.5	0.41	30	45	<5	1.67	8	13	111	351	3.28	10	0.49	374	101	0.07	19	1190	8	<5	<20	84	0.01	<10	20	<10	3	1206
72	G45337	0.6	0.56	10	115	<5	1.39	<1	20	90	398	3.46	<10	0.45	350	227	0.09	11	1020	16	<5	<20	104	0.07	<10	40	<10	5	72

Standard:

Pb106		>30	0.58	265	75	<5	1.62	33	3	37	6245	1.51	<10	0.29	595	32	0.03	8	280	5232	60	<20	138	<0.01	<10	16	<10	1	8366
Pb106		>30	0.57	265	80	<5	1.66	32	3	33	6287	1.67	<10	0.27	569	32	0.03	8	290	5396	55	<20	135	<0.01	<10	16	<10	1	8370

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

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XLS/07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-0121

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 83
Sample Type: Core
Project: CHU
Shipment #: 15
Submitted by: Allnorth Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45126	0.4	1.32	<5	230	<5	0.39	<1	15	161	380	4.34	<10	0.97	224	1064	0.18	50	480	10	<5	<20	24	0.17	<10	163	<10	14	47
2	G45127	0.2	1.37	<5	230	<5	0.26	<1	15	132	252	4.00	<10	1.06	221	422	0.16	49	440	8	<5	<20	17	0.19	<10	173	<10	16	41
3	G45128	0.2	0.77	<5	145	<5	0.54	<1	9	82	343	2.60	<10	0.49	162	836	0.09	8	690	4	<5	<20	28	0.06	<10	55	<10	5	23
4	G45129	0.6	0.75	<5	135	<5	0.90	<1	7	72	715	2.83	<10	0.38	198	1770	0.09	7	720	4	<5	<20	44	0.05	<10	43	10	2	29
5	G45130	No Sample																											
6	G45131	0.5	0.70	5	170	<5	0.37	<1	9	112	405	2.74	<10	0.28	128	1192	0.09	8	580	4	<5	<20	30	0.05	<10	34	<10	3	23
7	G45132	0.3	0.74	35	130	<5	0.99	<1	9	59	278	1.89	<10	0.41	235	9760	0.09	5	750	12	<5	<20	47	0.06	<10	53	20	<1	21
8	G45133	0.6	0.71	5	145	<5	0.48	<1	9	116	500	2.74	<10	0.33	146	2124	0.10	8	630	6	<5	<20	33	0.06	<10	34	<10	3	20
9	G45134	0.5	0.70	<5	130	<5	0.58	<1	9	97	490	3.09	<10	0.33	124	1009	0.08	8	650	4	<5	<20	31	0.05	<10	37	<10	3	26
10	G45135	<0.2	0.04	<5	10	<5	>10	<1	<1	5	13	0.11	<10	>10	69	4	<0.01	<1	360	<2	35	<20	128	<0.01	<10	4	<10	<1	4
11	G45136	0.4	1.45	<5	165	<5	0.73	<1	18	151	386	4.51	<10	1.25	244	739	0.12	49	490	10	<5	<20	27	0.19	<10	160	<10	21	46
12	G45137	0.6	1.30	<5	160	<5	0.42	<1	19	141	449	4.89	<10	1.05	230	817	0.12	50	500	8	<5	<20	25	0.17	<10	142	<10	16	42
13	G45138	0.4	1.46	<5	215	<5	0.35	<1	16	151	251	4.04	<10	1.15	222	1046	0.13	48	480	8	<5	<20	24	0.20	<10	173	<10	19	44
14	G45139	0.7	1.42	<5	215	<5	0.41	<1	15	163	475	4.70	<10	1.07	246	652	0.13	53	420	8	<5	<20	26	0.16	<10	166	<10	18	52
15	G45141	0.5	1.37	<5	190	<5	0.46	<1	23	168	362	4.65	<10	0.93	244	1487	0.12	52	390	6	<5	<20	28	0.16	<10	144	<10	14	43
16	G45142	0.7	1.42	<5	110	<5	0.43	<1	24	159	457	5.30	<10	1.10	250	1630	0.08	53	410	8	<5	<20	27	0.18	<10	158	<10	15	48
17	G45143	0.3	1.40	<5	190	<5	0.46	<1	17	170	310	4.45	<10	1.04	221	653	0.11	49	430	8	<5	<20	21	0.20	<10	154	<10	19	42
18	G45144	1.4	1.44	<5	155	<5	0.36	<1	20	144	609	4.66	<10	1.09	228	763	0.10	56	460	8	<5	<20	23	0.19	<10	175	<10	19	63
19	G45145	0.2	1.32	<5	145	<5	1.01	<1	15	152	176	3.70	<10	1.13	236	613	0.06	51	440	6	<5	<20	21	0.18	<10	161	<10	16	41
20	G45146	0.3	1.27	5	110	<5	0.70	<1	18	152	454	4.69	<10	1.11	232	2193	0.06	45	450	6	<5	<20	24	0.13	<10	168	<10	13	48
21	G45147	0.6	1.32	10	130	<5	0.81	<1	22	149	341	4.24	<10	1.02	246	564	0.06	51	470	8	<5	<20	42	0.15	<10	134	<10	19	46
22	G45148	0.2	1.39	<5	145	<5	0.54	<1	20	145	220	4.44	<10	1.09	265	648	0.07	53	560	6	<5	<20	24	0.18	<10	179	<10	19	43
23	G45149	0.2	1.48	<5	165	<5	0.62	<1	17	147	209	4.32	<10	1.18	284	961	0.08	51	530	10	<5	<20	27	0.20	<10	178	<10	22	49
24	G45150	<0.2	0.83	<5	140	<5	1.35	<1	7	20	126	3.12	20	0.49	639	648	0.04	14	740	14	<5	<20	123	0.03	<10	35	<10	19	76
25	G45151	0.3	1.49	<5	155	<5	0.45	<1	22	139	289	4.64	<10	1.16	238	1152	0.09	55	470	8	<5	<20	28	0.20	<10	181	<10	17	44

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G45152	0.2	1.54	<5	265	<5	0.54	<1	15	148	183	3.73	<10	1.15	219	891	0.10	47	420	10	<5	<20	36	0.21	<10	183	<10	19	39
27	G45153	0.3	1.39	<5	140	<5	4.62	<1	16	115	217	3.50	<10	1.15	575	667	0.04	44	400	6	<5	<20	123	0.15	<10	155	<10	28	37
28	G45154	0.2	1.42	<5	120	<5	0.58	<1	18	142	261	4.25	<10	1.18	224	845	0.06	50	430	6	<5	<20	42	0.16	<10	164	<10	18	42
29	G45155	0.6	1.03	10	70	<5	0.78	<1	18	125	511	4.27	<10	0.84	209	3852	0.03	35	260	6	<5	<20	62	0.08	<10	107	<10	9	37
30	G45156	<0.2	0.05	<5	30	<5	>10	<1	<1	4	10	0.12	<10	>10	61	1	<0.01	<1	430	<2	35	<20	123	<0.01	<10	4	<10	2	4
31	G45157	0.8	0.57	<5	60	<5	1.09	<1	17	115	558	3.84	<10	0.51	127	2087	0.03	15	450	4	<5	<20	67	<0.01	<10	15	20	<1	21
32	G45158	1.6	1.66	60	65	<5	6.86	<1	39	7	1721	6.22	<10	1.29	960	5618	0.01	31	890	20	<5	<20	430	<0.01	<10	42	<10	7	56
33	G45159	1.0	1.04	60	45	<5	3.63	<1	41	15	1135	6.60	<10	1.40	401	3607	0.01	27	1820	16	<5	<20	426	<0.01	<10	39	<10	15	80
34	G45160	0.7	1.80	60	45	<5	4.98	<1	40	58	856	9.04	<10	1.83	537	3416	0.01	55	640	20	<5	<20	627	<0.01	<10	70	<10	6	109
35	G45162	0.5	1.36	25	70	<5	6.54	<1	26	44	617	7.26	<10	2.01	619	2222	<0.01	51	1260	12	<5	<20	706	<0.01	<10	89	<10	17	123
36	G45163	0.5	1.16	30	65	<5	3.87	<1	19	77	480	5.41	<10	1.30	365	1913	0.01	52	640	14	<5	<20	423	<0.01	<10	75	<10	6	77
37	G45164	0.4	1.25	50	75	<5	2.38	<1	21	61	513	5.59	<10	1.03	194	2256	0.02	68	650	14	<5	<20	458	<0.01	<10	70	<10	5	73
38	G45165	0.3	1.05	<5	105	<5	1.03	<1	19	145	282	3.63	<10	0.94	206	1283	0.05	54	440	8	<5	<20	44	0.14	<10	155	<10	18	38
39	G45166	0.2	1.08	<5	100	<5	0.99	<1	14	169	246	3.62	<10	0.94	263	532	0.04	43	420	6	<5	<20	51	0.11	<10	151	<10	20	40
40	G45167	0.4	0.77	<5	110	<5	1.11	<1	10	97	234	3.04	20	0.50	264	308	0.09	8	1130	6	<5	<20	64	0.09	<10	40	<10	11	41
41	G45168	0.4	1.17	10	85	<5	1.16	<1	17	148	386	4.31	<10	1.12	319	2744	0.04	43	630	8	<5	<20	76	0.10	<10	139	<10	20	67
42	G45169	0.4	1.13	15	75	<5	1.89	<1	15	109	394	4.67	<10	0.90	369	1504	0.01	43	770	6	10	<20	181	0.03	<10	132	<10	12	95
43	G45170	<0.2	0.81	<5	140	<5	1.35	<1	7	18	127	3.09	20	0.48	627	672	0.04	14	760	12	<5	<20	123	0.02	<10	33	<10	19	76
44	G45171	0.3	1.16	10	65	<5	1.79	<1	14	132	259	4.80	<10	0.95	295	1614	0.01	46	430	6	<5	<20	257	0.02	<10	65	<10	10	52
45	G45172	0.5	1.23	<5	130	<5	0.65	<1	23	148	467	4.71	<10	1.11	251	1175	0.08	52	530	6	<5	<20	39	0.16	<10	148	<10	17	53
46	G45173	0.5	0.76	<5	85	<5	1.04	<1	15	94	506	3.79	<10	0.58	225	356	0.08	16	1150	6	<5	<20	59	0.09	<10	46	20	10	37
47	G45174	0.6	1.46	<5	235	<5	0.46	<1	28	190	648	6.04	<10	1.08	260	598	0.15	55	310	10	<5	<20	38	0.15	<10	133	<10	13	73
48	G45175	0.4	1.32	<5	180	<5	0.62	<1	20	185	399	4.63	<10	1.09	248	510	0.14	46	330	8	<5	<20	36	0.15	<10	128	<10	14	64
49	G45176	0.2	0.04	<5	30	10	>10	<1	<1	4	4	0.07	<10	>10	67	2	<0.01	<1	370	<2	35	<20	121	<0.01	<10	3	<10	2	4
50	G45177	0.6	1.27	5	170	<5	0.75	<1	21	224	494	4.85	<10	1.02	245	1322	0.12	55	410	10	<5	<20	33	0.14	<10	139	30	16	68
51	G45178	0.4	1.30	10	125	<5	1.51	<1	19	206	306	4.43	<10	0.99	332	1060	0.09	52	380	6	<5	<20	36	0.17	<10	142	<10	18	50
52	G45179	0.7	1.41	<5	170	<5	0.65	<1	21	152	465	4.94	<10	1.11	338	1435	0.11	54	370	10	<5	<20	27	0.20	<10	169	<10	16	63
53	G45181	0.6	1.36	<5	185	<5	0.58	<1	27	199	457	5.40	<10	1.01	314	1085	0.13	55	350	12	<5	<20	30	0.17	<10	139	<10	16	64
54	G45182	0.9	1.40	<5	190	<5	0.34	1	25	175	790	6.02	<10	1.24	384	1059	0.12	45	350	6	<5	<20	29	0.15	<10	139	<10	11	130
55	G45183	0.9	1.10	<5	260	<5	0.73	<1	20	146	653	4.80	<10	0.64	307	1020	0.16	23	880	6	<5	<20	68	0.11	<10	62	<10	6	60
56	G45184	1.1	0.96	10	235	<5	3.09	<1	14	68	478	3.14	<10	0.53	788	1289	0.11	11	1210	10	<5	<20	87	0.09	<10	77	30	8	50
57	G45185	0.9	1.09	10	305	<5	1.35	<1	18	130	415	3.33	10	0.44	321	433	0.23	7	1160	10	<5	<20	99	0.10	<10	41	20	7	41
58	G45186	1.2	0.88	<5	300	<5	2.02	<1	16	65	593	3.36	<10	0.41	633	846	0.14	8	1060	4	<5	<20	89	0.08	<10	38	10	5	37
59	G45187	1.5	1.05	<5	305	<5	1.96	<1	18	124	772	3.58	10	0.44	453	170	0.18	9	1060	6	<5	<20	99	0.09	<10	44	40	10	36
60	G45188	1.1	1.02	5	300	<5	1.08	4	36	107	729	5.21	<10	0.45	260	1537	0.14	11	900	8	<5	<20	77	0.08	<10	46	60	4	217
61	G45189	2.6	1.04	<5	315	<5	1.00	5	33	106	924	5.16	<10	0.47	425	1051	0.14	21	1150	6	<5	<20	74	0.08	<10	45	<10	4	275
62	G45190	<0.2	0.77	<5	130	<5	1.34	<1	7	18	122	3.06	10	0.45	618	651	0.04	15	780	14	<5	<20	114	0.02	<10	31	<10	18	81
63	G45191	1.0	1.07	20	100	<5	0.95	<1	31	141	491	4.88	<10	0.91	357	1519	0.06	48	490	6	<5	<20	29	0.11	<10	137	<10	13	65
64	G45192	0.9	0.82	60	70	<5	1.46	<1	23	134	496	5.28	<10	0.74	371	1498	0.03	43	350	20	<5	<20	47	0.06	<10	78	<10	5	131
65	G45193	0.4	1.03	10	120	<5	0.75	<1	16	135	412	4.30	<10	0.93	270	2400	0.07	46	430	8	<5	<20	33	0.12	<10	130	10	12	55

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn

66	G45194	0.7	0.76	20	80	<5	1.60	<1	21	208	511	4.92	<10	0.69	289	4078	0.05	46	350	6	<5	<20	59	0.09	<10	88	<10	10	51
67	G45195	0.7	1.02	20	85	<5	0.98	<1	16	158	489	4.40	<10	0.94	297	650	0.07	53	430	6	<5	<20	49	0.13	<10	133	<10	17	62
68	G45196	<0.2	0.04	<5	20	<5	>10	<1	<1	4	6	0.08	<10	>10	79	5	<0.01	<1	440	<2	40	<20	126	<0.01	<10	3	<10	<1	4
69	G45197	1.6	0.80	<5	95	<5	1.25	<1	25	85	1114	4.75	<10	0.49	272	171	0.09	20	930	4	<5	<20	48	0.08	<10	45	50	4	50
70	G45198	0.8	1.32	<5	200	<5	0.44	<1	18	155	511	4.77	<10	1.13	287	750	0.13	50	490	12	<5	<20	30	0.16	<10	163	<10	18	65
71	G45199	0.6	1.35	<5	140	<5	0.51	<1	21	202	486	5.13	<10	1.19	321	603	0.10	53	600	6	<5	<20	26	0.16	<10	159	<10	18	76
72	G45201	0.5	1.27	<5	230	<5	0.46	<1	16	166	395	4.13	<10	0.90	208	855	0.17	45	400	8	<5	<20	34	0.17	<10	130	<10	16	39
73	G45202	0.6	0.84	<5	215	<5	1.05	<1	14	93	361	3.12	<10	0.43	291	148	0.14	11	970	8	<5	<20	67	0.09	<10	40	40	9	34
74	G45203	0.6	1.19	<5	175	<5	0.73	<1	20	157	376	4.37	<10	0.97	331	804	0.10	43	470	10	<5	<20	34	0.16	<10	142	<10	16	67
75	G45204	0.6	1.15	5	120	<5	0.72	<1	21	154	416	4.59	<10	1.00	311	555	0.08	42	400	8	<5	<20	28	0.16	<10	147	<10	15	75
76	G45205	0.3	1.13	<5	135	<5	0.65	<1	23	208	331	4.47	<10	0.93	231	835	0.11	46	520	4	<5	<20	24	0.16	<10	131	<10	14	47
77	G45206	0.3	1.17	10	115	<5	1.00	<1	16	160	298	4.35	<10	0.97	300	404	0.12	42	540	6	<5	<20	46	0.16	<10	141	<10	19	55
78	G45207	0.4	0.86	<5	175	<5	1.20	<1	13	108	277	3.14	10	0.51	248	143	0.17	7	1270	6	<5	<20	81	0.13	<10	42	<10	10	40
79	G45208	0.4	1.29	<5	220	<5	0.60	<1	19	147	342	4.18	<10	0.99	222	693	0.16	47	480	6	<5	<20	35	0.18	<10	152	<10	16	41
80	G45209	0.4	1.16	<5	165	<5	0.51	<1	27	172	367	4.59	<10	0.93	244	946	0.10	49	450	10	<5	<20	27	0.17	<10	159	<10	17	51
81	G45210	<0.2	0.74	<5	125	<5	1.32	<1	7	18	117	3.01	10	0.45	644	627	0.04	15	770	14	<5	<20	113	0.02	<10	31	<10	18	78
82	G45211	0.7	0.79	<5	120	<5	1.01	1	39	100	669	5.58	<10	0.51	249	710	0.06	34	860	6	<5	<20	44	0.07	<10	59	10	6	45
83	G45212	0.4	0.88	115	60	<5	2.10	<1	18	164	412	4.82	<10	0.82	375	645	>10	45	680	4	<5	<20	146	0.04	<10	70	<10	10	69
QC DATA:																													
Repeat:																													
1	G45126	0.4	1.41	<5	215	<5	0.41	<1	15	165	396	4.31	<10	1.04	228	1125	0.18	50	460	7	<5	<20	21	0.19	<10	170	<10	15	45
10	G45135	<0.2	0.04	<5	15	<5	>10	<1	<1	4	12	0.12	<10	>10	68	4	<0.01	<1	350	<2	35	<20	117	<0.01	<10	5	<10	<1	5
19	G45145	0.6	1.37	<5	150	<5	0.90	<1	16	159	181	3.78	<10	1.02	246	628	0.07	53	450	8	<5	<20	25	0.19	<10	164	<10	20	43
36	G45163	0.5	1.18	25	65	<5	3.89	<1	19	79	505	5.45	<10	1.38	369	1970	0.02	51	690	10	<5	<20	442	<0.01	<10	78	<10	6	73
45	G45172	0.5	1.19	<5	120	<5	0.63	<1	23	146	428	4.67	<10	1.03	244	1127	0.07	53	550	10	<5	<20	37	0.15	<10	142	<10	17	55
54	G45182	1.3	1.40	<5	185	<5	0.36	1	26	178	793	6.20	<10	1.24	388	1014	0.12	47	370	8	<5	<20	30	0.15	<10	140	<10	12	133
71	G45199	0.6	1.31	<5	150	<5	0.51	<1	21	200	467	5.04	<10	1.15	314	589	0.10	52	610	12	<5	<20	30	0.16	<10	155	<10	20	75
Resplit:																													
1	G45126	0.4	1.43	<5	220	<5	0.46	<1	17	157	381	4.43	<10	1.08	240	1093	0.17	54	480	6	<5	<20	23	0.20	<10	178	<10	15	50
36	G45163	0.4	1.10	20	70	<5	3.91	<1	18	70	486	5.40	<10	1.34	384	1927	0.01	48	710	12	<5	<20	435	<0.01	<10	73	<10	7	84
71	G45199	0.6	1.22	<5	135	<5	0.54	<1	22	180	456	4.91	<10	1.05	302	566	0.10	53	570	8	<5	<20	29	0.16	<10	154	<10	20	69
Standard:																													
Pb116		>30	0.58	270	75	<5	1.68	33	4	40	6237	1.62	<10	0.06	542	31	0.01	43	280	5396	55	<20	140	<0.01	<10	13	10	<1	8386
Pb116		>30	0.58	270	75	<5	1.69	34	4	40	6298	1.64	<10	0.06	548	32	0.01	40	270	5378	55	<20	140	<0.01	<10	13	10	<1	8365
Pb116		>30	0.58	270	80	<5	1.66	37	4	43	6260	1.77	<10	0.07	538	36	0.02	37	280	5292	55	<20	141	<0.01	<10	13	<10	<1	8411

JJ/dc
df/0121
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-121

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

28-Feb-07

Attention: Ken MacDonald

No. of samples received: 83
Sample Type: Core
Project: CHU
Shipment #: 15
Submitted by: Allnorth Consultants

ET #.	Tag #	Mo (%)
1	G45126	0.108
2	G45127	0.043
3	G45128	0.082
4	G45129	0.168
6	G45131	0.121
7	G45132	0.991
8	G45133	0.214
9	G45134	0.100
11	G45136	0.073
12	G45137	0.082
13	G45138	0.108
14	G45139	0.065
15	G45141	0.152
16	G45142	0.165
17	G45143	0.065
18	G45144	0.072
19	G45145	0.060
20	G45146	0.219
21	G45147	0.052
22	G45148	0.063
23	G45149	0.096
24	G45150	0.062
25	G45151	0.116

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0121 28-Feb-07

ET #.	Tag #	Mo (%)
26	G45152	0.086
27	G45153	0.065
28	G45154	0.083
29	G45155	0.389
31	G45157	0.197
32	G45158	0.577
33	G45159	0.360
34	G45160	0.336
35	G45162	0.221
36	G45163	0.186
37	G45164	0.218
38	G45165	0.124
39	G45166	0.054
41	G45168	0.275
42	G45169	0.146
43	G45170	0.063
44	G45171	0.151
45	G45172	0.111
47	G45174	0.057
50	G45177	0.128
51	G45178	0.101
52	G45179	0.140
53	G45181	0.105
54	G45182	0.114
55	G45183	0.100
56	G45184	0.128
58	G45186	0.086
60	G45188	0.158
61	G45189	0.107
62	G45190	0.064
63	G45191	0.158
64	G45192	0.152
65	G45193	0.245
66	G45194	0.417
67	G45195	0.066
70	G45198	0.077
71	G45199	0.060
72	G45201	0.087
74	G45203	0.080
75	G45204	0.056

76	G45205	0.083
79	G45208	0.069
80	G45209	0.097
81	G45210	0.064
82	G45211	0.074
83	G45212	0.064

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0121

28-Feb-07

ET #.	Tag #	Mo (%)

QC DATA:

Repeat:

1	G45126	0.111
19	G45145	0.060

Resplit:

1	G45126	0.105
36	G45163	0.179
71	G45199	0.054

Standard:

MP2	0.274
MP2	0.282
MP2	0.281
MP2	0.284
MP2	0.277

JJ/dc
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-117

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 47
Sample Type: Core
Project: CHU
Shipment #: 16
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45213	0.3	1.02	40	100	<5	1.08	<1	21	153	431	3.92	<10	1.02	255	969	0.05	53	590	10	<5	<20	61	0.14	<10	133	<10	17	54
2	G45214	0.4	1.09	10	115	<5	0.87	<1	23	173	469	3.91	<10	1.03	258	456	0.04	51	490	8	<5	<20	38	0.14	<10	146	<10	16	106
3	G45215	1.5	0.97	10	95	<5	0.88	<1	17	149	373	3.22	<10	0.90	225	786	0.05	46	540	8	<5	<20	40	0.12	<10	117	<10	14	47
4	G45216	<0.2	0.04	<5	10	<5	>10	<1	<1	5	12	0.08	<10	>10	65	4	<0.01	<1	480	<2	40	<20	135	<0.01	<10	3	<10	<1	7
5	G45217	1.2	1.07	15	115	<5	1.96	<1	21	155	652	4.15	<10	1.09	938	688	0.05	51	620	10	<5	<20	62	0.11	<10	143	<10	17	55
6	G45218	1.7	0.41	75	70	<5	3.19	<1	20	70	644	3.51	10	0.48	1158	352	0.03	24	1290	8	<5	<20	119	0.01	<10	26	<10	7	72
7	G45219	1.3	0.89	25	105	<5	0.96	<1	17	140	378	3.45	<10	0.83	293	2584	0.04	42	500	10	<5	<20	32	0.12	<10	118	<10	11	50
8	G45221	1.1	0.90	20	85	<5	0.91	<1	19	132	434	3.87	<10	0.90	277	790	0.03	49	580	8	<5	<20	36	0.10	10	120	<10	12	69
9	G45222	1.1	0.36	160	45	<5	5.66	1	20	87	596	3.93	<10	0.26	715	1382	0.01	37	220	50	<5	<20	104	<0.01	<10	18	<10	<1	241
10	G45223	1.2	1.20	10	120	<5	0.80	1	33	138	738	5.15	<10	1.15	343	2637	0.05	46	570	8	<5	<20	28	0.12	<10	129	<10	8	113
11	G45224	0.9	0.80	<5	130	<5	0.80	<1	26	146	561	3.67	<10	0.62	236	821	0.05	40	350	6	<5	<20	27	0.10	<10	98	<10	8	46
12	G45225	1.2	1.00	10	175	<5	1.02	<1	20	149	679	3.37	<10	0.90	298	1534	0.07	37	520	8	<5	<20	29	0.12	<10	130	<10	14	49
13	G45226	2.3	0.72	<5	165	<5	0.60	2	39	116	1088	6.94	<10	0.55	309	1659	0.04	45	460	<2	<5	<20	20	0.07	10	77	20	<1	95
14	G45227	1.0	0.79	<5	230	<5	1.13	<1	26	100	742	3.97	<10	0.41	308	273	0.10	15	970	4	<5	<20	63	0.08	<10	40	<10	3	48
15	G45228	0.6	0.73	<5	225	<5	0.90	<1	16	76	473	2.74	10	0.40	251	202	0.14	9	1230	6	<5	<20	73	0.08	<10	31	<10	6	45
16	G45229	1.0	0.90	<5	270	<5	0.92	<1	23	79	662	3.56	10	0.45	281	562	0.14	10	1310	6	<5	<20	80	0.09	<10	46	<10	5	55
17	G45230	0.2	0.80	<5	140	<5	1.36	<1	7	19	133	2.69	20	0.51	647	625	0.04	16	940	12	<5	<20	137	0.02	<10	33	<10	19	77
18	G45231	1.6	0.75	<5	235	<5	0.80	<1	19	84	523	3.12	10	0.39	252	526	0.12	7	1160	6	<5	<20	74	0.09	<10	34	<10	5	46
19	G45232	1.1	0.79	<5	260	<5	0.88	<1	27	87	656	4.12	<10	0.40	296	612	0.10	9	1060	6	<5	<20	68	0.09	<10	42	<10	3	64
20	G45233	1.5	0.68	<5	180	<5	0.78	<1	30	94	1124	4.37	<10	0.30	291	337	0.07	10	870	4	<5	<20	52	0.06	<10	33	<10	<1	56
21	G45234	0.8	0.75	<5	210	<5	0.79	<1	20	77	621	3.21	10	0.34	234	379	0.09	8	1140	6	<5	<20	60	0.07	<10	34	<10	3	45
22	G45235	0.3	0.59	<5	200	<5	1.22	<1	11	74	312	2.08	10	0.28	339	171	0.08	7	1400	6	<5	<20	59	0.08	<10	31	<10	7	36
23	G45236	<0.2	0.04	5	15	<5	>10	<1	<1	4	14	0.07	<10	>10	71	1	<0.01	<1	550	<2	35	<20	131	<0.01	<10	2	<10	<1	8
24	G45237	0.5	0.57	<5	160	<5	1.55	<1	13	80	297	2.58	<10	0.35	434	294	0.07	10	1020	4	<5	<20	46	0.08	<10	37	<10	5	42
25	G45238	0.7	0.65	<5	175	<5	1.66	<1	20	78	482	3.27	<10	0.37	486	170	0.08	7	1160	4	<5	<20	60	0.08	<10	32	<10	4	64

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007-117** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G45239	0.9	0.70	<5	225	<5	0.80	<1	31	80	677	4.02	<10	0.33	238	560	0.10	9	960	6	<5	<20	68	0.08	<10	28	<10	2	65
27	G45241	0.3	0.59	<5	160	<5	2.12	<1	12	84	250	2.53	<10	0.25	630	338	0.04	10	1080	4	<5	<20	38	0.06	<10	37	<10	5	53
28	G45242	0.6	0.90	<5	255	<5	0.56	<1	31	121	591	4.04	<10	0.68	243	1294	0.09	32	690	10	<5	<20	42	0.12	<10	97	<10	13	51
29	G45243	0.4	0.79	5	190	<5	1.17	<1	19	123	440	3.16	<10	0.69	444	1545	0.07	37	560	12	<5	<20	29	0.12	<10	119	<10	15	65
30	G45244	<0.2	0.55	<5	190	<5	1.33	<1	8	85	165	1.63	<10	0.37	408	478	0.06	13	1220	8	<5	<20	42	0.08	<10	49	20	10	38
31	G45245	0.4	0.71	<5	215	<5	0.64	<1	17	67	328	2.70	<10	0.39	201	98	0.11	15	1120	8	<5	<20	52	0.10	<10	40	<10	7	37
32	G45246	0.5	0.90	<5	255	<5	0.57	<1	29	116	502	4.14	<10	0.64	260	1247	0.10	25	630	10	<5	<20	41	0.13	<10	79	<10	9	65
33	G45247	0.9	1.06	<5	225	<5	0.39	<1	39	139	827	5.74	<10	0.87	307	1487	0.08	38	510	10	<5	<20	27	0.16	30	111	<10	8	94
34	G45248	0.7	1.02	<5	235	<5	0.53	<1	30	140	730	4.74	<10	0.78	285	760	0.09	33	600	8	<5	<20	36	0.15	<10	100	<10	9	86
35	G45249	0.3	0.62	<5	215	<5	0.71	<1	11	65	332	2.01	<10	0.33	185	35	0.11	7	1230	4	<5	<20	54	0.07	<10	25	20	4	33
36	G45250	0.3	0.77	<5	135	<5	1.35	<1	7	18	130	2.64	20	0.50	638	637	0.04	15	960	14	<5	<20	134	0.02	<10	32	<10	19	73
37	G45251	0.5	0.70	<5	225	<5	0.75	<1	11	65	301	2.14	10	0.37	212	7	0.14	5	1250	6	<5	<20	72	0.09	<10	27	<10	7	41
38	G45252	0.6	0.62	<5	210	<5	0.98	<1	10	63	341	1.95	<10	0.33	230	5	0.11	9	1180	6	<5	<20	58	0.07	<10	27	<10	4	36
39	G45253	0.4	0.69	<5	195	<5	0.87	<1	10	71	312	1.93	10	0.44	220	19	0.11	9	1370	6	<5	<20	64	0.08	<10	33	<10	6	35
40	G45254	0.3	0.64	<5	225	<5	0.85	<1	8	61	248	1.67	10	0.36	224	9	0.12	4	1250	10	<5	<20	62	0.08	<10	26	20	6	36
41	G45255	0.5	0.59	<5	180	<5	1.62	<1	9	68	301	1.82	10	0.40	270	53	0.10	8	1330	6	<5	<20	64	0.08	10	29	<10	7	31
42	G45256	<0.2	0.04	<5	20	<5	>10	<1	<1	6	20	0.08	<10	>10	67	<1	<0.01	<1	480	<2	35	<20	137	<0.01	<10	3	<10	<1	10
43	G45257	0.9	1.32	5	230	<5	0.77	<1	22	129	474	3.90	<10	1.30	373	2347	0.12	39	790	10	<5	<20	53	0.19	<10	161	<10	20	70
44	G45258	0.5	0.98	<5	155	<5	0.75	<1	23	134	382	3.83	<10	0.89	242	602	0.07	44	510	8	<5	<20	23	0.17	<10	129	<10	16	46
45	G45259	0.4	0.59	<5	145	<5	1.16	<1	13	77	279	2.63	10	0.40	224	63	0.08	7	1390	4	<5	<20	51	0.10	<10	34	<10	6	34
46	G45261	0.5	1.05	<5	175	<5	0.66	<1	23	144	421	3.77	<10	0.93	269	1115	0.09	50	530	6	<5	<20	32	0.17	<10	146	<10	14	52
47	G45262	0.7	0.97	5	145	<5	1.04	<1	23	122	457	3.88	<10	0.96	306	604	0.08	35	930	6	<5	<20	45	0.13	<10	103	30	10	53

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45213	0.3	1.01	40	95	<5	1.07	<1	19	144	424	3.88	<10	1.01	253	957	0.05	52	590	8	<5	<20	58	0.13	<10	129	<10	13	53
10	G45223	1.3	1.15	10	105	<5	0.78	1	33	131	720	5.10	<10	1.12	337	2531	0.05	46	570	10	<5	<20	25	0.11	<10	126	<10	8	113
19	G45232	1.2	0.77	<5	245	<5	0.86	<1	27	85	664	4.14	<10	0.40	293	620	0.10	8	1080	4	<5	<20	65	0.09	<10	41	<10	2	63
36	G45250	0.3	0.80	<5	135	<5	1.35	<1	7	18	128	2.66	20	0.50	637	640	0.04	15	960	12	<5	<20	133	0.02	<10	33	<10	19	74

Resplit:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45213	0.3	0.89	40	95	<5	1.41	<1	21	141	384	3.70	<10	0.90	272	967	0.04	47	570	8	<5	<20	62	0.11	<10	109	<10	12	54
37	G45251	0.4	0.73	<5	230	<5	0.77	<1	12	62	368	2.19	10	0.39	212	7	0.14	5	1270	4	<5	<20	77	0.09	<10	28	10	6	38

Standard:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
PB106		>30	0.52	270	85	<5	1.63	36	4	45	6216	1.58	<10	0.18	547	32	0.03	7	280	5342	60	<20	141	<0.01	<10	13	10	1	8344
PB106		>30	0.51	275	80	<5	1.60	40	3	39	6205	1.65	<10	0.17	565	33	0.02	8	270	5265	55	<20	140	<0.01	<10	14	<10	1	8450

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/dc
df/115
XLS/06

CERTIFICATE OF ASSAY AK 2007-0117

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

27-Feb-07

Attention: Ken MacDonald

No. of samples received: 47
Sample Type: Core
Project: CHU
Shipment #: 16
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
1	G45213	0.096
3	G45215	0.079
5	G45217	0.068
7	G45219	0.260
8	G45221	0.077
9	G45222	0.137
10	G45223	0.268
11	G45224	0.078
12	G45225	0.150
13	G45226	0.167
16	G45229	0.058
17	G45230	0.062
18	G45231	0.051
19	G45232	0.062
26	G45239	0.058
28	G45242	0.143
29	G45243	0.155
32	G45246	0.135
33	G45247	0.168
34	G45248	0.078
36	G45250	0.063
43	G45257	0.235
44	G45258	0.059
46	G45261	0.111
47	G45262	0.059

QC DATA:

Repeat:

1	G45213	0.098
7	G45219	0.277

Resplit:

1	G45213	0.096

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0117 27-Feb-07

ET #.	Tag #	Mo (%)
Standard:		
MP2		0.279
MP2		0.285
MP2		0.282
MP2		0.281
MP2		0.281

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kk
XLS/06

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007-109

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 84
Sample Type: Core
Project: CHU
Shipment #: 14
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	45037	0.5	1.10	<5	80	<5	0.30	<1	14	146	305	4.57	<10	1.03	183	571	0.10	55	410	20	<5	<20	54	0.14	<10	153	<10	10	63
2	45038	0.4	1.05	<5	90	<5	0.36	<1	14	119	359	3.78	<10	1.05	177	299	0.11	37	700	130	<5	<20	30	0.13	<10	141	<10	19	111
3	45039	<0.2	1.03	<5	85	<5	0.18	<1	11	104	180	3.12	<10	1.04	137	559	0.11	35	320	14	<5	<20	17	0.13	<10	160	<10	9	36
4	45041	0.2	1.22	10	65	<5	0.51	<1	15	126	255	4.01	<10	1.12	147	1139	0.06	45	340	6	<5	<20	21	0.12	<10	152	<10	8	31
5	45042	0.2	0.80	10	70	<5	1.69	<1	11	92	185	2.89	<10	0.74	190	2698	0.06	32	340	12	<5	<20	39	0.09	<10	93	<10	10	32
6	45043	<0.2	1.12	<5	80	<5	0.33	<1	13	143	172	3.28	<10	1.09	173	575	0.07	40	430	8	<5	<20	19	0.16	<10	159	<10	15	36
7	45044	<0.2	1.25	5	75	<5	0.78	<1	13	123	196	3.19	<10	1.18	277	922	0.05	46	490	8	<5	<20	22	0.17	<10	142	<10	16	54
8	45045	<0.2	0.04	<5	15	<5	>10	<1	<1	4	13	0.08	<10	>10	62	8	<0.01	<1	410	<2	35	<20	125	<0.01	<10	3	<10	1	8
9	45046	0.2	1.46	45	75	<5	1.64	<1	12	90	219	3.18	<10	1.20	242	2214	0.04	44	380	8	<5	<20	67	0.12	<10	127	<10	11	47
10	45047	0.2	1.44	60	75	<5	1.08	<1	10	135	235	3.24	<10	1.09	207	1054	0.04	35	320	8	<5	<20	57	0.11	<10	136	<10	9	43
11	45048	0.3	1.22	<5	60	<5	0.50	1	14	115	345	4.21	<10	1.20	231	483	0.08	49	450	2	<5	<20	49	0.13	<10	170	<10	10	52
12	45049	0.2	1.37	5	75	<5	0.79	<1	15	143	353	4.15	<10	1.30	251	344	0.06	57	440	6	<5	<20	53	0.15	<10	173	<10	13	54
13	45050	<0.2	0.81	<5	140	<5	1.35	<1	7	19	136	2.78	20	0.51	643	635	0.06	15	850	8	<5	<20	137	0.02	<10	34	<10	18	71
14	45051	0.5	1.36	<5	85	<5	0.66	<1	14	117	435	3.86	<10	1.35	285	369	0.07	56	430	4	<5	<20	34	0.15	<10	176	<10	14	51
15	45052	0.2	1.39	10	90	<5	0.44	<1	12	140	188	3.37	<10	1.29	201	659	0.07	46	380	4	<5	<20	190	0.16	<10	179	<10	11	40
16	45053	0.2	1.07	15	80	<5	1.20	<1	5	39	161	1.81	<10	0.45	114	57	0.05	2	760	10	<5	<20	180	0.03	<10	27	<10	6	29
17	45054	0.2	1.10	10	85	<5	0.97	<1	6	65	236	2.15	<10	0.53	147	32	0.07	2	810	10	<5	<20	138	0.06	<10	39	<10	10	41
18	45055	<0.2	0.06	<5	5	<5	>10	<1	<1	5	15	0.09	<10	>10	74	<1	<0.01	<1	480	<2	40	<20	154	<0.01	<10	3	<10	<1	9
19	45056	0.2	1.33	35	75	<5	1.93	<1	8	86	324	2.71	<10	0.80	202	685	0.07	21	660	4	<5	<20	130	0.05	<10	83	<10	9	36
20	45057	<0.2	2.02	265	80	<5	4.44	<1	14	84	217	3.69	<10	1.07	197	198	0.06	40	290	10	<5	<20	104	0.07	<10	129	<10	5	35
21	45058	0.2	1.43	20	75	<5	2.43	<1	15	112	383	3.61	<10	1.09	233	591	0.07	33	790	6	<5	<20	99	0.12	<10	119	<10	13	49
22	45059	0.2	0.58	<5	70	<5	1.08	<1	5	69	202	1.83	10	0.33	131	110	0.07	5	920	6	<5	<20	95	0.03	<10	27	<10	7	34
23	45061	0.2	0.64	<5	65	<5	0.88	<1	4	56	251	1.68	10	0.32	125	32	0.07	3	780	2	<5	<20	163	0.02	<10	23	<10	5	31
24	45062	<0.2	0.67	<5	80	<5	0.86	<1	4	76	202	1.70	10	0.31	111	19	0.08	2	660	6	<5	<20	195	0.02	<10	24	<10	5	22
25	45063	0.2	0.68	<5	120	<5	0.45	<1	3	57	223	1.73	10	0.34	111	17	0.25	2	800	4	<5	<20	73	0.03	<10	28	<10	6	25

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	45064	<0.2	0.50	<5	70	<5	0.57	<1	6	83	193	2.21	<10	0.31	85	142	0.09	2	740	6	<5	<20	58	0.01	<10	18	<10	4	19
27	45065	<0.2	0.03	5	15	<5	>10	<1	<1	3	11	0.08	<10	>10	66	<1	<0.01	<1	470	<2	40	<20	130	<0.01	<10	3	<10	2	7
28	45066	0.2	0.41	<5	50	<5	0.83	<1	5	83	239	2.41	10	0.26	82	411	0.07	2	640	2	<5	<20	49	0.01	<10	17	<10	2	16
29	45067	0.2	0.51	<5	70	<5	0.41	<1	6	90	291	2.22	<10	0.32	85	113	0.11	2	660	2	<5	<20	53	0.02	<10	19	<10	4	16
30	45068	<0.2	0.45	<5	70	<5	0.56	<1	4	46	127	1.88	<10	0.31	95	99	0.10	2	810	4	<5	<20	53	0.02	<10	20	<10	6	15
31	45069	<0.2	0.44	<5	80	<5	0.39	<1	3	69	198	1.36	<10	0.23	74	158	0.11	2	570	6	<5	<20	108	0.02	<10	17	<10	5	18
32	45070	<0.2	0.75	<5	135	<5	1.34	<1	7	18	124	2.75	20	0.47	636	636	0.06	14	870	12	<5	<20	128	0.02	<10	32	<10	18	76
33	45071	<0.2	0.54	<5	110	<5	0.39	<1	5	55	227	1.95	<10	0.30	86	174	0.19	3	700	6	<5	<20	42	0.02	<10	22	<10	6	25
34	45072	<0.2	0.84	<5	75	<5	1.01	<1	7	54	166	2.09	<10	0.56	136	132	0.06	4	1030	6	<5	<20	114	0.05	<10	38	<10	7	23
35	45073	<0.2	0.82	<5	120	<5	1.66	<1	8	49	61	1.89	<10	0.55	206	<1	0.07	5	1010	8	<5	<20	94	0.08	<10	44	<10	7	29
36	45074	<0.2	0.79	<5	125	<5	1.32	<1	10	60	44	2.49	<10	0.62	313	<1	0.07	6	1300	9	<5	<20	56	0.12	<10	56	<10	10	44
37	45075	<0.2	0.89	<5	160	<5	1.46	<1	10	49	41	2.44	<10	0.74	308	<1	0.06	6	1300	8	<5	<20	49	0.12	<10	61	<10	8	40
38	45076	<0.2	0.68	<5	100	<5	1.46	<1	8	52	36	2.08	<10	0.54	236	5	0.06	5	1110	8	<5	<20	46	0.09	<10	44	<10	7	32
39	45077	<0.2	0.84	<5	110	<5	1.35	<1	10	58	126	2.36	<10	0.74	271	<1	0.06	7	1330	8	<5	<20	53	0.11	<10	55	<10	8	36
40	45078	<0.2	0.69	<5	100	<5	0.87	<1	9	55	91	1.89	<10	0.58	208	<1	0.05	8	1030	8	<5	<20	40	0.12	<10	44	<10	8	36
41	45079	<0.2	0.64	<5	150	<5	0.59	<1	8	73	89	1.91	<10	0.52	196	<1	0.08	6	940	6	<5	<20	35	0.14	<10	49	<10	8	34
42	45081	<0.2	0.62	<5	140	<5	0.55	<1	7	52	40	1.86	<10	0.51	196	<1	0.08	6	930	6	<5	<20	40	0.12	<10	50	<10	7	30
43	45082	<0.2	0.64	<5	140	<5	0.65	<1	9	68	49	2.00	<10	0.52	204	<1	0.09	6	1100	8	<5	<20	42	0.12	<10	53	<10	9	29
44	45083	<0.2	0.69	<5	125	<5	0.77	<1	9	46	64	2.10	<10	0.55	197	<1	0.12	8	1300	8	<5	<20	79	0.13	<10	53	<10	8	28
45	45084	<0.2	0.71	<5	105	<5	1.24	<1	10	61	148	2.22	<10	0.57	199	221	0.07	6	1180	6	<5	<20	134	0.11	<10	50	<10	8	29
46	45085	<0.2	0.04	<5	<5	<5	>10	<1	<1	2	9	0.08	<10	>10	72	<1	<0.01	<1	390	<2	40	<20	131	<0.01	<10	3	<10	<1	7
47	45086	0.4	0.45	<5	60	<5	0.87	<1	7	63	531	2.62	<10	0.34	96	125	0.09	4	760	4	<5	<20	63	0.04	<10	34	<10	2	23
48	45087	0.2	0.47	<5	70	<5	0.72	<1	5	76	288	1.48	10	0.31	90	66	0.10	2	710	6	<5	<20	87	0.05	<10	22	<10	6	21
49	45088	<0.2	0.86	<5	145	<5	1.10	<1	11	53	115	2.67	<10	0.67	227	1	0.09	9	1130	6	<5	<20	180	0.14	<10	60	<10	7	34
50	45089	<0.2	1.33	<5	205	<5	1.61	<1	13	74	79	3.04	<10	1.09	307	4	0.12	15	1500	6	<5	<20	268	0.19	<10	85	<10	11	40
51	45090	<0.2	0.75	<5	125	<5	1.34	<1	7	18	127	2.74	20	0.48	636	653	0.06	14	860	12	<5	<20	131	0.02	<10	32	<10	18	75
52	45091	0.3	1.05	<5	75	<5	0.19	<1	19	121	448	3.95	<10	0.86	210	410	0.08	42	400	6	<5	<20	8	0.14	<10	120	<10	13	49
53	45092	0.7	1.37	65	50	<5	0.56	<1	32	133	645	6.18	<10	1.22	244	274	0.05	76	1020	10	<5	<20	10	0.11	<10	167	<10	12	74
54	45093	0.3	0.86	10	55	<5	0.93	<1	15	50	308	3.02	<10	0.70	196	205	0.06	26	1390	6	<5	<20	21	0.07	<10	53	<10	9	47
55	45094	0.2	1.40	5	125	<5	0.42	<1	16	143	214	3.68	<10	1.27	216	265	0.07	54	640	8	<5	<20	11	0.21	<10	202	<10	19	44
56	45095	<0.2	0.05	5	5	<5	>10	<1	<1	4	14	0.08	<10	>10	63	<1	<0.01	<1	420	<2	35	<20	133	<0.01	<10	4	<10	<1	8
57	45096	<0.2	1.47	<5	135	<5	0.59	<1	15	143	218	3.64	<10	1.35	209	406	0.06	51	590	8	<5	<20	22	0.20	<10	200	<10	19	52
58	45097	<0.2	1.40	<5	135	<5	0.37	<1	14	138	166	3.56	<10	1.24	209	358	0.07	48	560	8	<5	<20	9	0.21	<10	189	<10	16	45
59	45098	0.2	1.13	<5	100	<5	0.35	<1	16	122	259	3.55	<10	1.06	177	352	0.06	51	480	8	<5	<20	9	0.17	<10	166	<10	15	43
60	45099	<0.2	1.38	<5	80	<5	0.39	<1	22	147	238	4.11	<10	1.17	221	745	0.08	52	540	8	<5	<20	11	0.20	<10	177	<10	17	50
61	45101	0.2	1.22	<5	80	<5	0.24	<1	20	122	318	4.11	<10	1.06	233	1248	0.07	50	480	10	<5	<20	14	0.19	<10	164	<10	15	55
62	45102	0.6	1.05	5	70	<5	0.63	<1	22	146	617	4.19	<10	0.90	179	2164	0.06	56	390	8	<5	<20	9	0.14	<10	145	<10	11	38
63	45103	0.4	1.36	5	75	<5	0.88	<1	17	137	507	4.13	<10	1.18	243	855	0.07	46	560	8	<5	<20	39	0.16	<10	151	<10	14	49
64	45104	2.4	1.41	10	70	<5	0.64	<1	16	160	934	4.00	<10	1.12	232	551	0.09	47	500	8	<5	<20	23	0.17	<10	166	<10	15	59
65	45105	0.3	1.16	10	80	<5	0.45	<1	17	127	230	3.91	<10	1.07	207	977	0.06	44	490	10	<5	<20	11	0.18	<10	166	<10	14	54

Et #. Tag # Ag Al % As Ba Bi Ca % Cd Co Cr Cu Fe % La Mg % Mn Mo Na % Ni P Pb Sb Sn Sr Ti % U V W Y Zn

66	45106	0.2	1.12	<5	105	<5	0.32	<1	16	145	298	3.61	<10	1.02	167	752	0.08	44	560	8	<5	<20	11	0.16	<10	173	<10	14	40
67	45107	0.2	1.14	<5	90	<5	0.45	<1	20	139	329	3.86	<10	1.05	184	648	0.08	51	530	6	<5	<20	13	0.17	<10	161	<10	15	44
68	45108	0.3	1.34	<5	80	<5	0.51	<1	22	152	519	5.15	<10	1.22	204	625	0.08	69	570	4	<5	<20	25	0.17	<10	181	<10	14	49
69	45109	0.2	1.31	<5	135	<5	0.54	<1	18	149	399	4.23	<10	1.21	222	573	0.13	62	840	8	<5	<20	28	0.18	<10	194	<10	16	61
70	45110	<0.2	0.73	<5	130	<5	1.34	<1	7	19	124	2.75	10	0.47	634	651	0.06	14	860	12	<5	<20	127	0.02	<10	32	<10	18	75
71	45111	0.3	0.99	<5	85	<5	0.55	1	21	153	328	3.72	<10	0.89	254	344	0.08	71	740	10	<5	<20	15	0.14	<10	167	<10	15	78
72	45112	<0.2	1.26	<5	105	<5	0.35	<1	18	148	219	3.98	<10	1.12	238	247	0.09	68	710	14	<5	<20	16	0.20	<10	194	<10	15	62
73	45113	<0.2	1.07	<5	80	<5	0.86	<1	16	123	222	3.43	<10	0.95	182	231	0.05	59	570	6	<5	<20	18	0.14	<10	153	<10	15	46
74	45114	<0.2	1.23	<5	65	<5	0.65	<1	19	153	373	4.76	<10	1.07	253	385	0.06	64	580	10	<5	<20	14	0.17	<10	167	10	15	60
75	45115	<0.2	0.06	5	10	<5	>10	<1	<1	5	20	0.13	<10	>10	85	2	<0.01	<1	440	<2	40	<20	127	<0.01	<10	4	<10	<1	11
76	45116	<0.2	1.14	<5	85	<5	0.63	<1	16	141	240	3.73	<10	1.12	198	257	0.07	54	580	12	<5	<20	12	0.19	<10	171	<10	18	51
77	45117	0.3	0.81	<5	50	<5	0.72	<1	23	147	434	4.67	<10	0.78	175	349	0.08	54	840	8	<5	<20	14	0.13	<10	117	<10	11	49
78	45118	0.5	0.84	<5	70	<5	0.53	1	18	130	469	4.33	<10	0.76	224	832	0.08	55	720	8	<5	<20	13	0.13	<10	126	<10	11	97
79	45119	0.4	0.88	<5	95	<5	0.40	<1	13	130	348	2.85	<10	0.79	173	533	0.08	37	510	4	<5	<20	14	0.13	<10	125	<10	12	35
80	45121	0.3	0.99	<5	100	<5	0.48	<1	12	121	236	2.81	<10	0.92	184	724	0.06	43	480	8	<5	<20	9	0.16	<10	153	<10	15	37
81	45122	0.2	1.03	<5	135	<5	0.34	<1	15	143	243	3.31	<10	0.97	194	538	0.09	47	560	10	<5	<20	14	0.18	<10	155	<10	15	47
82	45123	0.3	0.78	<5	105	<5	0.40	<1	17	119	429	3.68	<10	0.69	184	1047	0.09	36	600	6	<5	<20	16	0.11	<10	106	<10	8	44
83	45124	0.3	0.49	<5	70	<5	0.52	<1	15	90	421	2.60	<10	0.31	119	1176	0.07	9	750	6	<5	<20	21	0.05	<10	33	<10	2	27
84	45125	0.2	0.51	<5	100	<5	0.53	<1	7	60	283	1.94	<10	0.37	140	585	0.07	8	860	4	<5	<20	23	0.05	<10	42	10	4	26

QC DATA:

Repeat:

1	45037	0.5	1.04	<5	70	<5	0.31	<1	14	142	292	4.56	<10	1.02	183	571	0.09	56	450	24	<5	<20	49	0.13	<10	151	<10	10	66
10	45047	0.2	1.50	60	75	<5	1.16	<1	10	133	250	3.23	<10	1.19	209	1078	0.05	36	320	6	<5	<20	64	0.10	<10	140	<10	9	40
19	45056	0.2	1.22	35	65	<5	1.98	<1	8	84	306	2.71	<10	0.78	201	680	0.06	23	660	6	<5	<20	117	0.05	<10	81	<10	9	38
36	45074	<0.2	0.77	<5	115	<5	1.28	<1	10	56	41	2.46	<10	0.62	306	<1	0.07	8	1280	8	<5	<20	52	0.11	<10	55	<10	7	42
45	45084	<0.2	0.74	<5	100	<5	1.25	<1	10	62	161	2.25	<10	0.60	202	210	0.08	7	1170	6	<5	<20	146	0.11	<10	52	<10	8	28
54	45093	0.3	0.88	10	60	<5	0.93	<1	15	49	324	3.01	<10	0.72	197	211	0.06	27	1360	6	<5	<20	23	0.07	<10	54	<10	9	46
71	45111	0.3	1.04	<5	85	<5	0.58	1	21	159	339	3.81	<10	0.97	264	342	0.09	74	730	8	<5	<20	16	0.15	<10	178	<10	13	74

Resplit:

1	45037	0.3	0.99	<5	70	<5	0.31	<1	14	135	281	4.48	<10	0.95	172	580	0.09	56	430	22	<5	<20	52	0.13	<10	145	<10	9	58
36	45074	<0.2	0.83	<5	115	<5	1.27	<1	10	63	48	2.53	<10	0.67	315	1	0.09	6	1280	8	<5	<20	55	0.13	<10	58	<10	8	40
71	45111	0.3	1.02	<5	90	<5	0.50	<1	18	161	329	3.70	<10	0.93	259	364	0.10	71	700	8	<5	<20	14	0.15	<10	171	<10	14	65

Standard:

PB106		>30	0.52	270	85	<5	1.63	36	4	45	6216	1.58	<10	0.18	547	32	0.03	7	280	5342	60	<20	141	<0.01	<10	13	10	1	8344
PB106		>30	0.51	275	80	<5	1.60	40	3	39	6205	1.65	<10	0.17	565	33	0.02	8	270	5265	55	<20	140	<0.01	<10	14	<10	1	8450
PB106		>30	0.51	270	80	<5	1.65	35	4	43	6194	1.45	<10	0.17	560	30	0.02	7	270	5282	55	<20	145	<0.01	<10	13	<10	1	8384

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/dc
df/109
XLS/06

CERTIFICATE OF ASSAY AK 2007-109

TTM Resources 27-Feb-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 84
Sample Type: Core
Project: CHU
Shipment #: 14
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
1	45037	0.058
2	45038	0.031
3	45039	0.056
4	45041	0.115
5	45042	0.272
6	45043	0.058
7	45044	0.092
9	45046	0.222
10	45047	0.103
13	45050	0.063
14	45051	0.037
15	45052	0.065
19	45056	0.068
21	45058	0.058
32	45070	0.063
51	45090	0.064
60	45099	0.073
61	45101	0.126
62	45102	0.216
63	45103	0.084
64	45104	0.054
65	45105	0.097
66	45106	0.074

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0109 27-Feb-07

ET #.	Tag #	Mo (%)
67	45107	0.064
68	45108	0.064
69	45109	0.058
70	45110	0.064
78	45118	0.084
79	45119	0.052
80	45121	0.072
81	45122	0.054
82	45123	0.107
83	45124	0.118
84	45125	0.057

QC DATA:

Repeat:		
1	45037	0.058
10	45047	0.107
32	45070	0.064
69	45109	0.057
Resplit:		
1	45037	0.083
Standard:		
MP2		0.280
MP2		0.281

JJ/kk
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007- 0098

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 34
Sample Type: Core
Project: CHU
Shipment #: 13
Submitted by: All North Consultants

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45002	0.4	1.89	<5	85	<5	1.40	<1	21	40	730	5.74	<10	1.82	309	190	0.08	7	730	8	<5	<20	40	0.17	<10	183	<10	13	58
2	G45003	0.4	1.62	<5	90	<5	1.51	<1	24	76	638	5.59	<10	1.61	294	347	0.08	7	790	8	<5	<20	29	0.15	<10	150	<10	15	44
3	G45004	0.9	1.14	10	55	<5	1.80	<1	19	50	1253	6.17	<10	0.90	285	721	0.06	7	570	10	<5	<20	53	0.06	<10	80	<10	9	55
4	G45005	<0.2	0.04	5	10	<5	>10	<1	<1	5	3	0.09	<10	>10	66	<3	<0.01	<1	410	<2	35	<20	115	<0.01	<10	4	<10	<1	7
5	G45006	0.7	1.49	5	80	<5	1.49	<1	25	59	1164	7.15	<10	1.60	359	1042	0.10	10	560	10	<5	<20	30	0.11	<10	151	<10	12	77
6	G45007	0.4	0.63	<5	65	<5	1.37	<1	12	79	504	3.74	<10	0.57	235	402	0.06	6	690	10	<5	<20	30	0.05	<10	53	<10	9	47
7	G45008	0.3	0.87	<5	75	<5	1.68	<1	13	60	529	4.50	<10	0.79	319	327	0.07	10	770	10	<5	<20	27	0.08	<10	77	<10	11	79
8	G45009	<0.2	0.53	<5	60	<5	2.01	<1	8	77	159	2.44	10	0.41	273	257	0.07	6	1190	8	<5	<20	46	0.04	<10	27	<10	7	47
9	G45010	<0.2	0.65	<5	120	<5	1.32	<1	7	17	117	2.60	10	0.43	616	641	0.05	14	750	12	<5	<20	105	0.02	<10	29	<10	18	80
10	G45011	<0.2	0.43	<5	65	<5	1.93	<1	7	68	165	2.20	<10	0.29	207	196	0.06	6	950	6	<5	<20	57	0.03	<10	17	<10	7	33
11	G45012	0.3	0.78	10	50	<5	1.59	<1	12	71	384	3.05	<10	0.54	218	513	0.05	8	700	6	<5	<20	34	0.02	<10	36	<10	11	38
12	G45013	0.3	1.06	15	70	<5	1.95	<1	14	87	365	3.55	<10	0.85	264	3734	0.05	31	460	10	<5	<20	37	0.07	<10	90	<10	11	52
13	G45014	0.2	0.66	150	50	<5	2.90	<1	11	89	340	3.03	<10	0.39	227	649	0.03	36	580	10	<5	<20	32	0.02	<10	51	<10	11	42
14	G45015	0.3	0.79	1275	35	<5	2.14	<1	9	62	278	2.44	<10	0.43	183	763	0.01	39	340	12	10	<20	34	<0.01	<10	24	<10	5	46
15	G45016	0.5	1.21	25	55	<5	2.01	<1	17	95	442	3.17	<10	0.97	240	1076	0.03	39	630	10	<5	<20	55	0.05	<10	72	<10	9	53
16	G45017	0.4	1.06	10	70	<5	1.27	<1	12	147	371	3.33	<10	1.09	329	1298	0.05	44	400	14	<5	<20	33	0.09	<10	144	<10	12	102
17	G45018	0.3	1.08	10	55	<5	1.88	<1	11	112	200	2.77	<10	0.90	388	1427	0.04	41	290	18	<5	<20	38	0.07	<10	131	<10	9	106
18	G45019	<0.2	1.23	15	55	<5	1.47	<1	13	141	156	2.97	<10	1.08	350	1709	0.04	42	360	26	<5	<20	36	0.06	<10	129	<10	7	103
19	G45021	0.3	1.04	<5	75	<5	1.04	<1	18	134	404	3.26	<10	1.03	223	783	0.06	41	320	8	<5	<20	35	0.09	<10	141	<10	11	45
20	G45022	<0.2	0.82	5	55	<5	1.10	<1	13	143	147	2.79	<10	0.77	184	1122	0.04	36	280	12	<5	<20	30	0.05	<10	92	<10	7	41
21	G45023	<0.2	1.12	10	75	<5	0.69	<1	12	130	162	3.00	<10	1.03	183	1252	0.05	45	330	12	<5	<20	23	0.12	<10	152	<10	13	40
22	G45024	<0.2	1.10	5	85	<5	0.41	<1	12	178	146	2.95	<10	1.11	192	328	0.08	56	300	10	<5	<20	18	0.14	<10	179	<10	14	40
23	G45025	<0.2	0.03	5	10	<5	>10	<1	<1	4	9	0.08	<10	>10	70	<1	<0.01	<1	360	<2	35	<20	115	<0.01	<10	2	<10	1	7
24	G45026	<0.2	1.30	<5	80	<5	1.08	<1	14	151	286	3.57	<10	1.39	252	982	0.07	69	390	6	<5	<20	45	0.15	<10	180	<10	12	53
25	G45027	<0.2	1.44	<5	110	<5	0.46	<1	16	157	179	3.52	<10	1.36	240	332	0.08	56	410	8	<5	<20	48	0.19	<10	183	<10	18	47

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G45028	0.2	1.20	<5	100	<5	0.95	<1	16	124	274	3.35	<10	1.19	337	479	0.07	44	390	6	<5	<20	45	0.16	<10	151	<10	15	49
27	G45029	0.2	0.67	5	65	<5	1.27	<1	7	92	259	2.39	<10	0.58	240	516	0.08	16	730	8	<5	<20	57	0.05	<10	52	<10	7	34
28	G45030	<0.2	0.70	<5	125	<5	1.35	<1	7	18	119	2.68	10	0.46	631	635	0.06	16	730	12	<5	<20	114	0.02	<10	31	<10	18	77
29	G45031	<0.2	1.30	5	120	<5	0.70	<1	15	131	160	3.33	<10	1.23	288	374	0.08	52	400	10	<5	<20	28	0.18	<10	162	<10	17	123
30	G45032	0.2	1.33	<5	110	<5	0.44	<1	16	149	253	3.72	<10	1.29	250	417	0.08	51	510	8	<5	<20	38	0.20	<10	179	<10	19	52
31	G45033	0.2	1.39	<5	110	<5	0.52	<1	17	137	250	3.78	<10	1.38	256	675	0.08	55	430	8	<5	<20	33	0.19	<10	167	<10	19	50
32	G45034	<0.2	1.45	<5	120	<5	0.31	<1	16	158	268	3.93	<10	1.46	279	235	0.09	55	490	6	<5	<20	18	0.23	<10	175	<10	22	54
33	G45035	0.2	1.18	<5	110	<5	0.28	1	17	135	257	3.48	<10	1.18	241	748	0.10	53	430	10	5	<20	24	0.16	<10	164	<10	17	53
34	G45036	0.3	1.14	<5	90	<5	0.25	<1	16	159	372	4.37	<10	1.10	181	309	0.11	46	340	8	<5	<20	19	0.13	<10	161	<10	9	48

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45002	0.4	1.87	5	85	<5	1.40	<1	22	39	226	5.73	<10	1.76	309	192	0.07	6	740	10	<5	<20	40	0.17	<10	178	<10	13	60
10	G45011	<0.2	0.46	<5	70	<5	1.98	<1	8	70	169	2.24	10	0.31	213	206	0.07	6	950	6	<5	<20	60	0.03	<10	18	<10	9	33
19	G45021	0.4	0.99	5	75	<5	1.02	<1	18	134	397	3.24	<10	0.98	220	774	0.06	43	340	10	<5	<20	33	0.08	<10	137	<10	11	46
28	G45030	0.2	0.68	<5	120	<5	1.33	<1	7	18	114	2.65	10	0.45	621	618	0.05	16	720	12	<5	<20	111	0.02	<10	31	<10	17	76

Resplit:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G45002	0.4	1.93	<5	95	<5	1.37	<1	20	38	742	6.06	<10	1.87	317	252	0.08	6	690	10	<5	<20	33	0.18	<10	189	<10	12	56

Standard:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
PB106		>30	0.53	275	75	<5	1.62	33	4	43	6292	1.69	<10	0.17	564	31	0.02	7	270	5272	55	<20	144	<0.01	<10	13	10	1	8359

JJ/kc
df/98
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0098

TTM Resources 19-Feb-07

520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 34
Sample Type: Core
Project: CHU
Shipment #: 13
Submitted by: All North Consultants

ET #.	Tag #	Mo (%)
3	G45004	0.074
5	G45006	0.107
9	G45010	0.062
11	G45012	0.052
12	G45013	0.391
13	G45014	0.064
14	G45015	0.089
15	G45016	0.114
16	G45017	0.139
17	G45018	0.150
18	G45019	0.180
19	G45021	0.077
20	G45022	0.117
21	G45023	0.135
24	G45026	0.100
26	G45028	0.048
27	G45029	0.051
28	G45030	0.065
31	G45033	0.066
33	G45035	0.077

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0098 19-Feb-07

ET #.	Tag #	Mo (%)
QC DATA:		
Repeat:		
3	G45004	0.076
17	G45018	0.152
24	G45026	0.100
Standard:		
MP2		0.283
MP2		0.279

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/dc/kc
XLS/06

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-0083

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 83
Sample Type: Core
Project: CHU
Shipment #: 12
Submitted by: All North Consultants.

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	44918	0.5	1.06	20	40	<5	1.25	2	25	49	492	5.11	<10	0.87	196	241	0.07	5	800	<2	<5	<20	20	0.11	<10	94	<10	8	31
2	44919	0.2	0.60	10	30	<5	0.29	1	17	42	229	4.24	<10	0.47	95	223	0.05	5	690	<2	<5	<20	7	0.04	<10	65	<10	6	18
3	44921	0.2	0.68	5	35	<5	0.21	2	19	60	228	4.83	<10	0.57	118	192	0.08	4	620	<2	<5	<20	7	0.05	<10	92	<10	6	36
4	44922	0.3	0.64	10	45	<5	0.52	2	18	41	342	4.29	<10	0.51	134	325	0.09	6	710	<2	<5	<20	12	0.06	<10	90	<10	10	32
5	44923	0.6	0.62	15	40	<5	1.01	2	11	38	574	5.00	<10	0.38	227	267	0.06	3	940	4	<5	<20	12	0.03	<10	40	<10	14	39
6	44924	0.6	0.81	10	40	<5	0.65	2	11	36	347	4.01	<10	0.65	233	857	0.06	4	970	<2	<5	<20	11	0.06	<10	79	<10	11	53
7	44925	<0.2	0.03	<5	25	<5	>10	<1	<1	3	2	0.06	<10	8.52	41	1	0.01	1	230	<2	<5	<20	74	<0.01	<10	<1	<10	1	2
8	44926	0.5	0.83	15	35	<5	1.06	2	18	41	515	5.28	<10	0.61	203	609	0.06	7	860	<2	<5	<20	25	0.06	<10	89	<10	11	62
9	44927	0.4	0.98	10	60	<5	1.05	2	33	38	724	5.96	<10	0.73	193	115	0.09	4	910	<2	<5	<20	33	0.08	<10	132	<10	12	43
10	44928	0.9	0.91	10	110	<5	1.04	2	21	72	970	6.68	<10	0.55	209	283	0.13	8	770	<2	5	<20	38	0.09	<10	103	<10	10	44
11	44929	0.7	1.12	10	50	<5	0.55	18	19	42	861	6.17	<10	0.91	279	457	0.10	6	750	<2	<5	<20	18	0.10	<10	125	<10	10	942
12	44930	<0.2	0.68	10	115	<5	1.28	<1	4	16	110	2.40	20	0.45	599	658	0.05	18	720	6	<5	<20	123	0.02	<10	25	<10	15	68
13	44931	0.3	1.47	15	55	<5	0.66	2	25	63	622	6.25	<10	1.46	374	231	0.12	8	700	<2	<5	<20	37	0.16	<10	146	<10	8	89
14	44932	0.4	1.30	15	75	<5	0.77	2	18	44	675	6.06	<10	1.16	251	941	0.14	6	810	<2	5	<20	30	0.15	<10	113	<10	10	44
15	44933	0.3	1.24	15	130	<5	0.51	2	16	55	539	5.17	<10	0.99	212	259	0.18	4	860	<2	<5	<20	23	0.14	<10	101	<10	12	48
16	44934	0.3	0.74	5	65	<5	0.38	1	17	42	326	3.81	<10	0.44	134	703	0.11	1	910	<2	<5	<20	11	0.06	<10	47	<10	11	23
17	44935	0.2	0.82	10	90	<5	0.43	1	9	53	255	3.51	<10	0.41	116	548	0.18	1	860	<2	<5	<20	14	0.06	<10	37	<10	11	22
18	44936	0.2	0.77	10	80	<5	0.46	1	11	37	440	4.26	<10	0.41	117	716	0.13	<1	920	<2	<5	<20	17	0.06	<10	50	<10	13	24
19	44937	0.2	0.83	10	80	<5	0.40	1	20	49	442	4.16	<10	0.54	156	296	0.11	1	1020	<2	<5	<20	12	0.08	<10	59	<10	15	27
20	44938	0.2	0.89	10	95	<5	0.45	1	12	28	462	3.96	<10	0.55	172	382	0.14	1	1050	<2	<5	<20	15	0.09	<10	62	<10	15	31
21	44939	0.2	1.14	10	125	<5	0.61	2	16	60	486	5.15	<10	0.78	274	624	0.16	2	1010	<2	<5	<20	23	0.15	<10	80	<10	12	49
22	44941	0.3	0.83	10	95	<5	0.69	2	14	33	475	4.84	<10	0.58	199	512	0.16	3	950	<2	<5	<20	21	0.14	<10	82	<10	8	116
23	44942	0.2	0.62	5	85	<5	0.58	2	11	53	271	3.56	<10	0.28	119	457	0.14	2	870	<2	<5	<20	18	0.08	<10	39	<10	11	103
24	44943	<0.2	0.70	10	80	<5	0.55	1	10	39	231	3.58	<10	0.44	140	269	0.13	2	920	<2	<5	<20	13	0.09	<10	48	<10	13	64
25	44944	0.6	1.47	35	35	<5	2.78	2	11	32	661	5.88	<10	1.13	381	455	0.05	1	920	<2	<5	<20	25	0.04	<10	66	<10	17	51

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	44945	<0.2	0.03	<5	25	<5	>10	<1	<1	3	2	0.06	<10	>10	57	<1	0.01	2	290	4	<5	<20	85	<0.01	<10	<1	<10	2	2
27	44946	0.3	0.99	15	40	<5	1.20	2	14	37	417	4.69	<10	0.91	354	199	0.07	<1	990	<2	<5	<20	12	0.12	<10	62	<10	10	103
28	44947	0.6	1.04	15	50	5	0.98	2	16	28	529	4.85	<10	1.05	294	201	0.09	<1	1020	16	<5	<20	19	0.10	<10	71	<10	13	83
29	44948	0.6	0.93	15	45	<5	1.24	2	11	29	525	4.20	<10	0.87	307	653	0.08	<1	1060	<2	<5	<20	16	0.12	<10	66	<10	12	63
30	44949	0.7	0.89	10	85	<5	0.69	2	18	36	453	4.79	<10	0.58	296	213	0.18	1	990	4	<5	<20	20	0.11	<10	58	<10	12	91
31	44950	<0.2	0.66	10	115	<5	1.41	<1	4	16	107	2.39	20	0.45	667	622	0.05	17	720	4	<5	<20	122	0.02	<10	25	<10	15	69
32	44951	0.6	0.88	10	65	<5	0.69	2	17	34	528	4.87	<10	0.59	264	590	0.17	<1	970	<2	<5	<20	17	0.13	<10	71	<10	9	60
33	44952	0.4	0.90	10	85	<5	0.73	2	16	41	443	4.37	<10	0.68	273	337	0.15	<1	980	<2	<5	<20	19	0.12	<10	54	<10	10	44
34	44953	0.3	1.15	15	105	<5	0.64	2	16	37	443	4.50	<10	0.83	270	253	0.20	<1	1020	<2	<5	<20	26	0.14	<10	61	<10	11	41
35	44954	0.4	0.86	10	80	<5	0.56	1	12	47	425	4.02	<10	0.60	212	394	0.16	1	940	<2	<5	<20	19	0.11	<10	53	<10	12	34
36	44955	0.4	0.61	10	55	<5	0.59	1	11	48	368	3.41	<10	0.43	169	452	0.10	2	890	8	<5	<20	17	0.08	<10	44	<10	11	32
37	44956	0.5	0.80	10	60	<5	0.33	1	15	35	647	4.60	<10	0.79	183	144	0.10	<1	790	<2	<5	<20	15	0.10	<10	48	<10	8	35
38	44957	0.7	0.93	10	80	55	0.34	1	7	61	567	3.54	<10	0.90	215	532	0.11	3	860	<2	<5	<20	19	0.11	<10	56	<10	11	40
39	44958	0.4	0.82	10	70	<5	0.42	1	12	33	453	4.05	<10	0.78	237	363	0.10	2	880	<2	<5	<20	18	0.11	<10	49	<10	8	40
40	44959	0.3	0.63	5	65	<5	0.44	1	10	68	317	3.69	<10	0.45	173	409	0.10	2	820	<2	<5	<20	19	0.09	<10	42	<10	8	25
41	44961	0.5	0.73	10	55	<5	0.55	1	12	36	418	3.44	<10	0.69	299	191	0.09	<1	940	<2	<5	<20	13	0.10	<10	47	<10	11	72
42	44962	0.4	0.94	10	55	<5	1.06	1	13	44	407	3.96	<10	0.94	296	182	0.06	<1	940	<2	<5	<20	18	0.13	<10	54	<10	10	49
43	44963	0.3	0.71	10	50	<5	0.55	1	10	41	357	3.49	<10	0.60	215	161	0.07	1	890	<2	<5	<20	19	0.10	<10	48	<10	11	38
44	44964	0.5	0.58	10	45	<5	0.87	1	12	56	472	3.79	<10	0.48	249	656	0.07	2	790	2	<5	<20	13	0.08	<10	38	<10	9	42
45	44965	<0.2	0.03	<5	25	<5	>10	<1	<1	2	2	0.06	<10	>10	48	1	0.01	2	320	<2	<5	<20	94	<0.01	<10	<1	<10	2	4
46	44966	0.3	0.58	5	45	<5	0.66	<1	8	58	247	2.55	<10	0.58	274	541	0.06	3	930	<2	<5	<20	21	0.11	<10	35	<10	7	42
47	44967	<0.2	0.86	10	60	<5	0.96	<1	10	75	189	2.66	<10	0.85	275	224	0.08	15	920	<2	<5	<20	33	0.12	<10	45	<10	5	33
48	44968	<0.2	0.40	5	50	<5	1.02	<1	4	48	158	1.94	10	0.29	176	188	0.05	4	810	2	<5	<20	28	0.05	<10	16	<10	5	26
49	44969	0.2	0.48	15	55	<5	0.63	<1	7	80	281	2.49	10	0.37	169	310	0.07	5	800	<2	<5	<20	32	0.06	<10	23	<10	5	23
50	44970	0.2	0.66	10	105	<5	1.41	<1	4	16	112	2.41	20	0.45	671	637	0.05	18	730	6	<5	<20	124	0.02	<10	22	<10	15	71
51	44971	0.2	0.85	15	50	<5	1.34	<1	10	74	166	2.65	<10	0.76	297	375	0.10	18	940	<2	<5	<20	57	0.07	<10	40	<10	4	28
52	44972	<0.2	2.38	25	135	<5	2.91	2	27	172	47	4.63	<10	2.26	521	2	0.22	69	1580	<2	<5	<20	147	0.11	<10	121	<10	5	48
53	44973	<0.2	2.53	25	145	<5	2.93	1	29	180	41	4.80	<10	2.27	452	<1	0.27	73	1620	<2	<5	<20	153	0.12	<10	123	<10	5	43
54	44974	<0.2	2.51	25	140	<5	3.30	2	26	127	48	4.96	<10	2.46	580	2	0.19	61	1520	<2	<5	<20	208	0.10	<10	129	<10	6	48
55	44975	<0.2	0.68	10	45	<5	1.40	<1	9	65	89	2.57	<10	0.65	260	301	0.07	10	1010	2	<5	<20	45	0.06	<10	38	<10	8	31
56	44976	0.3	0.63	15	40	<5	0.95	<1	8	44	250	2.55	<10	0.50	208	351	0.06	4	950	2	<5	<20	54	0.07	<10	45	<10	12	30
57	44977	<0.2	2.12	25	75	<5	2.44	1	22	144	95	3.82	<10	1.58	365	21	0.25	57	1320	<2	<5	<20	291	0.09	<10	89	<10	5	33
58	44978	<0.2	2.28	25	75	<5	2.32	1	23	149	79	4.02	<10	1.83	385	23	0.26	67	1280	<2	<5	<20	131	0.09	<10	106	<10	6	34
59	44979	0.2	0.65	10	35	<5	0.86	1	12	41	327	3.45	<10	0.50	162	415	0.08	3	1010	<2	<5	<20	31	0.08	<10	60	<10	17	25
60	44981	<0.2	0.76	10	50	<5	1.07	<1	8	50	129	2.94	<10	0.65	206	196	0.06	4	1370	4	<5	<20	49	0.09	<10	51	<10	12	33
61	44982	<0.2	0.92	15	50	<5	1.46	1	13	63	59	3.28	<10	0.95	300	194	0.07	16	1390	2	<5	<20	49	0.08	<10	50	<10	9	38
62	44983	<0.2	0.53	10	40	<5	0.88	1	7	54	76	3.16	10	0.48	204	619	0.07	5	880	4	<5	<20	29	0.08	<10	43	<10	7	30
63	44984	<0.2	0.86	15	60	<5	1.22	<1	11	63	75	2.97	10	0.91	331	151	0.08	13	1130	4	<5	<20	44	0.10	<10	53	<10	5	39
64	44985	<0.2	0.02	<5	25	<5	>10	<1	<1	1	2	0.06	<10	>10	55	<1	0.02	2	250	<2	<5	<20	88	<0.01	<10	<1	<10	2	2
65	44986	<0.2	2.23	25	230	<5	3.03	2	25	83	32	4.96	<10	2.61	734	2	0.11	42	1840	<2	<5	<20	124	0.11	<10	133	<10	7	49

Et #. Tag # Ag Al % As Ba Bi Ca % Cd Co Cr Cu Fe % La Mg % Mn Mo Na % Ni P Pb Sb Sn Sr Ti % U V W Y Zn

66	44987	<0.2	2.37	25	280	<5	3.39	2	26	92	27	4.97	<10	2.70	689	<1	0.08	47	1780	<2	<5	<20	113	0.10	<10	129	<10	8	51
67	44988	<0.2	2.20	25	135	<5	5.06	1	22	65	61	4.48	10	2.21	616	77	0.04	40	1570	<2	<5	<20	75	0.03	<10	101	<10	9	48
68	44989	0.2	0.74	15	45	<5	3.03	<1	8	46	427	2.74	20	0.42	224	959	0.04	9	940	<2	<5	<20	53	0.03	<10	24	<10	10	25
69	44990	0.2	0.66	10	110	<5	1.38	<1	4	17	108	2.41	20	0.45	614	674	0.05	17	730	6	<5	<20	124	0.02	<10	22	<10	15	68
70	44991	0.2	0.54	10	40	<5	0.96	<1	8	34	315	2.98	<10	0.47	157	276	0.04	3	830	<2	<5	<20	30	0.06	<10	27	<10	5	23
71	44992	0.5	0.78	10	40	<5	0.92	1	13	50	520	3.78	<10	0.73	219	734	0.06	2	880	8	<5	<20	49	0.11	<10	51	<10	8	35
72	44993	0.2	0.90	15	50	<5	1.89	<1	7	52	401	3.03	10	0.79	249	584	0.06	4	930	<2	<5	<20	49	0.09	<10	44	<10	9	30
73	44994	0.5	0.76	25	35	<5	1.33	1	24	31	601	4.65	<10	0.69	201	618	0.05	2	870	<2	<5	<20	32	0.06	<10	44	<10	8	25
74	44995	0.5	1.56	25	45	<5	1.06	1	13	27	614	4.28	<10	1.33	265	547	0.06	<1	1060	<2	<5	<20	25	0.14	<10	89	<10	9	35
75	44996	0.9	1.43	40	40	<5	1.18	2	5	33	960	6.34	<10	1.37	324	4314	0.07	<1	710	<2	<5	<20	109	0.14	<10	94	<10	6	40
76	44997	0.6	1.38	20	40	<5	0.96	2	14	44	755	5.22	<10	1.41	291	1334	0.09	<1	740	<2	<5	<20	94	0.18	<10	110	<10	8	41
77	44998	0.7	1.21	20	45	<5	1.61	2	25	34	821	5.31	<10	1.19	232	859	0.06	1	710	<2	<5	<20	27	0.10	<10	90	<10	8	32
78	44999	0.4	1.50	20	55	<5	1.76	1	13	32	446	4.57	<10	1.45	298	814	0.07	2	930	<2	<5	<20	31	0.14	<10	120	<10	11	38
79	45001	0.4	1.47	20	40	<5	2.12	2	15	27	679	4.84	<10	1.38	261	424	0.06	3	830	<2	<5	<20	40	0.10	<10	115	<10	11	38

QC DATA:

Repeat:

1	44918	0.5	1.06	20	45	<5	1.18	2	25	49	501	5.11	<10	0.87	192	239	0.06	5	800	<2	<5	<20	19	0.11	<10	98	<10	8	31
10	44928	0.8	0.90	10	105	<5	1.02	2	20	74	954	6.29	<10	0.55	213	285	0.13	7	790	<2	<5	<20	38	0.10	<10	108	<10	10	45
19	44937	0.2	0.81	10	75	<5	0.40	1	21	50	438	4.15	<10	0.54	157	284	0.11	1	1030	<2	<5	<20	12	0.08	<10	59	<10	15	28
36	44955	0.4	0.59	5	50	<5	0.66	1	11	46	374	3.45	<10	0.43	150	455	0.09	2	860	<2	<5	<20	15	0.08	<10	47	<10	11	27
46	44966	0.3	0.59	5	50	<5	0.63	<1	8	59	247	2.60	<10	0.57	252	547	0.07	3	930	<2	<5	<20	22	0.12	<10	35	<10	7	42
54	44974	<0.2	2.53	25	140	<5	3.07	2	27	131	48	4.99	<10	2.49	543	4	0.20	63	1570	<2	<5	<20	213	0.10	<10	130	<10	6	50
71	44992	0.4	0.78	10	40	<5	0.88	1	12	52	510	3.72	<10	0.72	219	729	0.06	2	870	<2	<5	<20	50	0.12	<10	52	<10	9	30

Resplit:

1	44918	0.5	1.03	20	45	<5	1.17	2	21	42	478	4.92	<10	0.86	189	241	0.06	5	820	<2	<5	<20	19	0.11	<10	97	<10	8	30
36	44955	0.4	0.58	5	50	<5	0.65	1	10	50	374	3.42	<10	0.42	154	478	0.09	2	960	<2	<5	<20	16	0.09	<10	42	<10	12	27
71	44992	0.4	0.68	10	35	<5	0.89	1	12	41	562	3.80	<10	0.69	198	720	0.05	1	820	<2	<5	<20	46	0.09	<10	50	<10	7	28

Standard:

Pb106		>30	0.51	270	80	<5	1.60	32	4	41	6258	1.63	<10	0.17	556	33	0.02	4	270	5256	60	<20	133	<0.01	<10	13	<10	1	8446
Pb106		>30	0.50	270	80	<5	1.61	32	3	40	6325	1.63	<10	0.16	553	32	0.02	3	270	5274	60	<20	132	<0.01	<10	13	<10	1	8373
Pb106		>30	0.50	270	75	<5	1.63	32	4	42	6335	1.63	<10	0.16	549	34	0.02	4	270	5260	60	<20	141	<0.01	<10	14	<10	1	8400

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/dc
df/n83
XLS/06

CERTIFICATE OF ASSAY AK 2007-0083

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

21-Feb-07

Attention: Ken MacDonald

No. of samples received: 83
Sample Type: Core
Project: CHU
Shipment #: 12
Submitted by: All North Consultants.

ET #.	Tag #	Mo (%)
6	44924	0.088
8	44926	0.061
12	44930	0.063
14	44932	0.100
16	44934	0.070
17	44935	0.053
18	44936	0.069
21	44939	0.063
22	44941	0.053
29	44948	0.066
31	44950	0.064
32	44951	0.060
38	44957	0.054
44	44964	0.067
46	44966	0.054
50	44970	0.065
62	44983	0.059
68	44989	0.091
69	44990	0.066
71	44992	0.073
72	44993	0.058
73	44994	0.061
74	44995	0.055
75	44996	0.433
76	44997	0.128
77	44998	0.088
78	44999	0.082
79	45001	0.040

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-0083 21-Feb-07

ET #.	Tag #	Mo (%)
QC DATA:		
Repeat:		
6	44924	0.084
29	44948	0.067
69	44990	0.065
Standard:		
MP2		0.282

JJ/kc
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-0072

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 53
Sample Type: Core
Project: CHU
Shipment #: 11
Submitted by: All North Cons.

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G44863	0.2	1.36	15	90	<5	0.72	<1	12	213	211	2.56	<10	0.96	184	114	0.09	41	290	2	<5	<20	30	0.13	<10	100	<10	11	39
2	G44864	0.3	2.52	<5	65	<5	1.31	<1	19	227	339	3.81	<10	0.98	216	116	0.37	73	480	2	<5	<20	70	0.15	<10	110	<10	11	51
3	G44865	<0.2	0.15	10	15	<5	>10	<1	<1	10	13	0.15	<10	>10	91	<1	<0.01	<1	350	<2	40	<20	156	<0.01	<10	5	<10	<1	6
4	G44866	0.3	4.78	<5	125	<5	2.01	<1	19	162	224	3.78	<10	1.86	316	28	0.54	84	490	<2	<5	<20	135	0.24	<10	222	<10	20	67
5	G44867	0.2	3.28	<5	155	<5	1.24	<1	19	151	163	3.54	<10	1.64	313	33	0.33	74	500	4	<5	<20	69	0.24	<10	195	<10	23	56
6	G44868	0.6	2.65	<5	75	<5	0.89	<1	20	160	272	4.46	<10	1.47	309	41	0.24	74	450	6	<5	<20	53	0.23	<10	184	<10	14	54
7	G44869	0.2	2.16	<5	100	<5	1.06	<1	13	197	171	2.80	<10	0.97	238	17	0.21	55	510	6	<5	<20	59	0.17	<10	126	<10	18	42
8	G44870	0.2	0.84	<5	140	<5	1.33	<1	7	19	124	2.54	20	0.50	636	635	0.05	15	700	12	<5	<20	125	0.02	<10	35	<10	19	76
9	G44871	<0.2	2.69	<5	130	<5	1.18	<1	18	176	146	3.39	<10	1.34	296	15	0.19	58	640	8	<5	<20	52	0.25	<10	179	<10	24	57
10	G44872	<0.2	2.62	<5	110	<5	0.95	<1	18	148	163	3.43	<10	1.39	307	21	0.22	53	760	2	<5	<20	73	0.23	<10	187	<10	16	53
11	G44873	0.2	1.12	<5	75	<5	0.77	<1	13	155	240	2.90	<10	0.83	215	47	0.06	34	560	2	<5	<20	23	0.11	<10	95	<10	9	41
12	G44874	0.2	2.32	<5	60	<5	0.97	2	18	162	285	3.77	<10	1.07	301	41	0.25	47	380	6	<5	<20	59	0.17	<10	139	<10	13	124
13	G44875	<0.2	2.34	<5	120	<5	0.84	<1	17	182	150	3.34	<10	1.23	289	42	0.21	51	430	6	<5	<20	44	0.21	<10	154	<10	16	53
14	G44876	0.2	2.17	<5	85	<5	0.87	<1	17	179	212	3.32	<10	1.24	289	21	0.19	51	440	6	<5	<20	38	0.21	<10	158	<10	16	54
15	G44877	<0.2	2.44	<5	105	<5	0.99	<1	16	181	219	3.35	<10	1.17	269	94	0.31	65	450	<2	<5	<20	62	0.19	<10	154	<10	17	56
16	G44878	<0.2	2.88	5	115	<5	1.63	<1	15	179	188	2.88	<10	1.05	277	74	0.31	69	520	<2	<5	<20	125	0.15	<10	122	<10	17	52
17	G44879	<0.2	3.51	<5	115	<5	1.48	<1	19	182	188	3.62	<10	1.55	379	26	0.34	75	540	<2	<5	<20	110	0.19	<10	166	<10	14	69
18	G44881	<0.2	2.79	5	125	<5	0.82	<1	20	141	131	3.70	<10	1.67	321	13	0.15	84	460	6	<5	<20	49	0.23	<10	200	<10	15	66
19	G44882	<0.2	3.08	5	75	<5	1.23	<1	21	200	196	3.69	<10	1.52	304	8	0.34	84	510	<2	<5	<20	86	0.22	<10	171	<10	18	75
20	G44883	<0.2	3.96	<5	100	<5	1.56	<1	21	172	224	3.51	<10	1.79	332	6	0.54	103	610	<2	<5	<20	120	0.22	<10	164	<10	22	81
21	G44884	<0.2	4.39	<5	110	<5	1.58	<1	22	167	179	3.83	<10	1.92	373	19	0.57	101	590	<2	<5	<20	123	0.24	<10	190	<10	24	74
22	G44885	<0.2	0.06	5	15	<5	>10	<1	<1	7	12	0.09	<10	>10	88	<1	<0.01	<1	360	<2	35	<20	159	<0.01	<10	4	<10	<1	6
23	G44886	<0.2	2.89	<5	80	<5	1.35	<1	20	193	173	3.72	<10	1.55	307	9	0.28	81	530	<2	<5	<20	68	0.21	<10	168	<10	19	84
24	G44887	0.4	1.82	<5	50	<5	0.48	<1	30	134	374	5.71	<10	1.59	333	8	0.09	51	510	<2	<5	<20	19	0.23	<10	148	80	9	98
25	G44888	<0.2	2.44	<5	90	<5	0.52	<1	20	171	147	3.56	<10	1.59	342	3	0.13	73	440	<2	<5	<20	23	0.25	<10	196	<10	15	66
26	G44889	<0.2	2.31	<5	105	<5	0.78	<1	17	170	127	3.20	<10	1.48	338	7	0.10	68	470	<2	<5	<20	30	0.22	<10	186	<10	15	60
27	G44890	<0.2	0.98	<5	150	<5	1.37	<1	7	19	146	2.61	20	0.58	669	646	0.06	14	690	6	<5	<20	154	0.02	<10	38	<10	19	69
28	G44891	<0.2	1.55	<5	80	<5	0.54	<1	12	155	179	2.74	<10	1.03	228	14	0.10	49	400	<2	<5	<20	27	0.13	<10	136	<10	10	47
29	G44892	<0.2	2.05	<5	100	<5	0.44	<1	16	169	132	3.26	<10	1.45	322	4	0.08	66	670	2	<5	<20	18	0.21	<10	188	<10	16	70
30	G44893	<0.2	2.64	15	70	<5	1.14	<1	19	173	231	3.80	<10	1.34	395	8	0.23	88	440	<2	<5	<20	69	0.20	<10	163	<10	17	72

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007-0072** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G44894	<0.2	2.32	40	115	<5	1.29	<1	17	166	152	3.27	<10	1.32	398	6	0.12	72	380	<2	<5	<20	67	0.15	<10	150	<10	13	67
32	G44895	<0.2	2.04	5	75	<5	1.33	4	16	154	275	3.63	<10	1.12	299	7	0.21	63	460	<2	<5	<20	50	0.15	<10	147	30	17	211
33	G44896	<0.2	1.28	<5	85	<5	0.66	<1	17	260	207	3.13	<10	0.83	239	6	0.12	47	360	4	<5	<20	30	0.14	<10	104	20	18	67
34	G44897	<0.2	1.18	<5	100	<5	0.81	2	12	159	161	2.43	<10	0.66	189	4	0.12	43	360	2	<5	<20	35	0.12	<10	91	<10	16	151
35	G44898	0.2	1.34	<5	110	<5	0.44	<1	16	245	189	2.96	<10	0.94	259	4	0.13	50	380	4	<5	<20	20	0.18	<10	128	<10	18	62
36	G44899	<0.2	2.49	<5	105	<5	0.93	<1	19	195	156	3.21	<10	0.99	266	9	0.30	57	470	2	<5	<20	62	0.17	<10	147	10	17	63
37	G44901	<0.2	1.45	<5	95	<5	1.23	2	10	112	195	2.24	<10	0.46	146	7	0.20	33	310	<2	<5	<20	70	0.10	<10	77	<10	11	120
38	G44902	<0.2	1.74	<5	120	<5	0.90	<1	11	133	153	2.24	<10	0.74	242	<1	0.22	42	380	2	<5	<20	68	0.14	<10	111	<10	16	51
39	G44903	0.5	1.23	<5	55	<5	0.77	<1	22	38	823	4.81	<10	0.83	474	60	0.12	6	580	<2	<5	<20	43	0.20	<10	123	<10	17	68
40	G44904	0.3	1.33	<5	50	<5	0.77	<1	19	29	564	4.54	<10	0.71	420	271	0.16	6	580	<2	<5	<20	63	0.18	<10	120	<10	14	61
41	G44905	<0.2	0.05	5	25	<5	>10	<1	<1	5	19	0.09	<10	>10	69	<1	<0.01	<1	400	<2	40	<20	151	<0.01	<10	3	<10	5	9
42	G44906	0.2	0.97	<5	50	<5	0.78	<1	24	34	586	4.97	<10	0.70	324	185	0.10	5	600	4	<5	<20	49	0.17	<10	110	<10	12	67
43	G44907	0.3	0.98	<5	45	<5	0.81	<1	24	29	561	4.98	<10	0.60	319	120	0.13	5	590	<2	<5	<20	42	0.16	<10	84	<10	9	44
44	G44908	0.3	1.24	<5	50	<5	0.84	2	21	42	546	4.55	<10	0.95	433	128	0.11	6	640	<2	<5	<20	48	0.19	<10	137	<10	15	68
45	G44909	0.3	0.80	<5	40	<5	1.23	<1	19	46	530	4.22	<10	0.40	311	123	0.09	6	660	2	<5	<20	49	0.14	<10	90	<10	15	39
46	G44910	<0.2	0.06	10	15	<5	>10	<1	<1	4	13	0.10	<10	>10	78	<1	<0.01	<1	500	<2	30	<20	156	<0.01	<10	3	<10	<1	7
47	G44911	0.7	1.12	15	50	<5	2.34	<1	15	41	666	4.71	<10	0.77	509	149	0.07	6	820	6	<5	<20	37	0.09	<10	117	<10	14	58
48	G44912	0.7	1.38	<5	55	<5	0.68	<1	23	48	1017	6.54	<10	1.03	338	149	0.11	7	750	<2	<5	<20	15	0.20	<10	151	<10	12	57
49	G44913	0.6	0.91	<5	45	<5	0.99	<1	18	32	840	5.61	<10	0.51	254	91	0.10	6	810	<2	<5	<20	57	0.16	<10	96	<10	12	43
50	G44914	0.4	1.45	<5	55	<5	0.80	<1	17	54	745	5.51	<10	0.95	301	617	0.11	6	820	6	<5	<20	25	0.17	<10	152	<10	13	48
51	G44915	0.3	1.34	<5	50	<5	0.80	<1	21	54	512	5.84	<10	1.10	227	56	0.07	9	710	<2	<5	<20	24	0.12	<10	170	<10	7	43
52	G44916	0.6	1.39	10	50	<5	1.17	<1	22	37	605	5.04	<10	1.05	273	202	0.05	8	820	18	<5	<20	14	0.09	<10	155	<10	11	70
53	G44917	0.4	1.27	<5	45	<5	0.74	<1	24	65	575	5.39	<10	0.96	231	381	0.11	8	810	4	<5	<20	32	0.16	<10	156	<10	17	45

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G44863	0.2	1.40	15	85	<5	0.73	<1	12	215	214	2.60	<10	0.98	187	116	0.09	43	290	<2	<5	<20	28	0.13	<10	102	<10	11	39
10	G44872	<0.2	2.64	<5	100	<5	0.98	<1	18	147	161	3.49	<10	1.39	311	19	0.22	53	770	2	<5	<20	73	0.24	<10	189	<10	16	54
19	G44882	<0.2	3.18	10	80	<5	1.26	<1	22	204	205	3.68	<10	1.63	310	11	0.40	84	520	<2	<5	<20	94	0.22	<10	178	<10	23	71
36	G44899	0.2	2.45	<5	105	<5	0.95	<1	19	200	179	3.31	<10	1.10	277	8	0.34	59	460	<2	<5	<20	71	0.19	<10	157	<10	18	59

Resplit:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G44863	<0.2	1.45	20	85	<5	0.75	<1	13	202	250	2.88	<10	1.02	187	115	0.09	43	270	<2	<5	<20	27	0.13	<10	103	<10	10	35
36	G44899	<0.2	2.51	<5	105	<5	1.11	<1	19	182	159	3.34	<10	1.02	265	6	0.33	57	480	<2	<5	<20	79	0.18	<10	149	<10	17	59

Standard:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Pb106		>30	0.50	275	75	<5	1.63	34	3	43	6233	1.60	<10	0.18	576	35	0.02	7	280	5266	60	<20	134	<0.01	<10	13	10	<1	8355
Pb106		>30	0.52	270	75	<5	1.66	35	3	43	6298	1.62	<10	0.19	585	35	0.02	8	290	5286	60	<20	145	<0.01	<10	13	10	<1	8382

JJ/sa/kc
df/71
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0072

TTM Resources 19-Feb-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 53
Sample Type: Core
Project: CHU
Shipment #: 11
Submitted by: All North Cons.

ET #.	Tag #	Mo (%)
8	G44870	0.063
27	G44890	0.063
50	G44914	0.059
53	G44917	0.036

QC DATA:

Repeat:

50	G44914	0.06

Standard:

MP2	0.281

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kc
XLS/06

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-0071

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 54
Sample Type: Core
Project: CHU
Shipment #: 10
Submitted by: All North Cons.

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G44806	0.2	1.35	15	95	<5	0.65	<1	16	133	191	3.19	<10	1.00	236	656	0.06	44	450	6	<5	<20	17	0.15	<10	116	<10	10	54
2	G44807	0.2	1.16	10	95	<5	0.34	<1	17	189	325	3.52	<10	0.91	190	181	0.07	39	440	6	<5	<20	15	0.16	<10	115	<10	12	41
3	G44808	0.3	1.21	<5	70	<5	0.39	<1	23	178	500	4.53	<10	0.91	188	242	0.07	47	420	6	<5	<20	37	0.16	<10	119	<10	10	59
4	G44809	0.2	1.40	<5	105	<5	0.37	<1	16	159	325	3.16	<10	1.11	180	131	0.06	43	420	8	<5	<20	30	0.18	<10	141	<10	12	49
5	G44810	<0.2	0.05	5	10	<5	>10	<1	<1	5	7	0.09	<10	>10	71	<1	<0.01	<1	430	<2	30	<20	129	<0.01	<10	3	<10	1	6
6	G44811	<0.2	1.80	90	175	<5	0.68	<1	15	151	157	3.01	<10	1.19	206	198	0.10	44	480	8	<5	<20	54	0.19	<10	149	<10	13	38
7	G44812	<0.2	1.49	5	165	<5	0.55	<1	14	140	161	2.80	<10	1.14	198	74	0.05	45	500	8	<5	<20	14	0.17	<10	142	<10	13	38
8	G44813	<0.2	1.57	<5	215	<5	0.54	<1	13	130	115	2.82	<10	1.13	200	59	0.07	44	490	8	<5	<20	24	0.18	<10	146	<10	13	36
9	G44814	<0.2	1.42	<5	185	<5	0.23	<1	15	152	205	2.73	<10	1.09	183	108	0.05	43	350	6	<5	<20	9	0.20	<10	155	<10	11	38
10	G44815	<0.2	2.15	<5	230	<5	0.74	<1	16	151	137	2.93	<10	1.22	221	99	0.13	49	480	4	<5	<20	51	0.22	<10	156	<10	16	49
11	G44816	<0.2	1.61	<5	240	<5	0.37	<1	15	148	108	2.81	<10	1.16	190	202	0.05	43	420	6	<5	<20	13	0.21	<10	159	<10	13	33
12	G44817	<0.2	1.46	<5	195	<5	0.44	<1	14	134	128	2.94	<10	1.10	199	273	0.05	42	410	8	<5	<20	12	0.18	<10	133	<10	13	36
13	G44818	<0.2	2.16	5	145	<5	0.94	<1	17	160	232	3.51	<10	1.01	270	47	0.21	40	440	4	<5	<20	60	0.17	<10	110	<10	12	42
14	G44819	<0.2	1.86	15	155	<5	0.57	<1	17	162	240	3.31	<10	1.19	244	273	0.14	52	460	4	<5	<20	31	0.22	<10	162	<10	17	45
15	G44821	<0.2	1.91	<5	140	<5	0.61	<1	17	163	199	3.34	<10	1.22	253	90	0.12	56	460	6	<5	<20	60	0.19	<10	150	<10	14	42
16	G44822	<0.2	2.25	10	125	<5	1.01	<1	17	166	195	3.45	<10	1.24	260	121	0.16	52	410	4	<5	<20	64	0.17	<10	144	<10	14	50
17	G44823	<0.2	1.68	<5	115	<5	0.45	<1	19	144	270	3.99	<10	1.23	212	102	0.09	62	400	4	<5	<20	24	0.22	<10	173	<10	14	39
18	G44824	<0.2	1.90	5	195	<5	0.75	<1	15	101	144	3.13	<10	1.30	231	45	0.08	60	500	4	<5	<20	25	0.19	<10	172	<10	15	43
19	G44825	<0.2	0.06	5	15	<5	>10	<1	<1	7	8	0.10	<10	>10	71	<1	<0.01	<1	460	<2	40	<20	136	<0.01	<10	4	<10	2	6
20	G44826	0.2	2.18	55	90	<5	1.29	<1	21	148	311	4.12	<10	1.19	229	120	0.24	69	540	12	<5	<20	78	0.14	<10	139	<10	14	51
21	G44827	<0.2	2.65	15	120	<5	1.40	<1	18	146	271	3.92	<10	1.55	272	170	0.28	83	580	10	<5	<20	114	0.18	<10	198	<10	17	56
22	G44828	<0.2	2.57	200	145	<5	1.98	<1	17	132	213	3.51	<10	1.34	312	46	0.23	86	640	10	<5	<20	97	0.11	<10	165	<10	14	67
23	G44829	0.2	2.29	5	130	<5	1.21	<1	16	139	218	3.74	<10	1.59	325	77	0.17	72	600	8	<5	<20	50	0.17	<10	201	<10	19	60
24	G44830	<0.2	0.78	<5	125	<5	1.30	<1	7	17	121	2.44	20	0.49	620	639	0.04	14	700	10	<5	<20	121	0.02	<10	33	<10	17	73
25	G44831	<0.2	1.78	<5	155	<5	0.50	<1	17	132	189	3.53	<10	1.34	263	76	0.08	58	500	8	<5	<20	22	0.21	<10	163	<10	16	49
26	G44832	<0.2	2.22	<5	120	<5	0.83	2	16	138	274	3.52	<10	1.31	256	127	0.20	71	530	2	<5	<20	76	0.19	<10	200	<10	14	127
27	G44833	<0.2	2.16	5	150	<5	0.74	<1	16	165	201	3.54	<10	1.43	297	78	0.10	50	480	2	<5	<20	46	0.21	<10	198	<10	13	60
28	G44834	<0.2	2.16	<5	190	<5	0.65	<1	18	136	134	3.41	<10	1.39	321	43	0.09	59	500	6	<5	<20	48	0.24	<10	192	<10	11	57
29	G44835	<0.2	2.15	<5	145	<5	0.71	<1	19	172	279	3.63	<10	1.26	251	46	0.18	57	490	6	<5	<20	48	0.22	<10	175	<10	14	49
30	G44836	<0.2	2.20	<5	165	<5	0.61	<1	19	157	181	3.53	<10	1.26	249	49	0.16	56	440	8	<5	<20	36	0.22	<10	168	<10	15	47

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G44837	<0.2	1.89	<5	265	<5	0.32	<1	14	182	88	2.97	<10	1.25	213	57	0.08	43	380	2	<5	<20	13	0.22	<10	135	<10	9	46
32	G44838	<0.2	2.05	<5	130	<5	0.80	<1	18	172	251	3.76	<10	1.04	202	18	0.15	41	430	2	<5	<20	44	0.18	<10	123	<10	13	54
33	G44839	0.2	2.54	<5	150	<5	1.05	<1	21	209	441	4.10	<10	1.14	278	7	0.31	55	470	6	<5	<20	67	0.20	<10	124	<10	18	55
34	G44841	<0.2	2.62	<5	120	<5	1.29	<1	18	157	365	4.03	<10	1.02	257	32	0.37	72	620	6	<5	<20	73	0.18	<10	136	<10	16	61
35	G44842	<0.2	2.63	<5	185	<5	1.23	<1	17	176	233	3.45	<10	1.34	305	21	0.28	77	620	6	<5	<20	65	0.20	<10	173	<10	19	63
36	G44843	0.3	2.95	<5	140	<5	1.42	<1	20	161	236	3.84	<10	1.48	327	9	0.33	62	670	6	<5	<20	82	0.19	<10	156	<10	15	59
37	G44844	<0.2	4.43	10	125	<5	2.06	<1	22	273	373	4.24	<10	1.26	404	34	0.60	79	550	<2	<5	<20	131	0.17	<10	125	<10	15	77
38	G44845	<0.2	0.06	10	10	<5	>10	<1	<1	5	15	0.09	<10	>10	80	<1	<0.01	<1	380	<2	40	<20	172	<0.01	<10	4	<10	<1	7
39	G44846	<0.2	4.09	<5	155	<5	1.50	<1	19	178	270	3.74	<10	1.75	329	30	0.51	94	490	<2	<5	<20	96	0.21	<10	194	<10	17	54
40	G44847	<0.2	2.11	<5	270	<5	0.46	<1	16	165	116	2.81	<10	1.44	279	26	0.12	58	460	<2	<5	<20	24	0.18	<10	158	<10	14	43
41	G44848	<0.2	1.63	5	245	<5	0.37	<1	13	196	91	2.52	<10	1.13	223	16	0.08	41	350	4	<5	<20	16	0.15	<10	115	<10	12	46
42	G44849	0.5	3.22	25	185	<5	1.51	<1	14	172	422	3.12	<10	1.54	277	56	0.35	84	400	<2	<5	<20	70	0.14	<10	154	<10	15	57
43	G44850	<0.2	0.85	<5	135	<5	1.34	<1	7	18	135	2.50	20	0.54	646	646	0.05	15	700	10	<5	<20	139	0.02	<10	34	<10	21	72
44	G44851	<0.2	2.04	100	225	<5	0.76	<1	15	183	98	2.55	<10	1.21	294	37	0.16	61	370	2	<5	<20	40	0.16	<10	126	<10	12	51
45	G44852	<0.2	2.04	10	135	<5	0.74	<1	16	162	245	3.31	<10	1.21	294	25	0.18	56	420	<2	<5	<20	42	0.16	<10	146	<10	11	45
46	G44853	0.3	2.47	<5	85	<5	0.93	<1	27	93	702	5.87	<10	1.97	360	32	0.25	34	880	<2	<5	<20	53	0.27	<10	267	<10	18	72
47	G44854	0.7	2.32	<5	85	<5	0.87	<1	25	97	1078	5.62	<10	1.76	360	19	0.21	43	680	<2	<5	<20	40	0.25	<10	237	<10	13	69
48	G44855	<0.2	0.99	<5	90	<5	0.65	<1	11	169	270	2.52	<10	0.65	142	22	0.11	43	380	4	<5	<20	22	0.10	<10	83	<10	10	26
49	G44856	0.2	1.06	<5	75	<5	0.89	<1	10	143	344	2.48	<10	0.55	144	13	0.15	39	350	<2	<5	<20	32	0.08	<10	64	<10	8	25
50	G44857	<0.2	2.17	5	130	<5	1.20	<1	15	302	174	2.65	<10	1.04	221	27	0.27	64	540	6	<5	<20	54	0.14	<10	119	<10	14	42
51	G44858	<0.2	1.47	90	100	<5	1.51	<1	13	245	267	3.08	<10	0.84	226	171	0.16	56	450	4	<5	<20	54	0.09	<10	90	<10	12	47
52	G44859	0.6	1.62	10	90	<5	1.48	1	22	131	795	5.70	<10	1.37	322	128	0.10	36	510	<2	<5	<20	36	0.15	<10	159	<10	10	66
53	G44861	0.9	2.63	<5	110	<5	1.48	1	25	87	1166	6.09	<10	2.15	399	30	0.21	35	690	<2	<5	<20	70	0.25	<10	252	<10	15	109
54	G44862	0.2	1.83	<5	130	<5	0.99	2	13	264	334	2.76	<10	1.00	237	31	0.21	48	430	<2	<5	<20	53	0.12	<10	127	<10	14	73

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G44806	0.2	1.47	10	95	<5	0.65	<1	16	135	206	3.23	<10	1.08	239	666	0.07	43	430	8	<5	<20	18	0.16	<10	122	<10	9	50
10	G44815	<0.2	2.16	<5	225	<5	0.75	<1	15	153	136	2.96	<10	1.22	223	90	0.13	51	480	4	<5	<20	50	0.22	<10	158	<10	15	50
19	G44825	<0.2	0.06	5	15	<5	>10	<1	<1	7	9	0.09	<10	>10	71	<1	<0.01	<1	450	<2	40	<20	140	<0.01	<10	4	<10	<1	6
36	G44843	<0.2	2.82	<5	125	<5	1.42	<1	19	161	219	3.81	<10	1.43	323	11	0.31	62	660	2	<5	<20	74	0.19	<10	151	<10	14	60
45	G44852	0.2	2.32	5	130	<5	0.74	<1	16	162	291	3.34	<10	1.35	300	25	0.21	56	400	<2	<5	<20	50	0.17	<10	156	<10	10	41
54	G44862	0.2	1.72	<5	110	<5	0.99	1	13	262	310	2.76	<10	0.95	235	30	0.19	48	440	<2	<5	<20	47	0.12	<10	123	<10	12	78

Resplit:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G44806	0.2	1.69	15	105	<5	0.70	<1	18	143	239	3.57	<10	1.22	254	587	0.08	48	430	4	<5	<20	20	0.17	<10	135	<10	9	44
36	G44843	<0.2	2.82	<5	125	<5	1.30	<1	18	162	224	3.82	<10	1.37	307	13	0.33	65	650	<2	<5	<20	73	0.19	<10	149	<10	14	58

Standard:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Pb106		>30	0.49	270	75	<5	1.62	34	4	43	6308	1.68	<10	0.19	571	34	0.02	7	270	5292	60	<20	138	<0.01	<10	13	10	<1	8388
Pb106		>30	0.46	270	80	<5	1.67	33	4	43	6331	1.63	<10	0.18	557	30	0.02	7	280	5384	60	<20	143	<0.01	<10	13	10	<1	8427

JJ/sa/kc
df/71
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0071

TTM Resources 19-Feb-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 54
Sample Type: Core
Project: CHU
Shipment #: 10
Submitted by: All North Cons.

ET #.	Tag #	Mo (%)
1	G44806	0.068
24	G44830	0.063
43	G44850	0.064

QC DATA:

Resplit:

1	G44806	0.058

Standard:

MP2	0.281

JJ/kc
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007- 0061

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 49
Sample Type: Core
Project: CHU
Shipment #: 9
Submitted by: All North Cons.

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G44754	0.2	1.52	<5	75	<5	0.53	<1	19	149	277	3.62	<10	0.98	186	582	0.15	61	500	14	<5	<20	32	0.14	<10	125	<10	13	47
2	G44755	0.2	1.24	<5	105	<5	0.26	<1	17	139	207	3.25	<10	1.02	142	278	0.04	50	430	14	<5	<20	8	0.17	<10	170	<10	16	37
3	G44756	0.2	1.71	<5	130	<5	0.50	<1	16	144	212	3.43	<10	1.16	183	139	0.11	52	450	14	10	<20	25	0.17	<10	165	<10	15	50
4	G44757	0.7	2.03	<5	100	<5	1.13	<1	18	133	327	3.87	<10	0.93	202	215	0.26	60	620	14	<5	<20	77	0.11	<10	115	<10	11	56
5	G44758	0.2	1.90	<5	115	<5	0.68	<1	17	138	266	3.63	<10	1.10	188	153	0.17	54	440	16	<5	<20	39	0.16	<10	144	<10	15	53
6	G44759	0.2	2.19	<5	115	<5	1.18	<1	16	136	240	3.34	<10	0.98	275	187	0.24	53	700	16	<5	<20	58	0.13	<10	136	<10	13	53
7	G44761	0.3	1.12	<5	95	<5	1.43	<1	13	109	339	3.41	<10	0.67	215	74	0.07	34	460	8	<5	<20	67	0.08	<10	73	<10	7	37
8	G44762	0.2	0.85	<5	125	<5	0.70	<1	11	85	212	2.50	<10	0.71	174	214	0.05	19	700	8	<5	<20	21	0.09	<10	75	<10	11	34
9	G44763	0.2	1.06	<5	80	<5	0.58	<1	12	135	307	2.99	<10	0.83	147	141	0.08	30	320	10	<5	<20	20	0.07	<10	84	<10	8	31
10	G44764	0.5	0.72	<5	65	<5	0.46	<1	12	167	274	2.72	<10	0.55	134	391	0.05	30	350	10	<5	<20	15	0.07	<10	75	<10	10	36
11	G44765	<0.2	0.03	10	<5	<5	>10	<1	<1	4	8	0.09	<10	>10	76	2	<0.01	2	430	<2	40	<20	114	<0.01	<10	4	<10	<1	7
12	G44766	0.2	0.42	<5	50	<5	0.52	<1	7	129	206	1.97	<10	0.34	91	119	0.03	20	190	6	<5	<20	13	0.04	<10	41	<10	6	26
13	G44767	<0.2	1.84	<5	165	<5	0.50	<1	17	124	168	3.42	<10	1.18	200	98	0.09	58	420	12	<5	<20	57	0.17	<10	167	<10	13	50
14	G44768	0.2	1.75	<5	165	<5	0.41	<1	18	97	173	3.44	<10	1.23	268	83	0.08	53	640	14	5	<20	31	0.20	<10	154	<10	17	70
15	G44769	<0.2	2.03	<5	240	<5	0.45	<1	18	117	96	3.66	<10	1.37	348	112	0.05	57	450	14	5	<20	39	0.21	<10	170	<10	19	63
16	G44770	<0.2	0.67	<5	130	<5	1.27	<1	7	17	114	2.44	20	0.44	609	625	0.04	14	710	12	<5	<20	115	0.02	<10	30	<10	17	77
17	G44771	<0.2	1.79	<5	105	<5	0.73	<1	21	142	233	3.65	<10	1.03	234	134	0.15	61	430	12	<5	<20	51	0.15	<10	140	<10	14	42
18	G44772	<0.2	2.01	5	130	<5	0.82	<1	16	140	183	3.10	<10	1.09	171	155	0.19	55	610	14	<5	<20	58	0.16	<10	158	<10	16	38
19	G44773	0.2	3.21	10	145	<5	1.51	<1	23	158	254	4.31	10	1.31	257	313	0.39	84	610	28	<5	<20	121	0.16	<10	184	<10	19	62
20	G44774	0.2	2.20	<5	155	<5	1.38	<1	17	140	279	3.32	10	0.94	263	155	0.30	78	630	16	<5	<20	91	0.13	<10	142	<10	16	63
21	G44775	0.2	2.58	10	125	<5	1.80	<1	14	141	228	2.88	10	0.80	222	75	0.39	64	690	20	<5	<20	107	0.10	<10	107	<10	15	45
22	G44776	<0.2	1.88	<5	215	<5	0.79	<1	15	117	155	3.38	<10	1.26	237	313	0.13	56	600	16	10	<20	31	0.18	<10	168	<10	20	46
23	G44777	0.2	2.18	<5	105	<5	0.80	<1	21	126	266	4.79	10	1.22	233	133	0.20	77	520	14	<5	<20	51	0.19	<10	170	<10	17	50
24	G44778	<0.2	2.61	<5	215	<5	1.06	<1	17	138	151	3.54	<10	1.25	266	119	0.27	69	570	18	5	<20	73	0.18	<10	173	<10	19	52
25	G44779	0.2	2.31	<5	160	<5	4.40	<1	16	105	376	3.74	10	1.22	301	156	0.23	59	650	14	<5	<20	351	0.13	<10	134	<10	18	46
26	G44781	<0.2	2.00	<5	130	<5	0.76	<1	18	144	226	3.67	<10	1.21	237	240	0.14	70	530	18	5	<20	53	0.17	<10	155	<10	18	45
27	G44782	<0.2	1.86	<5	105	<5	0.72	<1	18	132	269	3.76	<10	1.15	245	606	0.13	70	480	16	<5	<20	85	0.18	<10	168	<10	17	51
28	G44783	<0.2	2.47	<5	265	<5	0.94	<1	16	152	97	3.28	<10	1.29	271	113	0.19	76	570	24	<5	<20	96	0.19	<10	162	<10	21	58
29	G44784	0.4	1.73	<5	120	<5	0.67	<1	21	121	419	4.83	<10	1.38	254	363	0.13	57	940	16	5	<20	77	0.16	<10	145	<10	16	58
30	G44785	<0.2	0.07	10	5	<5	>10	<1	<1	5	2	0.11	<10	>10	71	<1	<0.01	<1	360	<2	35	<20	104	<0.01	<10	4	<10	<1	4

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G44786	0.7	1.36	<5	110	<5	0.69	<1	23	53	723	5.54	10	1.43	290	153	0.08	20	1440	10	<5	<20	17	0.17	<10	142	<10	18	60
32	G44787	0.3	0.99	<5	90	<5	0.48	<1	21	165	383	4.43	<10	0.80	169	220	0.06	73	340	10	<5	<20	53	0.11	<10	98	<10	10	39
33	G44788	0.2	1.06	<5	115	<5	0.45	<1	14	197	199	2.89	<10	0.91	190	407	0.06	67	410	12	5	<20	30	0.12	<10	107	<10	15	44
34	G44789	0.3	1.02	5	100	<5	0.89	<1	16	180	322	3.08	<10	0.83	182	197	0.06	71	420	10	<5	<20	46	0.09	<10	108	<10	12	40
35	G44790	0.2	0.66	<5	115	<5	1.26	<1	7	17	105	2.42	20	0.40	598	620	0.03	14	720	16	<5	<20	101	0.02	<10	29	<10	16	85
36	G44791	0.4	1.08	<5	95	<5	0.43	<1	17	183	414	3.62	<10	0.77	185	83	0.08	76	320	12	<5	<20	20	0.12	<10	96	<10	11	47
37	G44792	0.6	0.92	<5	85	<5	0.50	<1	17	170	509	3.89	<10	0.55	163	85	0.09	54	400	8	<5	<20	28	0.10	<10	66	<10	8	38
38	G44793	0.2	1.27	<5	190	<5	0.37	<1	15	140	103	2.82	<10	0.91	227	335	0.05	44	380	18	<5	<20	22	0.18	<10	112	<10	16	74
39	G44794	0.4	1.36	<5	95	<5	0.53	<1	16	148	309	3.59	<10	0.95	248	166	0.08	43	450	14	<5	<20	25	0.14	<10	100	<10	13	57
40	G44795	0.3	1.45	5	110	<5	0.55	<1	17	162	259	3.47	<10	0.94	219	295	0.07	46	320	14	<5	<20	21	0.14	<10	105	<10	10	45
41	G44796	0.5	0.97	5	75	<5	1.06	<1	13	107	315	3.14	<10	0.77	224	447	0.04	27	760	12	<5	<20	27	0.08	<10	82	<10	9	40
42	G44797	0.4	1.21	<5	115	<5	0.56	<1	19	167	348	3.68	<10	0.78	298	155	0.08	38	650	14	<5	<20	24	0.15	<10	103	<10	18	55
43	G44798	0.5	1.45	<5	105	<5	0.63	<1	22	123	496	4.35	<10	1.11	260	202	0.08	47	1240	14	5	<20	20	0.15	<10	121	<10	11	64
44	G44799	0.4	1.33	<5	150	<5	0.43	<1	19	127	186	3.51	<10	0.96	240	167	0.07	47	490	12	<5	<20	20	0.18	<10	138	<10	16	58
45	G44801	0.2	1.21	<5	165	<5	0.38	<1	16	142	196	3.17	<10	0.87	225	217	0.08	42	410	10	<5	<20	20	0.17	<10	127	<10	15	61
46	G44802	0.3	1.43	<5	120	<5	0.54	<1	19	134	298	3.94	<10	1.25	255	152	0.06	49	1070	14	5	<20	28	0.18	<10	146	<10	17	68
47	G44803	0.2	1.24	<5	150	<5	0.44	<1	15	171	186	2.99	<10	0.94	249	277	0.05	43	420	12	<5	<20	48	0.16	<10	125	<10	16	52
48	G44804	<0.2	1.32	<5	140	<5	0.22	<1	15	144	107	2.85	<10	0.95	182	202	0.04	42	430	14	5	<20	10	0.18	<10	141	<10	14	38
49	G44805	<0.2	0.04	10	10	<5	>10	<1	<1	2	2	0.08	<10	>10	70	<1	<0.01	<1	370	<2	40	<20	108	<0.01	<10	3	<10	1	5

QC DATA:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Repeat:																													
1	G44754	0.2	1.53	<5	80	<5	0.50	<1	19	154	290	3.68	10	1.02	190	595	0.14	61	520	12	<5	<20	31	0.13	<10	128	<10	13	46
10	G44764	0.3	0.75	<5	60	<5	0.46	<1	12	166	289	2.75	<10	0.58	136	390	0.05	32	340	8	<5	<20	13	0.07	<10	77	<10	8	35
19	G44773	0.2	3.16	5	105	<5	1.49	<1	23	166	253	4.41	<10	1.32	261	323	0.38	86	610	24	10	<20	114	0.17	<10	187	<10	17	64
36	G44791	0.4	1.09	<5	95	<5	0.43	<1	17	184	408	3.59	<10	0.76	185	82	0.08	73	320	12	<5	<20	22	0.12	<10	96	<10	12	47
Resplit:																													
1	G44754	0.2	1.39	<5	70	<5	0.55	<1	27	145	315	3.79	<10	0.92	194	342	0.13	57	630	16	<5	<20	29	0.12	<10	117	<10	12	53
36	G44791	0.6	1.09	<5	85	<5	0.49	<1	19	202	479	4.22	<10	0.79	192	83	0.09	76	310	10	<5	<20	25	0.11	<10	95	<10	10	52
Standard:																													
PB106		>30	0.48	270	80	<5	1.65	31	3	43	6218	1.63	<10	0.16	542	32	<0.01	7	280	5366	60	<20	139	<0.01	<10	13	<10	<1	8374
PB106		>30	0.48	270	85	<5	1.67	32	4	43	6240	1.64	<10	0.16	549	31	0.01	7	270	5330	60	<20	140	<0.01	<10	13	<10	<1	8406

JJ/kc
df/61
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0061

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

8-Feb-07

Attention: Ken MacDonald

No. of samples received: 49
Sample Type: Core
Project: CHU
Shipment #: 9
Submitted by: All North Cons.

ET #.	Tag #	Mo (%)
1	G44754	0.059
16	G44770	0.064
27	G44782	0.061
35	G44790	0.063

QC DATA:

Repeat:

1	G44754	0.059

Standard:

MP2	0.277
MP2	0.276

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/dc
XLS/06

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007-59

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 78
Sample Type: Core
Project: CHU
Shipment #: 8
Submitted by: All North Cons.

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	44672	0.5	0.80	40	95	145	0.79	<1	11	197	297	3.29	<10	0.75	198	85	0.03	53	430	6	<5	<20	17	0.05	<10	101	30	7	87
2	44673	<0.2	1.23	20	215	<5	0.42	<1	13	167	128	2.76	<10	0.94	172	34	0.05	66	330	6	<5	<20	69	0.12	<10	159	<10	8	35
3	44674	<0.2	1.53	20	175	<5	0.81	<1	18	176	166	3.37	<10	1.05	234	247	0.03	65	390	12	<5	<20	31	0.13	<10	151	<10	10	47
4	44675	0.2	1.21	25	230	<5	0.52	<1	12	111	102	2.90	<10	0.95	181	102	0.02	64	440	14	<5	<20	16	0.07	<10	131	<10	5	54
5	44676	<0.2	1.39	30	320	<5	0.49	<1	13	126	90	3.06	<10	1.04	169	158	0.04	63	470	10	<5	<20	28	0.13	<10	163	<10	9	41
6	44677	<0.2	1.59	25	245	<5	0.86	<1	14	124	118	3.18	<10	1.07	178	54	0.06	55	390	10	<5	<20	129	0.13	<10	150	<10	9	36
7	44678	0.2	1.89	25	150	<5	0.79	<1	15	71	292	4.00	<10	1.41	225	75	0.07	42	250	8	<5	<20	37	0.12	<10	90	<10	4	66
8	44679	<0.2	1.98	25	240	<5	1.22	<1	15	129	132	3.32	<10	1.21	242	80	0.17	71	540	14	15	<20	53	0.12	<10	138	<10	11	42
9	44681	<0.2	1.93	10	305	<5	0.61	<1	18	151	119	3.62	<10	1.18	260	37	0.19	76	570	14	5	<20	36	0.20	<10	190	<10	14	43
10	44682	<0.2	1.56	20	130	<5	0.97	<1	15	145	193	3.41	<10	1.05	232	80	0.12	66	520	10	<5	<20	98	0.13	<10	143	<10	12	43
11	44683	<0.2	1.47	35	175	<5	1.04	<1	13	134	127	2.92	<10	0.89	225	88	0.12	58	590	10	<5	<20	53	0.14	<10	143	<10	13	34
12	44684	<0.2	1.47	<5	155	<5	0.60	<1	17	127	193	3.75	<10	1.04	257	130	0.08	64	540	10	5	<20	42	0.14	<10	146	<10	11	51
13	44685	<0.2	0.03	10	15	<5	>10	<1	<1	5	6	0.07	<10	>10	61	<1	<0.01	<1	380	<2	30	<20	96	<0.01	<10	2	<10	<1	7
14	44686	0.2	1.66	<5	70	<5	0.87	<1	24	112	318	5.52	<10	1.09	244	65	0.07	75	620	10	<5	<20	65	0.16	<10	141	<10	8	57
15	44687	<0.2	2.20	10	315	<5	1.16	<1	16	172	107	3.27	<10	0.81	392	23	0.21	74	590	18	<5	<20	69	0.15	<10	122	<10	12	71
16	44688	<0.2	1.65	15	340	<5	0.65	<1	15	136	64	3.29	<10	0.96	291	6	0.12	76	500	14	<5	<20	38	0.18	<10	157	<10	13	58
17	44689	<0.2	1.79	30	170	<5	1.12	<1	17	164	84	3.78	<10	1.10	313	938	0.14	81	460	12	<5	<20	33	0.14	<10	144	<10	9	58
18	44690	0.2	0.63	<5	130	<5	1.35	<1	7	18	114	2.58	10	0.41	622	640	0.05	14	730	14	<5	<20	108	0.03	<10	30	<10	17	84
19	44691	0.2	2.05	<5	90	<5	1.23	<1	20	163	284	4.33	<10	0.83	312	60	0.32	84	830	14	<5	<20	67	0.13	<10	120	<10	13	74
20	44692	<0.2	1.77	5	315	<5	0.60	<1	17	194	120	3.57	<10	0.99	307	74	0.17	90	630	10	<5	<20	30	0.20	<10	167	<10	16	75
21	44693	0.2	1.65	5	225	<5	0.70	<1	15	151	128	3.44	<10	1.00	298	83	0.13	77	540	12	<5	<20	28	0.17	<10	161	<10	16	117
22	44694	<0.2	2.12	15	260	<5	1.02	<1	17	146	92	3.73	<10	1.00	345	56	0.19	69	630	18	<5	<20	59	0.17	<10	169	<10	16	90
23	44695	<0.2	1.54	55	245	<5	0.70	<1	14	124	89	3.30	<10	1.04	269	41	0.07	68	550	12	<5	<20	24	0.15	<10	149	<10	13	53
24	44696	0.2	1.68	75	200	<5	1.51	<1	11	127	151	3.10	<10	0.98	368	209	0.09	61	570	18	<5	<20	47	0.10	<10	120	<10	12	83
25	44697	0.3	1.59	15	160	<5	1.05	<1	16	129	182	3.59	<10	0.86	240	221	0.07	70	390	16	<5	<20	36	0.15	<10	129	<10	7	48
26	44698	0.2	1.65	10	255	<5	0.62	<1	17	158	157	3.51	<10	0.96	243	30	0.12	78	550	18	<5	<20	30	0.17	<10	151	<10	11	51
27	44699	<0.2	2.03	15	340	<5	1.00	<1	16	149	141	3.65	<10	1.10	355	36	0.22	76	690	20	<5	<20	47	0.19	<10	166	<10	16	71
28	44701	<0.2	1.96	20	350	<5	1.08	<1	12	157	74	3.13	<10	1.02	345	85	0.15	65	520	16	10	<20	75	0.14	<10	144	<10	10	70
29	44702	0.2	1.63	250	220	<5	1.00	<1	15	129	149	3.19	<10	0.97	247	68	0.11	64	560	18	10	<20	42	0.12	<10	143	<10	12	68
30	44703	<0.2	1.41	50	270	<5	0.55	<1	15	157	114	3.27	<10	0.93	260	109	0.10	76	640	16	<5	<20	23	0.17	<10	170	<10	14	66

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	44704	0.2	0.89	15	110	<5	0.94	<1	9	156	155	2.26	<10	0.53	177	90	0.10	48	440	12	<5	<20	36	0.04	<10	83	<10	9	68
32	44705	<0.2	0.03	10	20	<5	>10	<1	<1	5	7	0.09	<10	>10	66	<1	<0.01	<1	370	<2	35	<20	102	<0.01	<10	3	<10	<1	8
33	44706	<0.2	1.26	50	180	<5	1.12	<1	14	146	169	3.35	<10	0.95	245	182	0.07	76	580	12	<5	<20	50	0.09	<10	133	<10	9	61
34	44707	0.5	0.76	15	80	<5	1.16	<1	18	118	472	5.01	<10	0.53	154	3791	0.06	60	340	8	<5	<20	44	0.04	<10	79	<10	1	50
35	44708	0.2	0.72	<5	135	<5	0.69	<1	11	176	180	2.94	<10	0.50	129	64	0.07	55	320	10	<5	<20	25	0.06	<10	72	<10	6	37
36	44709	0.2	0.59	<5	185	<5	0.58	<1	12	129	135	2.48	<10	0.47	152	14	0.07	50	750	8	<5	<20	21	0.09	<10	69	<10	10	47
37	44710	0.2	0.61	5	140	<5	1.36	<1	6	18	102	2.64	10	0.38	621	639	0.04	16	740	14	<5	<20	94	0.02	<10	30	<10	15	92
38	44711	0.5	0.88	<5	95	<5	1.79	<1	19	92	445	4.09	<10	0.98	270	10	0.04	55	1960	8	<5	<20	53	0.08	<10	71	<10	4	80
39	44712	<0.2	1.04	5	240	<5	0.42	<1	11	175	99	2.57	<10	0.76	183	12	0.06	63	420	10	5	<20	17	0.12	<10	117	<10	10	62
40	44713	<0.2	2.93	10	435	<5	1.64	<1	16	129	71	3.89	<10	1.12	398	2	0.31	69	680	28	<5	<20	155	0.18	<10	166	<10	14	98
41	44714	0.2	2.37	15	210	<5	1.76	<1	17	147	123	3.78	<10	0.86	317	7	0.25	70	530	26	<5	<20	105	0.12	<10	137	<10	10	130
42	44715	0.2	2.04	10	160	<5	1.74	<1	16	163	138	3.20	<10	0.52	305	29	0.39	67	680	24	<5	<20	127	0.11	<10	110	<10	11	67
43	44716	0.2	1.48	10	160	<5	1.14	<1	18	151	184	3.62	<10	0.49	277	322	0.27	72	620	22	<5	<20	62	0.12	<10	104	<10	10	68
44	44717	<0.2	1.87	10	240	<5	1.18	<1	16	140	108	3.54	<10	0.87	342	19	0.25	55	510	26	<5	<20	72	0.15	<10	135	<10	13	79
45	44718	<0.2	1.29	10	135	<5	1.28	<1	12	130	168	3.35	<10	0.46	222	12	0.16	43	440	16	<5	<20	51	0.09	<10	92	<10	9	57
46	44719	<0.2	0.43	<5	60	<5	0.72	<1	8	118	159	2.38	<10	0.19	142	12	0.05	25	210	6	<5	<20	13	0.05	<10	42	<10	6	47
47	44721	<0.2	0.93	5	125	<5	1.09	3	11	162	153	2.74	<10	0.33	200	12	0.16	41	380	12	<5	<20	38	0.08	<10	63	<10	8	210
48	44722	<0.2	0.94	5	200	<5	0.93	<1	8	140	59	1.95	<10	0.45	200	2	0.14	40	430	14	<5	<20	31	0.11	<10	79	<10	10	48
49	44723	<0.2	1.00	<5	170	<5	0.87	<1	8	146	57	1.96	<10	0.42	190	<1	0.15	39	430	14	<5	<20	29	0.10	<10	70	<10	8	55
50	44724	<0.2	0.72	<5	80	<5	1.73	<1	9	102	107	2.12	<10	0.17	183	2	0.13	37	430	12	<5	<20	45	0.06	<10	36	20	7	35
51	44725	<0.2	0.03	10	15	<5	>10	<1	<1	12	14	0.09	<10	>10	82	<1	<0.01	<1	430	<2	30	<20	83	<0.01	<10	2	<10	<1	15
52	44726	<0.2	0.92	<5	150	<5	1.43	<1	15	143	171	3.24	<10	0.53	255	3	0.10	55	490	14	<5	<20	36	0.10	<10	92	<10	9	58
53	44727	<0.2	0.97	5	130	<5	1.62	<1	11	153	106	2.50	<10	0.33	217	1	0.12	45	450	16	<5	<20	52	0.09	<10	69	<10	7	44
54	44728	<0.2	1.26	10	175	<5	1.10	<1	10	160	106	2.45	<10	0.48	198	2	0.21	44	450	16	<5	<20	49	0.11	<10	82	<10	11	57
55	44729	<0.2	1.77	10	685	<5	0.58	<1	15	150	44	3.59	<10	0.88	343	<1	0.10	72	640	24	5	<20	25	0.19	<10	164	<10	12	139
56	44730	0.2	0.57	5	135	<5	1.38	<1	7	19	96	2.69	<10	0.36	627	637	0.04	16	780	18	<5	<20	89	0.02	<10	29	<10	16	105
57	44731	<0.2	1.27	35	330	<5	0.82	<1	14	241	63	2.50	<10	0.51	242	<1	0.13	75	480	24	<5	<20	30	0.15	<10	119	<10	12	103
58	44732	<0.2	0.91	10	130	<5	0.76	<1	10	149	127	2.67	<10	0.42	157	14	0.11	48	360	12	<5	<20	29	0.07	<10	73	<10	6	57
59	44733	<0.2	1.23	5	205	<5	1.10	<1	11	169	105	2.68	<10	0.66	173	12	0.13	55	430	18	<5	<20	37	0.12	<10	97	<10	8	73
60	44734	<0.2	1.48	10	460	<5	0.55	<1	12	168	52	3.22	<10	0.87	258	<1	0.08	64	560	24	<5	<20	17	0.17	<10	124	<10	9	113
61	44735	<0.2	1.80	<5	540	<5	0.56	<1	10	184	59	2.66	10	1.08	273	<1	0.07	61	540	12	15	<20	21	0.15	<10	136	<10	19	83
62	44736	<0.2	1.68	10	360	<5	1.41	<1	9	153	60	2.29	10	0.89	259	21	0.04	56	410	12	5	<20	61	0.11	<10	115	<10	14	61
63	44737	<0.2	1.49	10	175	<5	0.99	<1	10	149	124	2.23	10	0.58	189	2	0.21	42	420	12	<5	<20	62	0.10	<10	86	<10	16	42
64	44738	<0.2	2.27	10	215	<5	0.98	<1	14	127	107	2.87	10	0.89	295	<1	0.17	57	560	14	<5	<20	225	0.15	<10	124	<10	17	152
65	44739	0.2	1.35	<5	160	<5	0.62	<1	10	138	109	2.28	<10	0.65	177	25	0.13	44	270	10	<5	<20	68	0.10	<10	83	<10	12	37
66	44741	<0.2	1.32	<5	100	<5	0.74	<1	12	107	305	3.38	10	0.75	154	12	0.11	40	370	8	<5	<20	78	0.06	<10	80	<10	4	36
67	44742	<0.2	1.20	5	100	<5	1.26	<1	8	133	158	2.08	10	0.56	149	96	0.09	32	300	8	<5	<20	69	0.05	<10	72	<10	8	30
68	44743	0.2	1.41	<5	125	<5	1.26	<1	11	108	180	2.70	10	0.87	226	29	0.08	51	450	12	5	<20	68	0.06	<10	94	<10	12	45
69	44744	<0.2	1.17	10	95	<5	1.11	<1	11	116	226	2.91	10	0.76	178	31	0.08	39	460	8	10	<20	54	0.04	<10	69	<10	6	47
70	44745	<0.2	1.05	25	85	<5	1.15	<1	8	88	137	1.86	<10	0.50	141	27	0.09	40	360	8	<5	<20	58	0.03	<10	59	<10	8	31

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
71	44746	0.2	1.66	5	90	<5	1.57	<1	12	110	210	2.73	<10	0.66	169	17	0.20	37	360	24	<5	<20	100	0.06	<10	72	<10	8	34
72	44747	<0.2	1.50	10	115	<5	1.08	<1	15	145	191	2.80	<10	0.66	161	5	0.18	49	370	20	<5	<20	75	0.08	<10	95	<10	9	32
73	44748	<0.2	1.39	<5	140	<5	0.82	<1	14	153	151	2.66	<10	0.67	177	<1	0.18	45	460	20	<5	<20	52	0.11	<10	112	<10	11	39
74	44749	<0.2	1.52	<5	160	<5	0.91	<1	14	182	138	2.57	<10	0.60	165	<1	0.20	45	470	22	<5	<20	54	0.11	<10	111	<10	13	33
75	44750	<0.2	0.72	<5	130	<5	1.29	<1	7	19	115	2.48	20	0.46	602	617	0.04	14	750	20	<5	<20	118	0.02	<10	31	<10	20	73
76	44751	<0.2	2.34	<5	165	<5	1.34	<1	18	151	160	3.21	<10	0.84	236	2	0.30	54	580	30	<5	<20	81	0.14	<10	134	<10	13	46
77	44752	<0.2	1.93	15	205	<5	1.04	<1	15	176	115	2.81	<10	0.81	259	11	0.24	62	640	30	<5	<20	62	0.14	<10	129	<10	18	52
78	44753	<0.2	2.81	30	210	<5	1.59	<1	15	132	124	2.94	<10	0.91	362	7	0.32	77	530	32	<5	<20	92	0.13	<10	121	<10	11	67

QC DATA:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Repeat:																													
1	44672	0.5	0.77	35	95	145	0.80	<1	11	195	284	3.33	<10	0.72	200	86	0.03	55	450	8	<5	<20	17	0.05	<10	99	30	7	91
10	44682	<0.2	1.52	15	135	<5	0.96	<1	15	145	189	3.40	<10	1.04	233	84	0.11	66	520	12	<5	<20	97	0.12	<10	143	<10	11	44
19	44691	0.2	1.91	5	100	<5	1.22	<1	20	165	263	4.39	<10	0.78	312	58	0.28	86	840	16	<5	<20	60	0.12	<10	117	<10	12	83
36	44709	0.2	0.55	<5	170	<5	0.57	<1	12	127	131	2.55	<10	0.45	153	14	0.05	50	780	10	<5	<20	20	0.09	<10	68	<10	7	51
45	44718	<0.2	1.25	<5	135	<5	1.26	<1	12	128	165	3.37	<10	0.45	221	11	0.15	44	450	16	<5	<20	49	0.09	<10	90	<10	6	58
54	44728	<0.2	1.11	10	175	<5	1.07	<1	11	157	94	2.44	<10	0.43	192	2	0.18	47	480	20	<5	<20	43	0.10	<10	77	<10	9	63
Resplit:																													
1	44672	0.5	0.71	45	95	150	0.76	<1	13	196	252	3.50	<10	0.65	187	84	0.03	60	390	8	<5	<20	16	0.04	<10	95	20	6	104
36	44709	0.2	0.49	<5	170	<5	0.60	<1	12	116	125	2.48	<10	0.43	145	10	0.04	53	800	10	<5	<20	18	0.08	<10	67	<10	6	52
71	44746	<0.2	1.68	10	80	<5	1.51	<1	13	107	225	2.79	<10	0.66	165	19	0.20	38	340	18	<5	<20	93	0.06	<10	70	<10	6	32
Standard:																													
Pb106		>30	0.47	270	80	<5	1.64	32	4	44	6209	1.60	<10	0.15	556	34	0.02	7	280	5308	55	<20	131	<0.01	<10	13	10	<1	8364
Pb106		>30	0.49	270	75	<5	1.62	32	4	43	6298	1.69	<10	0.14	547	33	0.02	7	280	5292	55	<20	135	<0.01	<10	13	10	<1	8379
Pb106		>30	0.50	270	75	<5	1.66	32	4	43	6275	1.63	<10	0.14	556	34	0.02	7	270	5254	55	<20	139	<0.01	<10	13	10	<1	8419

JJ/kc
df/2315b
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0059

TTM Resources 20-Feb-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 78
Sample Type: Core
Project: CHU
Shipment #: 8
Submitted by: All North Cons.

ET #.	Tag #	Mo (%)
19	44691	0.007
34	44707	0.400
35	44708	0.007

QC DATA:

Standard:	
MP2	0.275
MP2	0.284

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sa
XLS/07

CERTIFICATE OF ASSAY AK 2007-0059

TTM Resources 8-Feb-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 78
Sample Type: Core
Project: CHU
Shipment #: 8
Submitted by: All North Cons.

ET #.	Tag #	Mo (%)
17	44689	0.095
18	44690	0.063
34	44707	0.403
37	44710	0.064
56	44730	0.065
75	44750	0.064

QC DATA:

Repeat:

17	44689	0.097
34	44707	0.402

Standard:

MP2	0.277
MP2	0.280

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kk
XLS/06

CERTIFICATE OF ASSAY AK 2007-0037

TTM Resources
520-700W Pender Street
Vancouver, BC
V6C 1G8

20-Feb-07

Attention: Ken MacDonald

No. of samples received: 54
Sample Type: Core
Project: CHU
Shipment #: 7
Submitted by: All North Cons.

ET #.	Tag #		Mo (%)
8	44621	Resplit	0.013
9	44622	Resplit	0.025
14	44627	Resplit	0.035
22	44635	Resplit	0.005
24	44637	Resplit	0.009
41	44655	Resplit	0.029
42	44656	Resplit	0.020
43	44657	Resplit	0.009
46	44663	Resplit	0.036
50	44667	Resplit	0.015

QC DATA:

Standard:

MP2	0.281
MP2	0.283

JJ/kk
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

7-Feb-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007- 0037

TTM Resources
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

Attention: Ken MacDonald

No. of samples received: 54
Sample Type: Core
Project: CHU
Shipment #: 7
Submitted by: All North Cons.

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	44613	0.4	1.55	35	80	<5	0.94	1	12	126	214	3.24	<10	0.77	266	87	0.08	43	440	4	<5	<20	45	0.09	<10	68	<10	5	93
2	44614	0.2	2.20	20	80	<5	0.94	<1	15	126	228	3.96	<10	1.17	245	162	0.15	64	560	<2	<5	<20	56	0.18	<10	130	<10	6	69
3	44615	0.3	2.12	20	65	<5	1.91	1	11	113	393	4.52	<10	1.20	313	1067	0.14	58	700	<2	<5	<20	65	0.12	<10	119	<10	11	106
4	44616	<0.2	2.10	20	110	<5	0.53	<1	14	104	115	3.43	<10	1.19	200	39	0.09	53	490	<2	<5	<20	30	0.18	<10	109	<10	3	37
5	44617	<0.2	2.37	20	135	<5	0.47	<1	15	112	110	3.57	<10	1.30	266	107	0.10	53	490	<2	<5	<20	28	0.23	<10	125	<10	3	49
6	44618	<0.2	2.12	20	130	<5	0.34	<1	16	101	127	3.61	<10	1.31	282	65	0.06	52	470	<2	<5	<20	15	0.24	<10	125	<10	3	40
7	44619	0.2	1.42	15	65	<5	0.72	<1	15	149	345	4.09	<10	0.75	195	222	0.11	51	480	<2	<5	<20	33	0.13	<10	76	<10	7	40
8	44621	<0.2	2.52	20	95	<5	0.95	<1	15	116	193	3.68	<10	1.20	195	112	0.19	63	600	<2	<5	<20	55	0.18	<10	138	<10	6	43
9	44622	<0.2	3.55	30	80	<5	2.07	<1	15	136	263	4.14	<10	1.12	284	238	0.29	78	640	<2	<5	<20	152	0.16	<10	122	<10	8	56
10	44623	<0.2	3.05	30	80	<5	1.45	<1	15	131	243	3.93	<10	1.10	286	241	0.28	69	640	<2	<5	<20	108	0.18	<10	129	<10	7	53
11	44624	<0.2	2.48	20	90	<5	1.22	<1	13	135	145	3.42	<10	0.99	218	40	0.21	54	620	<2	<5	<20	77	0.15	<10	111	<10	5	41
12	44625	<0.2	0.04	<5	25	<5	>10	<1	<1	3	6	0.09	<10	9.10	59	<1	<0.01	2	350	<2	<5	<20	89	<0.01	<10	<1	<10	1	5
13	44626	<0.2	2.29	20	90	<5	0.99	<1	14	121	225	3.52	<10	1.12	229	86	0.17	59	520	<2	<5	<20	61	0.17	<10	118	<10	6	42
14	44627	<0.2	2.46	30	90	<5	1.27	<1	15	135	199	3.98	<10	1.20	271	260	0.18	67	540	<2	<5	<20	74	0.17	<10	110	<10	7	50
15	44628	0.4	1.55	15	70	<5	0.82	<1	17	76	334	4.67	<10	1.20	318	26	0.09	39	1250	<2	<5	<20	25	0.20	<10	96	<10	7	63
16	44629	<0.2	2.20	20	105	<5	0.81	<1	14	141	120	3.44	<10	1.13	273	21	0.14	72	530	<2	<5	<20	50	0.20	<10	108	<10	6	52
17	44630	<0.2	0.76	10	115	<5	1.46	<1	4	16	86	2.41	10	0.40	697	610	0.04	17	780	8	<5	<20	131	0.02	<10	22	<10	12	89
18	44631	0.3	1.96	25	120	<5	0.85	<1	11	144	134	2.67	<10	0.91	328	32	0.13	58	460	<2	<5	<20	60	0.15	<10	87	<10	5	34
19	44632	0.3	1.69	15	115	<5	0.68	<1	14	158	163	3.27	<10	0.89	317	60	0.08	38	610	<2	<5	<20	35	0.17	<10	86	<10	5	44
20	44633	<0.2	1.91	15	130	<5	0.60	<1	14	108	104	3.12	<10	0.99	264	85	0.08	44	500	<2	<5	<20	35	0.19	<10	99	<10	4	36
21	44634	<0.2	1.78	15	115	<5	0.54	<1	15	126	145	3.56	<10	0.89	259	67	0.09	45	510	<2	<5	<20	28	0.21	<10	90	<10	4	39
22	44635	<0.2	1.96	15	110	<5	0.63	<1	15	116	135	3.43	<10	0.95	221	33	0.12	42	470	<2	<5	<20	38	0.19	<10	102	<10	4	36
23	44636	<0.2	2.06	20	115	<5	0.82	<1	14	139	103	3.07	<10	0.95	249	69	0.12	43	600	<2	<5	<20	57	0.19	<10	102	<10	4	54
24	44637	<0.2	1.64	15	125	<5	0.42	<1	14	131	105	3.02	<10	0.93	236	84	0.07	40	460	<2	<5	<20	21	0.20	<10	93	<10	4	37
25	44638	0.2	2.31	25	120	<5	1.44	<1	15	139	171	3.50	<10	1.05	269	33	0.12	55	520	<2	<5	<20	80	0.18	<10	112	<10	5	44
26	44639	0.4	1.77	20	90	<5	1.06	<1	14	105	283	3.68	<10	1.08	254	13	0.07	52	600	<2	<5	<20	42	0.15	<10	97	<10	6	42
27	44641	1.1	0.96	10	55	<5	1.21	<1	19	114	818	6.45	<10	0.48	220	4675	0.05	62	330	<2	<5	<20	28	0.07	<10	39	<10	5	46
28	44642	<0.2	2.92	25	115	<5	1.47	<1	16	124	137	3.60	<10	1.14	307	59	0.23	61	630	<2	<5	<20	90	0.22	<10	119	<10	7	51
29	44643	0.2	2.88	25	90	<5	1.39	<1	18	122	195	4.31	<10	1.12	349	76	0.23	84	670	<2	<5	<20	91	0.21	<10	121	<10	8	64
30	44644	0.2	3.10	30	80	<5	1.84	<1	18	128	262	4.60	<10	1.15	400	153	0.25	77	590	<2	<5	<20	106	0.20	<10	129	<10	9	68

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007- 0037** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	44645	<0.2	0.03	<5	25	<5	>10	<1	<1	5	2	0.07	<10	9.80	63	<1	<0.01	2	280	<2	<5	<20	92	<0.01	<10	<1	<10	1	4
32	44646	0.3	2.57	25	80	<5	1.42	<1	18	128	311	4.42	<10	1.15	300	259	0.22	77	590	<2	<5	<20	85	0.19	<10	126	<10	9	55
33	44647	<0.2	2.34	20	85	<5	1.07	<1	14	140	175	3.83	<10	1.17	316	816	0.19	71	600	<2	<5	<20	66	0.22	<10	128	<10	9	59
34	44648	<0.2	2.19	20	125	<5	0.77	<1	17	128	156	3.92	<10	1.21	308	40	0.16	68	590	<2	<5	<20	53	0.24	<10	132	<10	7	57
35	44649	0.2	2.81	25	80	<5	1.37	<1	19	131	307	4.63	<10	1.30	393	42	0.25	89	620	<2	<5	<20	103	0.23	<10	143	<10	10	77
36	44650	<0.2	0.75	10	135	<5	1.36	<1	4	17	110	2.46	20	0.47	617	615	0.05	18	710	6	<5	<20	128	0.02	<10	27	<10	15	69
37	44651	<0.2	2.66	25	110	<5	1.23	<1	18	136	251	3.98	<10	1.40	328	40	0.31	81	610	<2	<5	<20	105	0.20	<10	166	<10	12	56
38	44652	0.2	2.14	20	75	<5	1.16	<1	19	138	407	4.43	<10	1.34	268	59	0.22	76	600	<2	<5	<20	75	0.17	<10	161	<10	13	46
39	44653	0.3	2.24	25	75	<5	1.30	<1	17	128	295	4.18	<10	1.34	307	269	0.21	81	580	<2	<5	<20	68	0.17	<10	154	<10	13	56
40	44654	0.2	1.75	15	65	<5	0.90	<1	17	141	383	3.94	<10	1.09	230	231	0.18	52	580	<2	<5	<20	59	0.17	<10	128	<10	10	44
41	44655	0.2	1.08	10	85	<5	0.65	<1	12	171	275	2.89	<10	0.80	165	294	0.09	51	470	<2	<5	<20	33	0.13	<10	102	<10	10	31
42	44656	0.2	1.06	10	90	<5	0.53	<1	13	182	252	2.85	<10	0.86	153	168	0.08	53	550	<2	<5	<20	23	0.13	<10	119	<10	9	27
43	44657	0.3	1.13	10	55	<5	0.73	<1	15	137	497	4.20	<10	0.81	151	80	0.12	51	550	<2	<5	<20	61	0.09	<10	91	<10	8	29
44	44658	0.2	1.45	10	95	<5	0.64	<1	15	227	279	3.19	<10	1.00	183	62	0.12	63	510	<2	<5	<20	41	0.15	<10	117	<10	9	34
45	44659	<0.2	3.02	25	80	<5	1.30	<1	21	167	242	4.00	<10	1.51	278	32	0.38	92	630	<2	<5	<20	108	0.22	<10	155	<10	11	49
46	44663	<0.2	2.83	25	80	<5	1.21	<1	21	174	275	3.96	<10	1.50	263	333	0.32	94	570	<2	<5	<20	135	0.21	<10	135	<10	10	48
47	44664	<0.2	2.29	20	140	<5	0.90	<1	17	173	177	3.40	<10	1.56	256	62	0.21	76	580	<2	<5	<20	64	0.22	<10	153	<10	11	43
48	44665	<0.2	0.03	<5	30	<5	>10	<1	<1	5	4	0.05	<10	9.44	46	<1	0.01	2	250	<2	<5	<20	75	<0.01	<10	<1	<10	1	4
49	44666	0.2	1.24	10	80	<5	0.78	<1	15	184	365	3.45	<10	1.03	188	39	0.12	67	580	<2	<5	<20	37	0.16	<10	116	<10	10	32
50	44667	<0.2	1.97	35	115	<5	1.97	<1	14	161	213	3.06	<10	1.18	252	179	0.17	77	470	<2	<5	<20	102	0.08	<10	104	<10	9	41
51	44668	<0.2	2.57	25	75	<5	1.80	<1	22	166	257	4.16	<10	1.53	330	130	0.27	95	530	<2	<5	<20	115	0.16	<10	123	<10	12	53
52	44669	<0.2	2.71	25	105	<5	0.96	<1	17	165	180	3.73	<10	1.68	274	43	0.24	76	550	<2	<5	<20	97	0.22	<10	158	<10	10	49
53	44670	<0.2	0.78	10	140	<5	1.43	<1	4	17	117	2.55	20	0.49	626	612	0.05	18	730	6	<5	<20	133	0.02	<10	28	<10	15	70
54	44671	0.2	1.62	15	65	<5	0.87	<1	15	175	237	3.34	<10	1.13	254	65	0.16	69	600	<2	<5	<20	47	0.15	<10	117	<10	11	45

QC DATA:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	44613	0.4	1.59	35	65	<5	0.97	1	12	131	216	3.33	<10	0.79	276	93	0.08	45	460	<2	<5	<20	47	0.09	<10	70	<10	5	97
10	44623	<0.2	3.04	30	75	<5	1.48	<1	14	126	233	3.88	<10	1.08	284	233	0.28	68	630	<2	<5	<20	112	0.18	<10	125	<10	8	53
19	44632	0.3	1.69	15	105	<5	0.70	<1	14	162	159	3.28	<10	0.89	322	68	0.09	38	620	<2	<5	<20	35	0.18	<10	85	<10	6	45
37	44651	0.2	2.78	25	110	<5	1.26	<1	18	138	255	4.11	<10	1.45	329	42	0.33	82	620	<2	<5	<20	110	0.21	<10	172	<10	12	56
45	44659	<0.2	3.03	25	90	<5	1.35	<1	21	167	240	3.95	<10	1.49	277	39	0.40	92	630	<2	<5	<20	112	0.22	<10	154	<10	11	49

Resplit:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	44613	0.4	1.50	30	75	<5	0.95	1	12	122	200	3.36	<10	0.80	280	87	0.07	45	450	<2	<5	<20	45	0.09	<10	70	<10	5	87
37	44651	0.2	2.88	20	90	<5	1.09	<1	18	133	344	4.15	<10	1.35	301	37	0.20	74	600	<2	<5	<20	94	0.19	<10	160	<10	13	50

Standard:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
PB106		>30	0.55	270	85	<5	1.63	34	4	40	6229	1.63	<10	0.16	593	33	0.01	7	280	5230	60	<20	138	<0.01	<10	13	<10	1	8361
PB106		>30	0.54	270	80	<5	1.69	32	4	41	6153	1.65	<10	0.17	563	33	0.02	7	270	5310	60	<20	134	<0.01	<10	13	<10	1	8400

JJ/kc
df/n0041
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0037

TTM Resources 7-Feb-07
520-700W Pender Street
Vancouver, BC
V6C 1G8

Attention: Ken MacDonald

No. of samples received: 54
Sample Type: Core
Project: CHU
Shipment #: 7
Submitted by: All North Cons.

ET #.	Tag #	Mo (%)
3	44615	0.114
17	44630	0.063
27	44641	0.458
33	44647	0.085
36	44650	0.065
53	44670	0.064

QC DATA:

Repeat:

3	44615	0.115
27	44641	0.482

Standard:

MP2	0.276
MP2	0.284
MP2	0.281
MP2	0.283

JJ/kk
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-31

TTM Resources
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

Attention: Ken MacDonald

No. of samples received: 64
Sample Type: Core
Project: CHU
Shipment #: 6
Submitted by: All North Cons.

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	44546	0.2	1.70	5	120	<5	1.78	1	14	161	328	3.74	<10	1.38	296	249	0.06	65	550	12	15	<20	55	0.13	<10	167	<10	16	52
2	44547	<0.2	1.80	5	135	<5	0.57	1	15	142	243	3.58	<10	1.59	278	304	0.10	59	530	12	10	<20	30	0.19	<10	217	<10	19	47
3	44548	<0.2	1.91	<5	130	<5	0.43	<1	17	149	271	3.75	<10	1.51	263	362	0.16	58	470	12	10	<20	27	0.21	<10	212	<10	18	51
4	44549	0.3	1.98	10	120	<5	0.85	2	17	151	439	4.21	<10	1.50	288	162	0.13	65	520	10	25	<20	34	0.15	<10	204	<10	19	52
5	44550	<0.2	0.87	5	155	<5	1.36	<1	7	20	140	2.58	20	0.53	653	633	0.05	13	740	14	<5	<20	149	0.05	<10	35	<10	21	73
6	44551	0.4	1.79	<5	90	<5	0.92	1	18	189	733	4.59	<10	1.06	248	252	0.20	71	500	8	10	<20	88	0.13	<10	144	<10	16	45
7	44552	0.4	1.41	10	65	<5	1.75	1	16	162	659	4.27	<10	1.23	290	336	0.10	70	600	8	5	<20	76	0.09	<10	131	<10	14	46
8	44553	0.2	1.60	20	120	<5	1.45	1	12	152	332	3.54	<10	1.18	259	303	0.10	58	500	12	15	<20	58	0.08	<10	137	<10	14	50
9	44554	<0.2	1.19	45	120	<5	1.51	<1	13	124	273	3.21	10	0.96	370	53	0.08	37	1060	8	<5	<20	51	0.12	<10	100	<10	16	56
10	44555	<0.2	1.03	<5	110	<5	0.86	<1	12	63	118	2.76	10	0.88	407	<1	0.08	5	1490	8	<5	<20	43	0.15	<10	68	<10	9	61
11	44556	<0.2	1.63	<5	90	<5	0.70	2	15	146	388	3.96	<10	1.11	189	87	0.20	61	680	10	20	<20	49	0.13	<10	147	<10	13	51
12	44557	<0.2	1.73	<5	100	<5	0.71	1	17	173	436	4.19	<10	1.15	175	340	0.22	63	570	10	10	<20	49	0.15	<10	150	<10	13	50
13	44558	0.2	1.24	<5	90	<5	0.74	<1	16	130	446	4.01	<10	1.03	177	274	0.14	61	760	10	<5	<20	42	0.14	<10	122	<10	15	41
14	44559	<0.2	1.33	<5	95	<5	0.57	2	16	130	290	3.78	<10	1.27	224	98	0.10	47	810	8	15	<20	38	0.15	<10	152	<10	15	46
15	44561	<0.2	1.03	<5	105	<5	0.48	1	11	98	222	2.86	<10	0.98	223	36	0.09	32	700	4	15	<20	24	0.12	<10	115	<10	13	41
16	44562	<0.2	0.87	<5	100	<5	0.30	<1	9	110	193	2.33	<10	0.78	239	94	0.08	29	440	6	<5	<20	21	0.12	<10	105	<10	15	37
17	44563	<0.2	1.77	<5	170	<5	0.42	<1	17	138	277	3.66	<10	1.49	346	205	0.14	61	510	12	10	<20	31	0.20	<10	208	<10	22	58
18	44564	<0.2	2.19	<5	140	<5	0.67	1	18	152	356	4.00	<10	1.55	293	283	0.24	72	600	10	20	<20	63	0.20	<10	200	<10	19	58
19	44565	<0.2	0.05	<5	10	<5	>10	<1	<1	4	7	0.08	<10	>10	64	<1	<0.01	<1	360	<2	25	<20	155	0.05	<10	3	<10	1	5
20	44566	<0.2	1.94	<5	145	<5	0.60	2	20	151	299	3.85	<10	1.49	296	264	0.20	75	520	14	25	<20	37	0.17	<10	195	<10	18	61
21	44567	<0.2	0.81	<5	90	5	0.58	1	9	80	162	2.69	10	0.74	211	55	0.09	17	930	6	10	<20	34	0.11	<10	80	<10	12	38
22	44568	<0.2	0.61	<5	100	<5	0.55	<1	8	55	135	2.21	10	0.49	198	33	0.08	5	930	6	<5	<20	35	0.09	<10	44	<10	10	38
23	44569	0.2	1.06	<5	90	<5	0.59	2	13	117	310	3.44	<10	0.89	267	143	0.12	41	670	8	10	<20	47	0.10	<10	109	<10	11	43
24	44570	<0.2	0.87	5	155	<5	1.36	<1	7	20	140	2.58	20	0.53	652	641	0.05	13	750	14	<5	<20	146	0.06	<10	34	<10	21	74
25	44571	<0.2	1.78	<5	110	<5	0.49	1	17	136	285	3.71	<10	1.44	279	249	0.15	60	540	12	10	<20	56	0.18	<10	193	<10	19	51

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	44572	<0.2	1.85	<5	120	<5	0.57	1	22	151	274	4.09	<10	1.48	330	170	0.15	63	1080	10	20	<20	30	0.21	<10	187	<10	26	57
27	44573	<0.2	1.52	<5	135	<5	0.42	<1	18	132	233	3.52	<10	1.28	337	200	0.11	54	540	10	5	<20	25	0.20	<10	171	<10	21	52
28	44574	0.5	1.41	10	135	<5	0.41	<1	15	149	392	3.15	<10	1.20	284	305	0.09	54	420	14	10	<20	16	0.17	<10	174	<10	18	58
29	44575	2.6	1.25	<5	110	25	0.34	1	18	122	1011	3.44	<10	1.04	273	497	0.07	46	350	10	<5	<20	12	0.14	<10	156	<10	13	85
30	44576	1.3	1.09	<5	80	<5	0.41	1	20	151	1053	4.79	<10	1.11	244	799	0.09	43	420	8	<5	<20	16	0.13	<10	127	<10	12	56
31	44577	1.2	1.58	<5	105	<5	0.42	2	17	132	853	3.93	<10	1.68	359	281	0.08	45	700	10	20	<20	12	0.18	<10	188	<10	14	72
32	44578	<0.2	1.33	<5	150	<5	0.38	<1	18	130	156	3.02	<10	1.07	270	478	0.09	43	500	12	5	<20	14	0.18	<10	158	<10	19	51
33	44579	0.6	1.13	<5	95	<5	0.40	2	18	131	602	3.96	<10	0.98	260	465	0.09	47	470	10	20	<20	28	0.13	<10	132	<10	14	57
34	44581	0.4	1.15	<5	100	<5	0.34	1	16	144	417	3.36	<10	0.95	249	316	0.10	42	480	10	10	<20	14	0.15	<10	130	<10	15	59
35	44582	0.2	1.52	10	125	<5	0.70	1	16	157	219	3.57	<10	1.28	235	373	0.09	52	490	12	10	<20	24	0.17	<10	190	<10	13	54
36	44583	0.3	1.64	25	110	<5	1.04	1	14	127	298	3.41	<10	1.40	238	210	0.08	53	490	10	15	<20	36	0.16	<10	185	<10	12	54
37	44584	0.8	1.74	10	115	<5	0.87	1	10	195	482	2.81	<10	1.50	270	395	0.10	40	560	14	20	<20	24	0.11	<10	210	<10	20	71
38	44585	<0.2	0.04	5	15	<5	>10	<1	<1	5	6	0.07	<10	>10	66	<1	<0.01	<1	340	<2	35	<20	142	0.02	<10	4	<10	4	5
39	44586	0.2	1.39	15	105	<5	1.42	<1	13	125	303	3.32	<10	1.10	237	389	0.05	52	460	12	10	<20	30	0.10	<10	145	<10	17	76
40	44587	0.2	1.35	20	95	<5	1.24	<1	12	128	236	2.95	<10	1.10	230	665	0.05	47	410	26	5	<20	23	0.10	<10	140	<10	11	63
41	44588	<0.2	1.72	<5	75	<5	0.47	2	25	155	487	4.71	<10	1.53	271	441	0.08	61	440	6	15	<20	28	0.18	<10	187	<10	14	56
42	44589	<0.2	1.60	5	110	<5	0.47	1	16	146	342	3.68	<10	1.41	236	292	0.08	57	450	12	20	<20	22	0.15	<10	200	<10	15	93
43	44590	0.2	0.89	<5	155	<5	1.36	<1	7	20	143	2.59	20	0.54	657	619	0.05	17	730	14	<5	<20	153	0.05	<10	36	<10	21	72
44	44591	<0.2	1.70	<5	110	<5	0.61	1	18	160	420	4.34	<10	1.41	261	198	0.11	58	620	12	10	<20	57	0.18	<10	169	<10	14	76
45	44592	<0.2	1.70	<5	125	<5	0.86	1	19	160	418	4.13	<10	1.64	312	530	0.08	69	800	8	15	<20	49	0.18	<10	202	<10	18	72
46	44593	<0.2	1.71	10	145	<5	0.77	1	15	184	303	3.65	<10	1.60	309	326	0.09	77	670	12	10	<20	30	0.17	<10	227	<10	19	71
47	44594	0.2	1.25	<5	105	<5	0.61	<1	15	167	373	3.40	<10	1.14	215	966	0.09	50	620	10	<5	<20	28	0.14	<10	159	<10	15	52
48	44595	0.2	1.57	10	65	<5	1.04	1	24	180	659	4.97	<10	1.32	251	1303	0.08	71	480	10	5	<20	87	0.15	<10	170	<10	13	60
49	44596	<0.2	1.32	5	90	<5	0.46	<1	17	148	584	3.92	<10	1.38	227	199	0.08	64	400	8	10	<20	65	0.13	<10	158	<10	12	49
50	44597	0.2	1.58	5	125	<5	0.62	1	16	186	405	3.64	<10	1.52	268	523	0.09	69	590	10	10	<20	61	0.19	<10	227	<10	20	60
51	44598	<0.2	1.51	5	130	<5	0.38	<1	16	153	185	3.19	<10	1.26	212	368	0.08	55	470	12	5	<20	25	0.21	<10	193	<10	20	52
52	44599	0.2	1.64	5	145	<5	0.44	<1	16	166	356	3.47	<10	1.47	280	1112	0.10	57	580	12	10	<20	27	0.20	<10	205	<10	24	59
53	44601	2.9	1.65	<5	90	<5	0.40	2	23	151	1570	4.24	<10	1.48	312	778	0.11	68	420	8	10	<20	27	0.19	<10	186	<10	19	83
54	44602	1.4	1.48	5	95	<5	0.60	<1	21	176	1064	3.86	<10	1.42	293	772	0.09	68	500	10	5	<20	27	0.15	<10	169	<10	17	57
55	44603	2.1	1.35	10	90	<5	0.68	1	17	171	1284	3.91	<10	1.28	228	580	0.08	53	420	8	10	<20	25	0.15	<10	137	<10	12	58
56	44604	2.4	1.19	15	85	<5	0.67	<1	14	169	1272	3.24	<10	1.03	207	981	0.06	43	320	8	5	<20	25	0.11	<10	132	<10	13	71
57	44605	<0.2	0.04	5	10	<5	>10	<1	<1	4	12	0.07	<10	>10	68	<1	<0.01	<1	350	<2	30	<20	148	0.04	<10	3	<10	2	6
58	44606	0.5	1.12	5	80	<5	0.66	1	17	156	580	3.70	<10	1.03	235	555	0.09	49	580	4	10	<20	28	0.14	<10	109	<10	11	48
59	44607	0.3	1.11	<5	90	<5	0.53	2	18	100	422	3.99	<10	1.01	242	214	0.10	31	950	8	5	<20	37	0.15	<10	102	<10	13	42
60	44608	<0.2	1.23	10	115	<5	0.85	<1	14	155	239	3.08	<10	1.01	278	795	0.08	41	520	6	10	<20	31	0.13	<10	129	<10	16	61
61	44609	0.3	0.62	<5	85	<5	0.57	<1	7	74	370	2.66	10	0.42	177	111	0.09	8	790	6	<5	<20	38	0.07	<10	32	<10	7	26
62	44610	<0.2	0.91	<5	155	<5	1.37	<1	7	19	145	2.62	20	0.55	633	700	0.05	12	760	12	<5	<20	152	0.06	<10	36	<10	21	71
63	44611	0.4	0.60	<5	85	<5	0.53	<1	8	95	401	2.67	10	0.42	174	108	0.08	11	700	6	<5	<20	34	0.08	<10	37	<10	6	24
64	44612	0.2	0.70	<5	75	<5	0.71	<1	10	81	278	2.55	10	0.61	203	320	0.08	23	740	6	<5	<20	36	0.10	<10	64	<10	9	32

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn

QC DATA:

Repeat:

1	44546	0.2	1.76	10	120	<5	1.79	1	15	163	339	3.74	<10	1.41	298	255	0.07	65	580	12	20	<20	53	0.13	<10	170	<10	19	50
10	44555	<0.2	1.08	<5	125	<5	0.87	<1	13	68	124	2.79	10	0.88	414	<1	0.10	4	1480	10	5	<20	48	0.13	<10	70	<10	11	62
36	44583	0.3	1.72	20	120	<5	1.06	1	14	131	312	3.46	<10	1.45	242	215	0.09	53	460	8	10	<20	38	0.17	<10	190	<10	11	53
45	44592	<0.2	1.64	<5	115	<5	0.85	2	18	160	405	4.08	<10	1.59	308	533	0.07	72	780	10	25	<20	49	0.18	<10	198	<10	19	74
54	44602	1.4	1.50	<5	105	<5	0.62	2	22	183	1119	3.97	<10	1.49	303	811	0.10	71	490	8	15	<20	29	0.15	<10	177	<10	18	58

Resplit:

1	44546	0.3	1.77	10	120	<5	1.81	2	14	165	330	3.76	<10	1.40	298	255	0.07	68	600	14	25	<20	53	0.10	<10	170	<10	19	54
36	44583	0.5	1.78	20	105	<5	0.98	2	16	133	325	3.77	<10	1.49	243	219	0.10	57	470	6	20	<20	40	0.15	<10	186	<10	11	50

Standard:

PB106		>30	0.50	285	80	<5	1.69	31	4	42	6279	1.67	<10	0.16	541	36	0.03	7	270	5336	60	<20	559	<0.01	<10	14	10	1	8440
PB106		>30	0.50	280	80	<5	1.62	32	4	40	6296	1.69	<10	0.17	556	35	0.03	6	280	5352	75	<20	539	<0.01	<10	14	10	1	8464

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ICP CERTIFICATE OF ANALYSIS AK 2007-0021

TTM Resources
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

Attention: Ken MacDonald

No. of samples received: 106
Sample Type: Core
Project: CHU
Shipment #: 5
Submitted by: All North Cons.

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	44434	0.2	0.86	5	65	<5	0.33	<1	10	55	160	3.09	<10	0.67	321	14	0.08	3	570	12	<5	<20	13	0.15	<10	70	<10	9	73
2	44435	0.2	0.61	<5	35	<5	0.42	<1	9	54	221	3.01	<10	0.45	223	132	0.05	2	400	12	<5	<20	11	0.07	<10	57	<10	7	51
3	44436	0.4	0.77	5	65	<5	0.32	<1	11	55	193	3.39	<10	0.57	279	18	0.07	3	520	12	<5	<20	10	0.13	<10	71	<10	9	63
4	44437	0.5	0.79	10	60	<5	0.37	<1	11	66	463	3.76	<10	0.61	226	49	0.09	2	550	14	<5	<20	11	0.13	<10	66	<10	10	50
5	44438	0.4	0.82	5	55	<5	0.59	<1	13	68	339	3.92	<10	0.57	333	67	0.10	2	530	14	<5	<20	15	0.15	<10	60	<10	8	74
6	44439	0.3	0.83	5	70	<5	0.29	1	11	46	116	2.97	<10	0.56	305	26	0.07	2	560	14	<5	<20	9	0.17	<10	83	<10	7	85
7	44441	0.5	0.92	5	65	<5	0.42	<1	9	54	175	2.93	<10	0.64	280	66	0.10	2	550	16	<5	<20	16	0.13	<10	72	10	8	73
8	44442	0.3	1.45	10	45	5	0.97	<1	9	40	276	3.06	<10	0.69	241	45	0.18	1	610	22	<5	<20	41	0.12	<10	68	20	7	49
9	44443	0.3	0.67	5	45	<5	0.46	<1	8	60	266	3.26	<10	0.48	169	71	0.08	2	540	18	<5	<20	20	0.10	<10	53	<10	8	50
10	44444	0.3	0.63	5	30	<5	0.73	<1	10	73	278	3.11	<10	0.37	188	36	0.05	2	530	14	<5	<20	16	0.09	<10	43	<10	8	36
11	44445	<0.2	0.02	<5	30	<5	>10	<1	<1	4	4	0.06	<10	>10	48	<1	0.01	2	340	2	<5	<20	89	<0.01	<10	<1	<10	2	4
12	44446	0.4	0.69	5	40	<5	0.81	<1	13	66	447	4.03	<10	0.32	241	15	0.09	2	490	10	<5	<20	10	0.10	<10	37	<10	10	42
13	44447	0.2	0.59	5	45	<5	0.41	<1	6	48	223	2.80	<10	0.38	185	10	0.06	2	480	8	<5	<20	9	0.09	<10	51	<10	9	38
14	44448	0.5	0.70	5	45	<5	0.46	<1	8	52	376	3.50	<10	0.48	221	17	0.07	3	470	10	<5	<20	14	0.10	<10	51	<10	10	51
15	44449	0.5	0.67	5	40	<5	0.55	3	9	56	435	4.00	<10	0.44	240	22	0.07	2	460	10	<5	<20	15	0.09	<10	46	<10	9	198
16	44450	0.2	0.74	10	125	<5	1.29	<1	5	17	114	2.58	20	0.49	614	639	0.05	11	750	16	<5	<20	128	0.02	<10	27	<10	16	72
17	44451	0.6	0.60	5	45	<5	0.47	<1	8	65	444	3.71	<10	0.40	226	23	0.07	<1	490	8	<5	<20	11	0.10	<10	44	<10	9	63
18	44452	0.2	0.72	5	60	<5	0.36	<1	7	69	134	2.32	<10	0.51	217	26	0.07	<1	460	10	<5	<20	10	0.11	<10	49	<10	9	44
19	44453	0.2	0.77	10	55	<5	0.41	<1	8	64	201	2.78	<10	0.55	284	33	0.09	<1	460	10	<5	<20	10	0.12	<10	52	<10	10	54
20	44454	0.3	0.61	5	40	<5	0.35	<1	9	74	423	4.23	<10	0.43	170	36	0.07	<1	440	8	<5	<20	10	0.09	<10	39	<10	9	31
21	44455	0.3	0.56	5	45	<5	0.44	<1	8	50	297	2.83	<10	0.41	205	11	0.08	<1	520	8	<5	<20	9	0.10	<10	51	<10	11	36
22	44456	0.2	0.64	5	45	<5	0.46	<1	8	69	300	2.74	<10	0.41	198	14	0.08	<1	540	8	<5	<20	9	0.11	<10	52	<10	10	38
23	44457	0.2	0.71	10	50	<5	0.57	<1	6	73	225	2.50	<10	0.47	160	92	0.07	<1	450	10	<5	<20	17	0.08	<10	48	<10	10	27
24	44458	0.3	0.69	5	50	<5	0.30	<1	7	69	218	2.44	<10	0.46	145	56	0.08	<1	440	8	<5	<20	13	0.08	<10	51	<10	8	29
25	44459	0.3	1.10	15	55	<5	1.18	<1	11	68	268	2.80	<10	0.88	280	82	0.08	8	700	12	<5	<20	35	0.09	<10	72	<10	10	51

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	44461	0.2	2.30	25	105	<5	2.43	<1	24	127	189	3.12	<10	1.71	495	22	0.26	33	1050	22	<5	<20	114	0.15	<10	118	<10	7	45
27	44462	0.3	0.94	10	60	<5	0.62	<1	14	76	331	3.04	<10	0.81	189	115	0.10	4	540	12	<5	<20	27	0.11	<10	71	<10	8	36
28	44463	0.4	1.07	10	40	<5	1.14	<1	7	87	305	2.78	<10	0.55	273	386	0.08	<1	460	14	<5	<20	26	0.07	<10	46	<10	9	36
29	44464	0.3	0.95	10	50	5	0.53	<1	13	74	291	2.97	<10	0.63	164	75	0.08	<1	530	16	<5	<20	26	0.11	<10	60	10	10	41
30	44465	<0.2	0.03	<5	25	<5	>10	<1	<1	6	7	0.07	<10	>10	53	<1	<0.01	2	270	<2	<5	<20	93	<0.01	<10	<1	<10	2	6
31	44466	0.2	0.82	10	50	<5	0.95	<1	8	72	254	2.58	<10	0.59	167	229	0.07	<1	480	14	5	<20	12	0.10	<10	52	<10	10	38
32	44467	0.3	1.54	15	90	<5	0.97	<1	9	81	277	2.65	<10	0.81	208	186	0.19	14	480	20	<5	<20	55	0.13	<10	85	<10	9	46
33	44468	<0.2	2.41	30	130	<5	0.82	<1	13	142	113	2.77	<10	1.25	278	430	0.25	40	520	22	<5	<20	46	0.21	<10	159	<10	7	43
34	44469	<0.2	1.75	15	125	<5	0.40	<1	15	129	133	2.87	<10	1.38	285	64	0.10	42	550	16	<5	<20	16	0.24	<10	164	<10	8	46
35	44470	0.2	0.74	10	130	<5	1.40	<1	5	18	113	2.50	20	0.48	625	633	0.05	12	770	16	<5	<20	128	0.02	<10	27	<10	16	73
36	44471	<0.2	1.64	15	95	<5	0.40	<1	15	143	262	2.90	<10	1.18	243	213	0.14	45	500	20	<5	<20	17	0.23	<10	154	<10	10	40
37	44472	0.3	1.44	15	85	<5	0.38	<1	15	127	347	3.10	<10	1.22	240	95	0.11	45	500	16	<5	<20	24	0.19	<10	149	<10	10	46
38	44473	0.2	1.56	15	85	<5	0.42	<1	17	123	273	3.89	<10	1.31	261	66	0.13	47	570	16	<5	<20	19	0.21	<10	158	<10	10	45
39	44474	<0.2	1.54	15	120	<5	0.46	<1	16	137	173	2.79	<10	1.21	213	27	0.15	46	520	16	<5	<20	24	0.21	<10	156	<10	10	36
40	44475	0.2	1.23	10	105	<5	0.35	<1	12	140	228	2.90	<10	1.16	191	32	0.10	38	540	14	<5	<20	15	0.20	<10	147	<10	11	35
41	44476	0.2	1.47	15	110	<5	0.42	<1	14	133	210	2.81	<10	1.26	191	106	0.13	38	540	14	<5	<20	21	0.21	<10	144	<10	11	32
42	44477	0.3	2.19	25	95	<5	1.82	<1	27	133	198	3.07	<10	1.88	370	28	0.16	57	1080	22	<5	<20	77	0.18	<10	138	10	7	55
43	44478	0.3	1.39	15	105	<5	0.45	<1	14	153	230	2.83	<10	1.23	186	150	0.11	43	560	16	<5	<20	22	0.21	<10	150	<10	11	31
44	44479	0.2	1.42	15	100	<5	0.35	<1	16	141	242	2.89	<10	1.12	201	308	0.11	40	530	16	<5	<20	17	0.22	<10	149	<10	9	33
45	44481	0.3	1.35	15	100	<5	0.38	<1	14	149	258	2.90	<10	1.09	212	194	0.12	39	560	14	<5	<20	20	0.21	<10	139	<10	11	39
46	44482	0.3	1.43	10	75	<5	0.49	<1	15	139	310	3.44	<10	1.19	232	198	0.13	42	550	14	<5	<20	20	0.20	<10	137	<10	11	45
47	44483	0.5	1.17	15	80	<5	0.65	<1	14	113	280	2.94	<10	1.08	199	246	0.07	34	530	12	<5	<20	47	0.16	<10	127	<10	10	38
48	44484	1.2	1.58	25	65	<5	1.01	<1	17	131	626	3.65	<10	1.15	244	92	0.11	43	570	20	<5	<20	30	0.13	<10	118	<10	11	52
49	44485	<0.2	0.04	<5	30	<5	>10	<1	<1	4	6	0.08	<10	>10	60	<1	<0.01	2	360	<2	<5	<20	91	<0.01	<10	1	<10	2	5
50	44486	0.3	1.36	15	100	<5	0.45	<1	14	152	212	2.96	<10	1.19	223	138	0.10	39	530	14	<5	<20	16	0.22	<10	146	<10	11	41
51	44487	0.4	1.34	20	90	<5	0.53	<1	12	139	260	2.88	<10	1.20	207	293	0.07	40	570	14	<5	<20	13	0.19	<10	150	<10	12	37
52	44488	0.3	1.24	35	70	<5	1.76	<1	11	136	232	3.00	<10	1.00	232	243	0.05	38	470	14	<5	<20	27	0.10	<10	97	<10	12	37
53	44489	0.3	1.52	45	80	<5	1.05	<1	10	143	174	2.86	<10	1.11	244	153	0.06	39	520	16	<5	<20	23	0.13	<10	125	<10	11	40
54	44490	0.2	0.77	5	130	<5	1.44	<1	5	18	114	2.50	20	0.49	606	613	0.05	11	740	16	<5	<20	129	0.02	<10	28	<10	16	70
55	44491	0.2	1.48	25	80	<5	0.68	<1	11	142	203	2.94	<10	1.21	217	129	0.07	39	520	16	<5	<20	22	0.15	<10	137	<10	11	42
56	44492	0.3	1.60	25	70	<5	1.16	<1	12	125	207	3.88	<10	1.25	207	217	0.08	38	520	16	<5	<20	31	0.14	<10	135	<10	12	35
57	44493	0.4	1.31	25	60	<5	0.56	<1	14	155	252	2.97	<10	1.18	199	546	0.08	41	540	16	<5	<20	18	0.18	<10	150	<10	11	38
58	44494	0.4	1.64	20	70	<5	0.47	<1	17	164	292	3.12	<10	1.30	211	104	0.11	50	570	18	<5	<20	21	0.21	<10	154	<10	9	41
59	44495	0.4	1.46	25	65	<5	0.56	<1	16	147	286	3.85	<10	1.22	211	108	0.08	45	570	16	<5	<20	23	0.17	<10	140	<10	12	42
60	44496	0.3	1.25	20	50	<5	0.61	<1	17	158	223	2.89	<10	0.99	175	260	0.07	43	520	14	<5	<20	21	0.15	<10	123	<10	12	32
61	44497	0.3	1.07	10	55	<5	0.49	<1	14	153	252	2.92	<10	0.93	182	146	0.09	38	500	12	<5	<20	28	0.17	<10	119	<10	11	36
62	44498	0.4	1.19	10	45	<5	0.48	<1	15	149	230	2.86	<10	0.99	181	403	0.08	35	440	12	<5	<20	19	0.16	<10	123	20	10	49
63	44499	0.4	0.98	10	70	<5	0.31	<1	12	175	195	2.78	<10	0.86	206	488	0.07	32	430	12	<5	<20	13	0.15	<10	115	<10	12	43
64	44501	0.7	1.00	10	50	<5	0.79	<1	11	168	356	2.84	<10	0.85	260	1422	0.05	29	480	10	<5	<20	29	0.12	<10	102	10	14	50
65	44502	1.0	0.96	10	50	<5	0.36	7	11	158	321	2.67	<10	0.69	234	538	0.04	29	350	10	<5	<20	24	0.10	<10	97	30	11	436

Et #. Tag # Ag Al % As Ba Bi Ca % Cd Co Cr Cu Fe % La Mg % Mn Mo Na % Ni P Pb Sb Sn Sr Ti % U V W Y Zn

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
66	44503	0.8	0.94	10	55	<5	0.48	<1	12	165	344	2.79	<10	0.73	200	272	0.06	30	450	12	<5	<20	21	0.13	<10	93	<10	13	37
67	44504	0.6	1.25	15	60	<5	0.83	<1	14	171	349	2.83	<10	0.86	236	217	0.06	35	430	14	<5	<20	31	0.16	<10	114	<10	12	50
68	44505	<0.2	0.02	<5	30	<5	>10	<1	<1	4	5	0.06	<10	>10	52	<1	<0.01	1	240	<2	<5	<20	94	<0.01	<10	<1	<10	2	4
69	44506	0.6	1.02	15	45	<5	0.77	<1	15	163	387	2.84	<10	0.82	189	351	0.06	31	470	12	<5	<20	23	0.13	<10	105	<10	11	39
70	44507	0.5	0.83	10	50	<5	0.43	1	10	161	372	2.87	<10	0.75	191	975	0.04	27	400	10	<5	<20	13	0.10	<10	99	<10	11	84
71	44508	0.8	0.95	15	35	<5	0.78	1	16	123	561	5.54	<10	0.65	209	1111	0.04	30	620	16	<5	<20	21	0.07	<10	70	<10	10	66
72	44509	1.2	0.97	25	35	<5	1.23	<1	14	148	594	5.75	<10	0.71	216	1213	0.04	27	480	12	<5	<20	26	0.05	<10	69	<10	10	39
73	44510	0.2	0.72	10	130	<5	1.25	<1	5	17	113	2.50	20	0.49	637	625	0.04	11	760	16	<5	<20	129	0.02	<10	28	<10	17	71
74	44511	0.4	1.41	20	70	<5	0.58	<1	12	141	239	2.83	<10	1.14	218	386	0.05	41	670	14	<5	<20	24	0.16	<10	149	<10	13	39
75	44512	0.8	1.09	15	50	<5	0.74	<1	12	140	535	2.82	<10	0.91	180	670	0.04	29	500	12	<5	<20	24	0.10	<10	103	<10	12	43
76	44513	0.4	1.09	15	50	<5	0.59	<1	13	166	382	2.89	<10	0.90	161	906	0.05	31	490	12	<5	<20	30	0.11	<10	114	<10	13	34
77	44514	0.2	1.20	10	85	<5	0.53	<1	13	199	172	2.76	<10	0.87	206	475	0.06	36	480	12	<5	<20	28	0.18	<10	122	<10	12	35
78	44515	0.3	1.17	15	80	<5	0.84	<1	12	183	194	2.66	<10	0.93	264	336	0.05	32	500	12	<5	<20	25	0.14	<10	115	<10	14	61
79	44516	0.3	0.93	10	75	<5	0.42	<1	12	218	244	2.70	<10	0.70	185	448	0.06	33	530	10	<5	<20	18	0.14	<10	99	<10	10	32
80	44517	0.4	1.18	10	60	<5	1.39	<1	12	224	315	2.78	<10	0.81	199	636	0.05	34	400	12	<5	<20	31	0.15	<10	116	<10	11	37
81	44518	0.3	1.39	10	60	<5	1.37	<1	11	159	322	2.89	<10	1.10	190	430	0.06	37	540	14	<5	<20	40	0.17	<10	129	<10	12	38
82	44519	0.2	1.57	15	65	<5	0.52	<1	14	184	235	2.93	<10	1.31	272	558	0.11	52	590	16	<5	<20	44	0.21	<10	164	<10	15	57
83	44521	0.3	1.45	10	65	<5	0.36	<1	15	140	240	2.88	<10	1.22	281	860	0.09	61	540	14	<5	<20	24	0.21	<10	157	<10	12	65
84	44522	0.5	1.43	10	60	<5	0.32	<1	18	144	354	3.05	<10	1.37	313	398	0.07	53	610	14	<5	<20	19	0.21	<10	166	<10	13	64
85	44523	0.4	1.42	15	70	<5	0.37	2	17	124	224	2.93	<10	1.21	407	303	0.07	52	490	14	<5	<20	38	0.22	<10	157	<10	13	112
86	44524	0.6	1.44	10	60	<5	0.42	<1	17	143	351	3.03	<10	1.26	364	457	0.07	54	460	14	<5	<20	20	0.21	<10	147	<10	13	71
87	44525	<0.2	0.03	<5	30	<5	>10	<1	<1	5	5	0.07	<10	>10	49	1	<0.01	1	260	2	<5	<20	94	<0.01	<10	<1	<10	2	3
88	44526	0.3	1.39	10	80	<5	0.33	<1	16	149	208	2.85	<10	1.25	294	294	0.08	44	460	14	<5	<20	24	0.23	<10	143	<10	15	53
89	44527	0.2	1.41	10	75	<5	0.41	<1	18	142	194	2.87	<10	1.20	213	353	0.06	40	430	14	<5	<20	20	0.22	<10	146	<10	12	39
90	44528	0.4	1.14	15	55	<5	0.42	<1	13	155	275	2.82	<10	0.92	275	127	0.05	37	410	12	<5	<20	23	0.15	<10	110	<10	12	44
91	44529	0.4	0.79	5	65	5	0.45	<1	9	123	225	2.52	10	0.61	257	100	0.07	16	650	8	<5	<20	29	0.13	<10	68	<10	10	41
92	44530	0.2	0.74	5	130	<5	1.27	<1	5	17	112	2.55	20	0.49	624	617	0.04	11	740	14	<5	<20	128	0.02	<10	28	<10	17	70
93	44531	0.3	0.49	<5	55	<5	0.58	<1	6	82	165	2.05	10	0.38	186	99	0.06	1	870	6	<5	<20	35	0.10	<10	26	<10	6	30
94	44532	0.3	0.65	5	55	<5	0.67	<1	6	86	185	2.20	20	0.45	219	106	0.06	4	850	8	<5	<20	33	0.11	<10	35	10	6	32
95	44533	0.5	0.68	10	45	<5	1.04	<1	8	92	337	2.39	10	0.55	221	68	0.06	9	740	10	<5	<20	40	0.08	<10	43	<10	7	39
96	44534	0.4	0.98	10	50	<5	0.42	<1	15	173	367	2.85	<10	0.87	224	300	0.07	35	570	12	<5	<20	21	0.14	<10	128	<10	14	48
97	44535	1.1	1.23	15	45	<5	0.52	1	25	168	964	7.53	<10	1.30	312	134	0.08	37	690	16	<5	<20	23	0.13	<10	112	<10	16	76
98	44536	0.7	0.90	10	50	<5	0.42	1	18	162	542	3.20	<10	0.83	249	138	0.06	35	740	12	<5	<20	14	0.13	<10	98	<10	14	59
99	44537	0.3	1.19	10	85	<5	0.37	<1	14	142	227	2.78	<10	1.19	212	186	0.06	43	520	14	<5	<20	12	0.19	<10	162	<10	12	39
100	44538	0.2	1.37	15	90	<5	0.27	<1	16	142	222	2.83	<10	1.32	239	205	0.07	42	460	14	<5	<20	14	0.21	<10	167	<10	11	47
101	44539	<0.2	1.36	15	110	<5	0.36	<1	15	139	173	2.91	<10	1.33	253	68	0.06	50	470	14	<5	<20	16	0.21	<10	174	<10	12	50
102	44541	<0.2	1.71	15	115	<5	0.39	<1	16	156	153	3.01	<10	1.38	319	164	0.08	50	510	18	<5	<20	18	0.25	<10	155	<10	13	65
103	44542	<0.2	1.46	10	150	<5	0.19	<1	16	129	112	2.79	<10	1.26	240	86	0.07	43	450	14	<5	<20	12	0.26	<10	157	<10	8	41
104	44543	0.3	1.45	25	55	<5	0.71	<1	16	160	355	3.01	<10	1.24	235	168	0.05	46	510	16	<5	<20	21	0.17	<10	135	<10	10	44
105	44544	0.3	1.83	30	80	<5	0.98	<1	12	166	248	2.97	<10	1.64	255	442	0.05	51	630	18	<5	<20	28	0.16	<10	203	<10	14	54
106	44545	<0.2	0.02	<5	30	<5	>10	<1	<1	4	5	0.07	<10	>10	55	<1	<0.01	1	280	2	<5	<20	97	<0.01	<10	1	<10	2	4

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007-0021** **TTM Resources**

QC DATA:

Repeat:

1	44434	0.2	0.78	5	65	<5	0.34	<1	11	54	160	3.28	<10	0.72	354	15	0.07	3	650	16	<5	<20	13	0.16	<10	73	<10	9	85
10	44444	0.3	0.70	10	30	<5	0.72	<1	9	69	284	2.87	<10	0.34	180	38	0.06	1	510	10	<5	<20	13	0.07	<10	36	<10	7	34
19	44453	0.2	0.74	10	60	<5	0.40	<1	8	62	199	2.56	<10	0.55	246	30	0.09	<1	460	10	<5	<20	11	0.12	<10	51	<10	9	48
36	44471	0.2	1.56	15	100	<5	0.33	<1	15	139	247	3.02	<10	1.16	239	199	0.13	44	490	18	<5	<20	17	0.23	<10	152	<10	10	37
45	44481	0.3	1.32	15	95	<5	0.42	<1	14	147	264	2.84	<10	1.11	212	185	0.12	39	570	14	<5	<20	19	0.20	<10	140	<10	11	38
71	44508	0.6	1.02	15	40	<5	0.82	1	17	131	571	5.66	<10	0.65	222	1301	0.04	32	660	12	<5	<20	21	0.08	<10	71	<10	11	67
80	44517	0.3	1.20	10	60	<5	1.47	<1	12	230	314	2.92	<10	0.81	200	644	0.05	34	400	12	<5	<20	31	0.16	<10	116	<10	12	38
89	44527	0.2	1.42	10	85	<5	0.46	<1	18	147	193	2.73	<10	1.21	214	355	0.06	40	430	14	<5	<20	20	0.22	<10	147	<10	13	39
Resplit:																													
1	44434	0.2	0.90	10	60	<5	0.34	<1	10	54	166	3.09	<10	0.62	295	16	0.08	1	540	10	<5	<20	12	0.14	<10	63	<10	9	72
36	44471	<0.2	1.58	15	105	<5	0.31	<1	15	137	237	2.87	<10	1.21	249	192	0.09	41	490	14	<5	<20	14	0.24	<10	159	<10	10	34
Standard:																													
PB106		>30	0.53	275	75	<5	1.62	33	4	43	6292	1.69	<10	0.17	564	31	0.02	7	270	5272	55	<20	144	<0.01	<10	13	10	1	8359
PB106		>30	0.51	275	75	<5	1.60	32	4	43	6170	1.67	<10	0.17	550	30	0.02	7	280	5282	60	<20	134	<0.01	<10	13	10	<1	8342
PB106		>30	0.50	275	75	<5	1.60	32	3	43	6231	1.66	<10	0.16	553	29	0.02	7	290	5404	60	<20	138	<0.01	<10	13	10	1	8311

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sa
df/n21
XLS/06

CERTIFICATE OF ASSAY AK 2007-21

TTM Resources
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

26-Jan-07

Attention: Ken MacDonald

No. of samples received: 106
Sample Type: Core
Project: CHU
Shipment #: 5
Submitted by: All North Cons.

ET #.	Tag #	Mo (%)
16	44450	0.064
35	44470	0.063
54	44490	0.062
57	44493	0.056
64	44501	0.145
65	44502	0.054
70	44507	0.105
71	44508	0.117
72	44509	0.125
73	44510	0.062
75	44512	0.068
76	44513	0.093
80	44517	0.066
82	44519	0.060
83	44521	0.088
92	44530	0.062

QC DATA:

Standard:

MP2	0.279
MP2	0.282

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kk
XLS/06

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007-17

TTM Resources
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

Attention: Ken MacDonald

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 92
Sample Type: Core
Project: CHU
Shipment #: 3
Submitted by: All North

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G44259	1.0	0.99	10	35	<5	1.40	<1	11	35	200	2.90	<10	0.31	382	1	0.04	2	590	14	<5	<20	21	0.13	<10	65	<10	8	43
2	G44261	0.5	0.78	10	60	<5	2.10	<1	9	37	125	2.58	<10	0.34	686	<1	0.09	3	540	10	<5	<20	41	0.13	<10	60	<10	11	37
3	G44262	0.3	0.70	5	65	<5	3.06	2	10	40	70	2.40	<10	0.24	860	<1	0.08	2	570	8	<5	<20	57	0.13	<10	52	<10	11	169
4	G44263	0.8	0.76	5	65	15	2.34	1	11	40	85	2.87	<10	0.43	653	1	0.09	5	670	10	<5	<20	35	0.14	<10	58	<10	9	96
5	G44264	0.4	0.84	10	80	<5	1.41	<1	12	46	113	2.58	<10	0.52	599	<1	0.09	6	790	10	<5	<20	53	0.15	<10	59	<10	7	47
6	G44265	0.2	0.01	<5	25	<5	>10	<1	<1	4	3	0.05	<10	>10	43	<1	<0.01	1	300	<2	<5	<20	91	<0.01	<10	<1	<10	2	4
7	G44266	0.2	0.70	5	50	<5	1.86	<1	10	45	56	2.41	<10	0.25	654	<1	0.09	3	580	8	<5	<20	27	0.14	<10	55	<10	10	37
8	G44267	0.4	0.67	5	50	<5	2.57	<1	10	41	88	2.27	<10	0.26	827	<1	0.09	3	610	8	<5	<20	30	0.13	<10	70	<10	10	37
9	G44268	1.2	0.76	10	25	<5	4.60	<1	8	27	321	2.66	<10	0.35	1363	2	0.06	3	580	10	<5	<20	33	0.11	<10	75	<10	13	41
10	G44269	0.3	0.69	5	55	<5	2.42	<1	8	48	73	2.15	<10	0.29	827	1	0.07	2	550	10	<5	<20	28	0.12	<10	43	<10	8	46
11	G44270	0.2	0.71	5	115	<5	1.39	<1	5	17	110	2.43	20	0.47	619	632	0.04	18	730	16	<5	<20	123	0.02	<10	25	<10	15	70
12	G44271	0.3	0.66	5	40	<5	2.23	<1	8	50	80	2.27	<10	0.26	757	3	0.08	2	510	8	<5	<20	37	0.11	<10	44	<10	8	69
13	G44272	0.6	1.31	10	75	5	2.55	9	13	33	120	3.30	<10	0.66	958	1	0.07	<1	830	16	<5	<20	34	0.16	<10	59	<10	9	681
14	G44273	0.4	0.55	5	30	<5	3.31	<1	9	38	110	2.43	<10	0.25	1033	2	0.09	3	580	8	<5	<20	28	0.12	<10	51	<10	10	40
15	G44274	0.4	0.56	5	40	<5	4.01	<1	10	32	66	2.28	<10	0.24	1196	1	0.07	2	600	8	<5	<20	43	0.11	<10	48	<10	10	48
16	G44275	0.5	0.70	5	70	<5	4.74	<1	8	37	112	2.35	<10	0.22	1223	1	0.07	2	550	8	<5	<20	197	0.10	<10	36	<10	10	38
17	G44276	0.2	0.74	5	55	<5	1.31	<1	9	41	70	2.07	<10	0.31	503	3	0.07	2	620	8	<5	<20	23	0.13	<10	55	<10	8	43
18	G44277	0.4	1.26	10	45	10	1.76	<1	10	42	96	2.54	<10	0.27	570	<1	0.13	2	570	14	<5	<20	34	0.13	<10	44	<10	8	44
19	G44278	0.2	1.34	10	80	<5	1.37	<1	12	35	55	2.39	<10	0.49	454	4	0.09	2	610	14	<5	<20	36	0.14	<10	57	<10	7	44
20	G44279	0.2	0.97	10	75	<5	0.97	<1	10	47	104	2.38	<10	0.32	441	4	0.07	2	570	12	<5	<20	25	0.12	<10	40	<10	8	40
21	G44281	0.4	1.43	15	70	<5	1.84	<1	12	44	165	2.89	<10	0.49	588	5	0.09	1	490	14	<5	<20	36	0.12	<10	42	20	7	86
22	G44282	0.3	0.92	10	70	<5	1.12	<1	10	32	99	2.59	<10	0.43	560	2	0.09	2	590	12	<5	<20	15	0.14	<10	42	<10	11	71
23	G44283	0.4	0.97	5	80	<5	0.97	<1	12	47	115	2.82	<10	0.40	564	1	0.08	2	610	12	<5	<20	15	0.15	<10	54	<10	10	62
24	G44284	0.2	0.93	10	105	<5	0.81	1	8	58	45	1.86	<10	0.39	356	2	0.08	2	460	10	<5	<20	17	0.11	<10	49	<10	7	80
25	G44285	0.2	0.01	<5	30	<5	>10	<1	<1	3	4	0.06	<10	>10	47	<1	<0.01	2	280	<2	<5	<20	87	<0.01	<10	1	<10	2	4

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	G44286	0.2	0.93	10	30	<5	1.43	<1	6	45	55	1.35	<10	0.33	500	2	0.08	2	460	10	<5	<20	23	0.09	<10	38	<10	7	34
27	G44287	<0.2	0.94	20	35	<5	1.25	<1	6	49	33	1.47	<10	0.32	419	1	0.10	2	430	10	<5	<20	24	0.10	<10	51	<10	6	47
28	G44288	<0.2	0.70	20	40	<5	1.25	<1	7	54	43	1.60	<10	0.28	422	4	0.06	2	410	10	<5	<20	18	0.08	<10	39	<10	5	39
29	G44289	0.2	0.73	10	25	<5	2.28	<1	6	38	62	1.44	<10	0.20	694	2	0.07	2	420	6	<5	<20	21	0.07	<10	41	20	7	41
30	G44290	0.2	0.67	5	115	<5	1.35	<1	5	16	107	2.43	20	0.47	598	611	0.04	17	720	14	<5	<20	123	0.02	<10	25	<10	15	68
31	G44291	0.2	0.59	5	45	<5	2.91	<1	9	35	143	2.62	<10	0.21	768	4	0.09	2	570	8	<5	<20	38	0.11	<10	53	<10	9	76
32	G44292	0.2	2.03	60	75	<5	1.55	<1	15	62	170	3.90	<10	0.77	498	4	0.14	17	590	22	<5	<20	54	0.16	<10	106	<10	9	54
33	G44293	0.2	2.13	40	155	<5	0.55	<1	16	116	60	3.33	<10	1.05	428	5	0.09	40	540	24	<5	<20	33	0.24	<10	143	<10	7	94
34	G44294	0.2	2.08	20	160	<5	1.08	<1	16	91	58	3.31	<10	1.13	459	3	0.08	31	960	22	<5	<20	76	0.23	<10	120	<10	7	78
35	G44295	<0.2	2.10	120	195	<5	0.53	<1	17	117	48	3.36	<10	1.14	458	4	0.09	40	530	22	<5	<20	47	0.25	<10	145	<10	9	93
36	G44296	0.2	2.16	25	155	<5	0.78	<1	16	87	61	3.25	<10	1.13	450	3	0.07	39	570	24	<5	<20	52	0.21	<10	136	<10	8	84
37	G44297	0.2	1.91	15	170	<5	0.41	<1	16	98	55	3.22	<10	1.13	414	5	0.06	39	510	20	<5	<20	32	0.24	<10	145	<10	7	81
38	G44298	0.2	2.31	30	190	<5	0.89	<1	15	119	60	3.12	<10	1.17	386	5	0.11	43	510	24	<5	<20	38	0.22	<10	139	<10	8	72
39	G44299	0.2	2.30	30	190	<5	0.56	<1	16	117	59	3.16	<10	1.21	376	6	0.09	46	540	24	<5	<20	38	0.25	<10	151	<10	8	76
40	G44301	0.2	2.32	30	170	<5	0.99	<1	16	121	69	3.23	<10	1.24	380	11	0.09	49	580	24	<5	<20	57	0.21	<10	140	<10	10	72
41	G44302	0.2	2.25	20	95	<5	0.88	<1	17	112	138	3.49	<10	1.18	356	11	0.10	45	660	22	<5	<20	42	0.20	<10	140	<10	10	74
42	G44303	0.2	1.94	20	175	<5	0.52	<1	17	119	67	3.21	<10	1.18	354	25	0.08	43	540	20	<5	<20	47	0.23	<10	146	<10	8	72
43	G44304	0.3	2.13	20	115	<5	1.86	<1	26	122	66	3.71	<10	1.75	506	3	0.10	56	1270	26	<5	<20	78	0.17	<10	119	<10	5	76
44	G44305	0.2	0.01	<5	30	<5	>10	<1	<1	3	3	0.06	<10	>10	56	<1	<0.01	2	310	<2	<5	<20	95	<0.01	<10	<1	<10	2	4
45	G44306	0.2	2.12	20	115	<5	1.56	<1	25	114	54	3.52	<10	1.78	481	3	0.10	54	1140	26	<5	<20	61	0.16	<10	118	<10	5	81
46	G44307	0.2	2.15	15	155	<5	0.53	<1	15	129	62	3.06	<10	1.19	332	7	0.12	45	490	22	<5	<20	33	0.25	<10	156	<10	6	82
47	G44308	0.2	2.81	25	105	<5	1.40	<1	14	136	98	2.96	<10	1.02	290	18	0.24	41	520	26	<5	<20	85	0.16	<10	117	<10	6	65
48	G44309	0.2	2.37	20	80	<5	1.16	<1	14	131	121	3.04	<10	0.97	262	21	0.23	51	650	24	<5	<20	70	0.16	<10	127	<10	6	69
49	G44310	0.2	0.69	5	110	<5	1.38	<1	5	17	107	2.42	20	0.46	618	612	0.03	18	730	16	<5	<20	123	0.02	<10	25	<10	15	70
50	G44311	0.2	2.49	30	95	<5	0.97	<1	17	135	146	3.47	<10	1.10	287	32	0.25	49	560	24	<5	<20	61	0.19	<10	142	<10	7	63
51	G44312	0.2	2.19	90	125	<5	0.71	<1	14	130	93	3.13	<10	1.05	314	32	0.21	43	560	22	<5	<20	38	0.21	<10	147	<10	9	78
52	G44313	0.3	2.24	155	105	<5	0.89	<1	15	131	155	3.21	<10	1.08	320	26	0.19	43	560	22	<5	<20	44	0.20	<10	143	<10	8	95
53	G44314	0.2	2.00	20	135	<5	0.62	<1	15	119	109	3.21	<10	1.17	314	43	0.13	41	520	20	<5	<20	36	0.20	<10	139	<10	8	63
54	G44315	0.2	2.10	55	90	<5	1.63	<1	13	111	125	3.23	<10	1.04	298	20	0.10	40	510	22	<5	<20	42	0.13	<10	106	<10	9	51
55	G44316	<0.2	1.63	20	120	<5	0.36	<1	16	121	107	3.34	<10	1.05	328	25	0.07	42	510	16	<5	<20	16	0.23	<10	153	<10	8	71
56	G44317	<0.2	1.82	30	185	<5	0.36	<1	16	100	70	3.35	<10	1.16	331	19	0.08	40	530	18	<5	<20	19	0.25	<10	149	<10	8	67
57	G44318	0.2	1.85	15	155	<5	0.39	<1	16	111	102	3.49	<10	1.16	327	30	0.09	43	570	18	<5	<20	19	0.25	<10	145	<10	9	70
58	G44319	0.2	1.94	15	165	<5	0.43	<1	16	101	101	3.29	<10	1.21	313	39	0.11	41	500	18	<5	<20	23	0.24	<10	149	<10	8	66
59	G44321	0.2	2.08	20	200	<5	0.47	<1	16	99	93	3.49	<10	1.27	330	20	0.11	41	590	20	<5	<20	23	0.24	<10	150	<10	7	73
60	G44322	0.2	1.65	60	175	<5	0.30	<1	16	104	105	3.10	<10	1.16	279	28	0.06	42	530	16	<5	<20	12	0.24	<10	149	<10	7	59
61	G44323	0.2	1.64	15	130	<5	0.48	<1	13	107	120	3.06	<10	1.11	234	75	0.09	39	550	16	<5	<20	24	0.21	<10	145	<10	8	53
62	G44324	0.3	1.36	10	140	<5	0.48	<1	14	92	207	3.18	<10	1.07	229	75	0.09	34	730	14	<5	<20	20	0.19	<10	130	<10	7	56
63	G44325	0.3	1.39	10	125	<5	0.51	1	14	106	198	3.15	<10	1.08	240	59	0.07	37	630	14	<5	<20	17	0.18	<10	132	<10	8	121
64	G44326	0.4	1.42	10	85	<5	0.55	6	19	103	384	3.64	<10	1.03	242	132	0.08	44	660	16	<5	<20	20	0.16	<10	130	<10	8	667
65	G44327	0.2	1.32	10	100	<5	0.56	<1	13	108	125	2.79	<10	1.00	210	114	0.06	37	450	16	<5	<20	19	0.16	<10	131	<10	7	88

Et #. Tag # Ag Al % As Ba Bi Ca % Cd Co Cr Cu Fe % La Mg % Mn Mo Na % Ni P Pb Sb Sn Sr Ti % U V W Y Zn

66	G44328	0.3	1.25	10	95	<5	0.42	1	13	118	140	2.95	<10	0.93	216	174	0.06	35	430	14	<5	<20	13	0.16	<10	116	<10	7	112
67	G44329	0.3	1.16	10	90	<5	0.55	2	13	90	243	3.36	<10	0.82	202	246	0.07	29	690	14	<5	<20	20	0.13	<10	98	<10	6	138
68	G44330	0.3	0.69	5	110	<5	1.36	<1	5	16	109	2.38	20	0.46	599	621	0.04	18	700	14	<5	<20	121	0.02	<10	25	<10	15	69
69	G44331	0.2	1.48	10	125	<5	0.50	<1	13	108	137	3.06	<10	1.01	242	227	0.07	37	480	16	<5	<20	19	0.19	<10	126	<10	7	94
70	G44332	0.2	1.45	10	125	30	0.40	5	14	111	158	3.16	<10	1.13	252	340	0.07	36	510	14	<5	<20	16	0.19	<10	138	<10	7	539
71	G44333	0.2	1.45	30	165	<5	0.32	<1	13	106	94	2.94	<10	1.10	242	90	0.05	38	460	20	<5	<20	12	0.21	<10	151	<10	6	48
72	G44334	0.2	1.50	15	155	<5	0.37	<1	14	114	97	2.93	<10	1.05	226	131	0.06	38	460	16	<5	<20	15	0.21	<10	147	<10	5	66
73	G44335	0.4	1.14	25	120	<5	0.51	<1	13	75	259	3.16	<10	0.89	210	171	0.05	23	890	14	<5	<20	25	0.15	<10	100	<10	6	45
74	G44336	0.3	1.48	10	160	<5	0.44	<1	14	102	168	3.05	<10	1.06	235	164	0.06	35	510	14	<5	<20	16	0.21	<10	134	<10	6	44
75	G44337	0.2	1.87	15	135	<5	0.56	<1	16	115	130	3.08	<10	1.06	267	141	0.09	43	530	20	<5	<20	23	0.19	<10	147	<10	7	60
76	G44338	0.3	1.37	10	115	<5	0.46	<1	17	97	237	3.33	<10	1.02	231	141	0.07	39	470	14	<5	<20	18	0.17	<10	130	<10	7	56
77	G44339	0.4	1.55	10	130	<5	0.52	<1	15	109	167	3.17	<10	1.08	264	101	0.07	41	500	16	<5	<20	22	0.19	<10	142	<10	7	62
78	G44341	0.4	1.35	10	115	5	0.41	<1	12	105	169	3.12	<10	1.01	268	410	0.06	39	480	14	<5	<20	17	0.18	<10	140	<10	8	53
79	G44342	0.4	1.36	10	120	<5	0.41	<1	14	114	206	3.22	<10	1.02	235	255	0.06	42	570	16	<5	<20	16	0.19	<10	142	<10	8	47
80	G44343	0.3	2.01	20	120	<5	1.27	<1	21	108	120	3.53	<10	1.63	444	165	0.09	50	960	22	<5	<20	53	0.20	<10	134	<10	6	75
81	G44344	0.3	1.50	10	95	<5	0.54	<1	16	129	208	3.38	<10	1.04	238	208	0.08	43	560	16	<5	<20	35	0.18	<10	125	<10	8	46
82	G44345	0.2	0.04	<5	30	<5	>10	<1	<1	3	4	0.09	<10	>10	55	<1	<0.01	2	320	2	<5	<20	94	<0.01	<10	2	<10	2	3
83	G44346	0.3	1.29	10	90	<5	0.40	<1	18	112	256	3.30	<10	1.11	224	238	0.07	40	480	14	<5	<20	19	0.17	<10	136	<10	8	41
84	G44347	<0.2	0.83	5	160	<5	2.21	<1	6	45	2	1.79	<10	1.29	482	<1	0.05	4	740	10	<5	<20	52	0.10	<10	33	<10	5	36
85	G44348	0.7	1.32	20	85	<5	0.70	<1	21	101	287	3.33	<10	1.01	269	222	0.06	40	490	16	<5	<20	26	0.16	<10	126	<10	8	45
86	G44349	0.2	1.30	10	95	<5	0.43	<1	14	129	222	3.10	<10	1.02	190	239	0.08	48	510	14	<5	<20	19	0.17	<10	132	<10	7	46
87	G44350	0.2	0.73	5	105	<5	1.42	<1	5	17	111	2.44	20	0.47	650	648	0.04	18	770	16	<5	<20	126	0.02	<10	26	<10	16	75
88	G44351	0.2	1.70	15	120	<5	0.49	1	17	112	194	3.37	<10	1.18	244	189	0.09	52	610	18	<5	<20	26	0.21	<10	150	<10	8	94
89	G44352	0.5	1.66	20	100	<5	0.66	<1	19	111	239	3.33	<10	1.25	304	294	0.06	55	630	18	<5	<20	24	0.21	<10	161	<10	8	56
90	G44353	0.9	1.69	30	90	<5	0.80	<1	21	104	318	3.47	<10	1.20	291	623	0.05	51	610	18	<5	<20	30	0.17	<10	138	<10	9	52
91	G44354	0.6	1.63	25	105	<5	0.54	<1	20	107	226	3.39	<10	1.26	304	372	0.06	52	620	18	<5	<20	25	0.22	<10	166	<10	8	49
92	G44355	0.2	1.56	10	135	<5	0.41	<1	17	115	141	3.23	<10	1.15	251	131	0.07	55	570	16	<5	<20	20	0.23	<10	156	<10	8	51

QC DATA:

Repeat:

1	G44259	1.2	0.94	10	35	<5	1.35	<1	11	33	201	2.85	<10	0.31	368	1	0.04	2	560	12	<5	<20	20	0.13	<10	64	<10	9	41
10	G44269	0.3	0.73	10	60	<5	2.48	<1	9	50	74	2.17	<10	0.30	861	1	0.08	2	570	10	<5	<20	29	0.13	<10	44	<10	9	48
19	G44278	0.2	1.44	10	80	<5	1.42	<1	13	38	53	2.42	<10	0.50	483	4	0.11	3	630	16	<5	<20	39	0.15	<10	57	<10	8	46
36	G44296	0.2	2.14	25	155	<5	0.78	<1	16	87	60	3.16	<10	1.13	446	3	0.07	39	570	22	<5	<20	52	0.21	<10	135	<10	8	83
45	G44306	0.2	2.12	20	115	<5	1.57	<1	25	114	54	3.49	<10	1.78	485	3	0.10	54	1130	26	<5	<20	60	0.17	<10	118	<10	5	80
54	G44315	0.2	2.20	60	90	<5	1.70	<1	14	116	128	3.16	<10	1.05	314	21	0.10	42	540	22	<5	<20	43	0.13	<10	107	<10	9	53
71	G44333	0.2	1.51	35	170	<5	0.33	<1	13	108	92	2.95	<10	1.09	253	96	0.06	39	490	18	<5	<20	13	0.22	<10	152	<10	6	47
80	G44343	0.3	1.99	20	135	<5	1.32	<1	21	112	123	3.72	<10	1.65	409	168	0.11	51	1010	22	<5	<20	56	0.21	<10	137	<10	7	70

Resplit:

1	G44259	1.2	0.94	15	40	<5	1.52	<1	12	40	220	2.92	<10	0.31	408	1	0.06	2	590	12	<5	<20	23	0.15	<10	65	<10	10	46
36	G44296	0.2	2.21	25	155	<5	0.77	<1	17	96	62	3.22	<10	1.16	453	4	0.07	39	570	22	<5	<20	50	0.22	<10	136	<10	8	84
71	G44333	0.2	1.51	40	155	<5	0.35	<1	14	107	106	3.05	<10	1.12	245	83	0.06	39	520	16	<5	<20	15	0.21	<10	150	<10	6	49

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2007-17** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn

Standard:

PB106	>30	0.51	265	75	<5	1.61	30	3	39	6250	1.40	<10	0.22	535	31	0.02	6	270	5286	55	<20	152	<0.01	<10	16	10	<1	8484
PB106	>30	0.50	275	85	<5	1.67	34	2	40	6357	1.40	<10	0.27	546	32	0.02	6	250	5364	60	<20	143	<0.01	<10	15	10	<1	8454
PB106	>30	0.54	270	80	<5	1.60	37	2	36	6290	1.39	<10	0.20	549	33	0.02	7	260	5370	55	<20	136	<0.01	<10	14	10	<1	8456

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kc/sa
df/n17
XLS/06

CERTIFICATE OF ASSAY AK 2007-0017

TTM Resources 26-Jan-07
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

Attention: Ken MacDonald

No. of samples received: 92
Sample Type: Core
Project: CHU
Shipment #: 3
Submitted by: All North

ET #.	Tag #	Mo (%)
11	G44270	0.062
30	G44290	0.063
49	G44310	0.064
68	G44330	0.061
87	G44350	0.063
90	G44353	0.064

QC DATA:

Repeat:

11	G44270	0.063

Standard:

MP2		0.282

JJ/kc
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-0016

TTM Resources
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

Attention: Ken MacDonald

No. of samples received: 74
Sample Type: Core
Project: CHU
Shipment #: 4
Submitted by: All North

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	G44356	0.3	1.38	15	95	<5	0.63	<1	19	101	201	3.59	<10	1.08	229	374	0.07	44	460	16	<5	<20	41	0.19	<10	137	<10	8	50
2	G44357	0.3	0.95	15	105	<5	0.55	<1	17	121	170	3.27	<10	1.11	261	428	0.05	45	480	14	<5	<20	21	0.21	<10	139	<10	9	51
3	G44358	0.4	1.00	10	90	5	0.47	<1	17	111	320	3.70	<10	0.93	253	680	0.06	45	490	12	<5	<20	17	0.13	<10	106	<10	8	69
4	G44359	0.9	0.97	5	95	<5	0.78	<1	11	103	479	2.45	<10	0.94	229	585	0.09	40	580	10	5	<20	48	0.12	<10	90	130	9	56
5	G44361	0.3	0.77	5	95	<5	0.53	<1	12	76	256	2.80	<10	0.74	180	461	0.07	24	690	8	<5	<20	56	0.11	<10	68	<10	7	36
6	G44362	0.4	0.76	5	85	<5	0.54	<1	14	79	285	3.23	<10	0.77	185	648	0.07	27	730	8	<5	<20	57	0.12	<10	70	20	8	44
7	G44363	0.7	0.81	5	95	<5	0.43	1	15	88	331	3.29	<10	0.74	234	507	0.08	32	500	8	<5	<20	29	0.10	<10	81	30	9	82
8	G44364	0.7	0.72	5	80	<5	0.79	2	14	89	381	3.04	<10	0.65	248	352	0.08	24	740	10	<5	<20	48	0.11	<10	69	10	8	127
9	G44365	<0.2	0.02	<5	30	<5	>10	<1	<1	4	7	0.07	<10	>10	64	3	0.01	1	320	10	<5	<20	108	<0.01	<10	1	<10	2	4
10	G44366	1.3	1.09	10	105	10	0.49	2	14	118	253	3.22	<10	1.09	279	424	0.06	40	590	12	<5	<20	18	0.16	<10	133	10	8	116
11	G44367	0.3	1.54	15	120	<5	0.83	<1	16	123	175	3.48	<10	1.47	250	244	0.06	46	600	16	<5	<20	46	0.20	<10	154	<10	8	53
12	G44368	0.3	1.22	10	120	<5	0.28	<1	15	116	176	3.36	<10	1.14	200	322	0.06	47	460	12	<5	<20	13	0.19	<10	144	<10	8	55
13	G44369	0.5	0.77	10	120	<5	0.75	<1	13	86	254	2.70	<10	0.64	197	341	0.10	19	660	12	<5	<20	45	0.10	<10	63	20	6	53
14	G44370	0.2	0.67	5	115	<5	1.33	<1	4	16	106	2.43	20	0.47	570	614	0.04	17	890	12	<5	<20	118	0.02	<10	25	<10	15	64
15	G44371	1.0	0.55	10	70	5	1.36	<1	9	57	236	2.15	10	0.36	237	224	0.05	7	880	12	<5	<20	43	0.06	<10	23	<10	4	51
16	G44372	0.6	1.00	10	105	<5	0.63	1	15	120	259	2.93	<10	0.98	272	628	0.07	33	490	12	<5	<20	32	0.15	<10	112	<10	7	106
17	G44373	1.3	0.54	5	90	<5	0.71	2	16	51	472	3.00	<10	0.40	229	211	0.06	8	860	8	<5	<20	60	0.06	<10	27	20	4	115
18	G44374	1.2	0.78	10	130	5	0.73	<1	18	111	356	3.23	<10	0.64	305	235	0.09	19	820	10	<5	<20	48	0.10	<10	55	60	6	65
19	G44375	0.5	0.84	5	135	<5	0.60	<1	13	105	176	2.55	<10	0.84	261	510	0.07	24	550	10	<5	<20	46	0.12	<10	85	<10	6	62
20	G44376	0.4	0.85	10	95	<5	0.77	<1	14	107	216	3.00	<10	0.83	232	436	0.06	29	520	10	<5	<20	45	0.12	<10	88	30	7	56
21	G44377	0.5	0.99	15	100	<5	0.52	<1	14	121	273	3.43	<10	0.94	232	536	0.06	39	460	12	<5	<20	25	0.16	<10	114	<10	7	52
22	G44378	0.6	0.78	10	70	<5	1.33	3	16	123	264	3.16	<10	0.71	279	240	0.06	30	670	8	<5	<20	48	0.09	<10	70	10	7	187
23	G44379	0.6	0.58	5	85	<5	1.04	4	13	95	285	2.74	<10	0.51	256	256	0.06	19	670	8	<5	<20	52	0.08	<10	43	30	5	354
24	G44381	0.4	0.45	10	80	<5	0.93	<1	15	89	276	2.78	<10	0.38	174	290	0.05	8	780	10	<5	<20	45	0.06	<10	24	20	4	50
25	G44382	0.4	0.49	5	75	<5	1.31	<1	12	67	163	2.53	10	0.42	272	310	0.05	7	920	12	<5	<20	45	0.06	<10	23	10	5	52
26	G44383	0.3	0.49	5	65	<5	1.41	<1	9	73	125	2.72	10	0.40	229	166	0.04	6	940	10	<5	<20	46	0.05	<10	27	30	4	40
27	G44384	0.4	0.43	5	60	<5	1.49	<1	10	43	190	2.56	10	0.37	236	108	0.04	7	920	10	<5	<20	47	0.04	<10	22	20	5	47
28	G44385	<0.2	0.02	<5	30	<5	>10	<1	<1	4	4	0.05	<10	>10	59	<1	0.01	2	310	15	<5	<20	109	<0.01	<10	1	<10	2	3
29	G44386	0.5	0.52	5	65	<5	0.93	<1	10	52	194	2.24	<10	0.44	224	138	0.04	6	980	10	<5	<20	46	0.07	<10	24	20	4	51
30	G44387	0.6	0.52	5	80	<5	0.90	<1	12	73	269	2.39	<10	0.40	225	129	0.06	6	880	8	<5	<20	45	0.07	<10	23	30	3	38

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	G44388	0.4	0.37	10	50	<5	1.68	<1	12	78	296	2.76	10	0.24	235	630	0.03	11	730	8	<5	<20	40	0.02	<10	18	40	6	37
32	G44389	0.7	0.46	10	45	10	1.35	<1	17	67	531	3.26	10	0.30	209	684	0.03	11	860	12	<5	<20	48	0.02	<10	19	<10	6	42
33	G44390	0.2	0.68	5	115	<5	1.32	<1	4	16	104	2.46	20	0.47	503	630	0.04	18	690	14	<5	<20	119	0.02	<10	26	<10	15	63
34	G44391	0.5	0.52	5	65	<5	0.88	<1	12	59	309	2.44	<10	0.39	238	322	0.03	6	870	10	<5	<20	38	0.06	<10	23	<10	3	51
35	G44392	1.0	0.77	15	60	45	1.48	1	18	78	605	3.73	<10	0.71	403	626	0.03	13	680	12	<5	<20	46	0.05	<10	51	<10	5	65
36	G44393	0.2	0.50	10	55	<5	1.11	<1	8	46	137	2.07	10	0.40	235	64	0.04	6	880	12	<5	<20	45	0.04	<10	22	10	4	46
37	G44394	0.7	0.51	70	55	5	1.35	<1	9	66	501	3.83	10	0.35	292	286	0.05	17	800	12	5	<20	51	0.04	<10	22	70	4	59
38	G44395	0.5	0.58	10	60	<5	1.25	<1	9	74	291	2.53	<10	0.42	285	358	0.04	7	900	10	<5	<20	47	0.05	<10	25	50	4	57
39	G44396	0.5	0.49	10	70	<5	1.33	<1	13	71	278	2.91	10	0.35	232	271	0.05	8	970	12	<5	<20	58	0.04	<10	22	<10	6	52
40	G44397	0.6	0.58	5	75	5	1.18	1	19	66	376	2.88	10	0.54	320	255	0.02	10	1090	12	<5	<20	60	0.06	<10	31	30	6	113
41	G44398	0.7	0.51	10	95	<5	1.48	<1	14	58	368	2.89	10	0.39	281	425	0.03	9	930	46	<5	<20	69	0.04	<10	25	<10	6	107
42	G44399	0.8	0.62	15	95	<5	1.92	1	26	52	578	3.70	10	0.44	420	651	0.06	10	1080	26	<5	<20	72	0.04	<10	32	10	6	80
43	G44401	0.7	1.00	10	130	<5	0.85	2	23	103	478	3.94	<10	1.02	421	1003	0.07	29	750	16	<5	<20	46	0.12	<10	92	<10	6	169
44	G44402	0.8	1.18	25	100	<5	1.47	1	19	102	469	4.17	<10	1.33	521	1294	0.06	30	830	24	<5	<20	38	0.14	<10	117	<10	9	136
45	G44403	1.7	0.72	25	70	<5	1.30	2	20	64	746	3.67	10	0.55	396	389	0.05	10	1030	12	<5	<20	44	0.06	<10	37	<10	6	129
46	G44404	1.8	0.78	10	60	<5	0.86	4	22	75	822	4.21	10	0.54	378	767	0.05	9	960	12	<5	<20	46	0.07	<10	30	<10	5	259
47	G44405	<0.2	0.02	<5	25	<5	>10	<1	<1	4	7	0.07	<10	>10	53	2	0.01	2	310	20	<5	<20	90	<0.01	<10	2	<10	2	5
48	G44406	1.4	0.62	15	65	<5	1.76	1	19	44	534	3.86	<10	0.46	708	1355	0.04	7	930	10	<5	<20	57	0.05	<10	29	20	6	111
49	G44407	2.5	0.60	15	65	15	1.54	6	25	87	914	4.04	<10	0.42	515	813	0.05	9	830	24	<5	<20	51	0.06	<10	26	20	5	424
50	G44408	2.4	0.43	10	60	15	2.67	5	9	49	819	3.06	10	0.40	501	772	0.04	15	810	48	<5	<20	57	0.01	<10	29	80	8	451
51	G44409	0.9	0.78	10	100	<5	1.02	2	17	111	404	3.29	<10	0.71	318	712	0.06	26	600	14	<5	<20	43	0.08	<10	69	20	7	135
52	G44410	0.2	0.70	5	110	<5	1.35	<1	5	17	106	2.45	20	0.48	531	610	0.04	16	720	14	<5	<20	121	0.02	<10	26	<10	15	65
53	G44411	2.2	0.69	5	95	<5	0.50	3	16	89	656	3.70	<10	0.54	305	1277	0.06	14	910	10	<5	<20	30	0.07	<10	40	10	6	216
54	G44412	1.6	0.68	10	105	5	0.87	1	11	69	560	3.49	10	0.58	258	1126	0.06	9	1100	12	<5	<20	42	0.06	<10	40	<10	6	85
55	G44413	1.4	0.64	15	70	<5	0.88	1	16	84	698	3.98	10	0.49	240	980	0.06	7	910	10	<5	<20	44	0.06	<10	29	<10	5	72
56	G44414	1.3	0.58	5	75	10	0.79	1	19	74	521	3.68	10	0.45	217	723	0.07	6	990	10	<5	<20	41	0.06	<10	27	<10	5	75
57	G44415	1.7	0.68	10	75	<5	1.09	<1	13	74	635	3.76	10	0.49	320	1053	0.07	6	1010	10	<5	<20	51	0.06	<10	28	<10	6	53
58	G44416	1.6	0.72	10	70	<5	1.32	1	13	58	680	4.05	<10	0.51	355	637	0.07	6	1050	10	<5	<20	70	0.06	<10	32	<10	6	65
59	G44417	2.2	0.64	5	75	<5	0.89	3	10	77	675	3.33	<10	0.48	334	1377	0.06	6	1080	8	<5	<20	60	0.08	<10	30	<10	5	178
60	G44418	2.5	0.60	20	65	<5	2.03	2	14	76	1102	4.04	10	0.38	400	1277	0.05	6	920	46	<5	<20	64	0.03	<10	19	10	6	145
61	G44419	4.2	0.68	15	85	<5	0.87	2	38	67	1863	6.85	10	0.47	202	1180	0.08	7	1080	18	<5	<20	36	0.04	<10	31	<10	6	97
62	G44421	2.4	0.79	15	65	<5	1.23	1	19	63	1051	4.92	10	0.50	330	1773	0.06	7	1010	14	<5	<20	43	0.05	<10	31	<10	6	74
63	G44422	1.9	0.73	15	65	<5	1.30	2	12	82	797	4.03	<10	0.49	375	1637	0.07	6	1060	12	<5	<20	44	0.05	<10	30	10	6	104
64	G44423	1.7	0.62	20	60	<5	0.88	<1	10	69	638	3.72	10	0.53	254	1234	0.05	7	1030	10	<5	<20	35	0.06	<10	31	10	5	59
65	G44424	1.1	1.01	15	110	<5	0.99	<1	14	128	611	4.83	<10	0.99	314	1086	0.09	39	760	14	<5	<20	32	0.11	<10	98	30	7	65
66	G44425	<0.2	0.05	<5	30	<5	>10	<1	<1	3	5	0.08	<10	>10	50	<1	0.01	1	300	20	<5	<20	93	<0.01	<10	2	<10	2	3
67	G44426	1.0	1.10	25	95	<5	1.15	<1	13	120	425	3.82	<10	1.05	287	879	0.07	32	1020	14	<5	<20	31	0.10	<10	89	20	7	59
68	G44427	0.7	1.24	15	90	<5	3.36	1	12	121	458	4.16	<10	1.13	417	777	0.06	39	960	14	<5	<20	85	0.10	<10	109	<10	7	89
69	G44428	0.5	1.50	10	125	<5	0.50	1	17	117	449	4.87	<10	1.54	460	554	0.10	46	870	16	<5	<20	31	0.16	<10	172	<10	10	112
70	G44429	0.3	1.25	10	100	<5	1.20	<1	13	141	273	3.54	<10	1.15	255	418	0.07	46	520	12	<5	<20	23	0.17	<10	141	<10	8	64

Et #. Tag # Ag Al % As Ba Bi Ca % Cd Co Cr Cu Fe % La Mg % Mn Mo Na % Ni P Pb Sb Sn Sr Ti % U V W Y Zn

71	G44430	0.2	0.68	5	110	<5	1.25	<1	4	16	107	2.45	20	0.47	540	622	0.04	18	700	14	<5	<20	120	0.02	<10	26	<10	15	64
72	G44431	0.2	1.32	15	105	<5	0.56	1	14	131	258	4.07	<10	1.32	313	575	0.07	46	590	14	<5	<20	28	0.16	<10	158	<10	11	104
73	G44432	0.3	1.40	10	95	<5	0.58	<1	16	147	281	4.19	<10	1.27	223	505	0.08	47	530	16	<5	<20	76	0.18	<10	149	<10	7	50
74	G44433	0.4	1.26	15	70	<5	0.71	<1	15	127	271	3.54	<10	1.13	182	385	0.05	36	400	14	<5	<20	28	0.13	<10	130	<10	7	41

QC DATA:

Repeat:

1	G44356	0.3	1.35	15	95	<5	0.60	<1	19	102	198	3.52	<10	1.06	209	376	0.06	44	470	16	<5	<20	40	0.19	<10	136	<10	7	44
10	G44366	1.3	1.11	10	105	10	0.44	2	14	120	260	3.25	<10	1.09	246	424	0.06	40	540	12	<5	<20	18	0.16	<10	134	10	8	102
19	G44375	0.5	0.86	5	135	<5	0.57	<1	13	102	181	2.58	<10	0.85	258	514	0.08	23	540	10	<5	<20	48	0.12	<10	87	<10	7	60
36	G44393	0.2	0.51	10	60	<5	1.14	<1	7	49	132	2.02	10	0.40	224	63	0.04	6	840	8	<5	<20	46	0.04	<10	22	10	4	44
45	G44403	1.7	0.73	20	70	<5	1.40	2	20	65	751	3.68	10	0.56	366	378	0.05	10	1070	12	<5	<20	44	0.05	<10	38	<10	6	119
54	G44412	1.6	0.67	10	105	5	0.84	1	11	68	556	3.45	10	0.57	247	1056	0.06	9	1070	10	<5	<20	42	0.05	<10	39	<10	6	83

Resplit:

1	G44356	0.3	1.41	20	95	<5	0.56	<1	21	127	191	3.59	<10	1.12	251	337	0.07	51	520	20	<5	<20	37	0.20	<10	142	<10	8	54
36	G44393	0.2	0.56	10	60	<5	1.27	<1	9	75	164	2.35	10	0.40	210	59	0.06	8	850	8	<5	<20	53	0.04	<10	23	<10	4	40
72	G44431	0.3	1.35	15	80	<5	0.64	2	17	124	308	4.73	<10	1.32	294	528	0.07	46	560	14	<5	<20	34	0.16	<10	159	<10	12	99

Standard:

PB106		>30	0.52	270	85	<5	1.63	36	4	45	6216	1.58	<10	0.18	547	32	0.03	7	280	5342	60	<20	141	<0.01	<10	13	10	1	8344
PB106		>30	0.51	275	80	<5	1.60	40	3	39	6205	1.65	<10	0.17	565	33	0.02	8	270	5265	55	<20	140	<0.01	<10	14	<10	1	8450
PB106		>30	0.51	270	80	<5	1.65	31	4	43	6194	1.45	<10	0.17	560	30	0.02	7	270	5282	55	<20	145	<0.01	<10	13	<10	1	8384

JJ/kk
df/n16
XLS/06

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2007-0016

TTM Resources
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

26-Jan-07

Attention: Ken MacDonald

No. of samples received: 74
Sample Type: Core
Project: CHU
Shipment #: 4
Submitted by: All North

ET #.	Tag #	Mo (%)
3	G44358	0.068
4	G44359	0.056
6	G44362	0.065
7	G44363	0.053
14	G44370	0.062
16	G44372	0.063
19	G44375	0.052
21	G44377	0.054
31	G44388	0.064
32	G44389	0.066
33	G44390	0.064
35	G44392	0.065
42	G44399	0.063
43	G44401	0.097
44	G44402	0.119
46	G44404	0.074
48	G44406	0.135
49	G44407	0.079
50	G44408	0.077
51	G44409	0.070
52	G44410	0.063
53	G44411	0.129
54	G44412	0.109

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK6-0016

26-Jan-07

ET #.	Tag #	Mo (%)
55	G44413	0.096
56	G44414	0.071
57	G44415	0.105
58	G44416	0.063
59	G44417	0.137
60	G44418	0.127
61	G44419	0.130
62	G44421	0.182
63	G44422	0.165
64	G44423	0.127
65	G44424	0.118
67	G44426	0.089
68	G44427	0.080
69	G44428	0.059
71	G44430	0.063
72	G44431	0.058
73	G44432	0.048

QC DATA:

Repeat:

3	G44358	0.070
21	G44377	0.056
49	G44407	0.078
61	G44419	0.131

Standard:

MP2		0.278
MP2		0.283
MP2		0.283
MP2		0.281

ECO TECH LABORATORY LTD.

JJ/kk
XLS/06

Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2006- 2270

TTM Resources
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

Attention: Ken MacDonald

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 43
Sample Type: Core
Project: CIIV
Shipment #: 2
Submitted by: All North

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	44214	<0.2	0.97	<5	150	<5	2.33	<1	13	38	55	2.43	<10	0.41	735	<1	0.20	4	600	10	<5	<20	33	0.16	<10	76	<10	16	72
2	44215	0.2	1.56	<5	250	<5	2.44	<1	16	31	93	3.26	<10	0.89	808	<1	0.15	4	700	18	<5	<20	33	0.22	<10	98	<10	18	88
3	44216	<0.2	1.18	<5	210	<5	1.54	<1	15	37	32	3.31	<10	0.74	581	<1	0.15	4	610	14	<5	<20	27	0.21	<10	98	<10	17	56
4	44217	<0.2	1.99	<5	190	<5	1.63	<1	17	32	67	3.18	<10	0.91	579	<1	0.15	5	670	22	<5	<20	46	0.19	<10	108	<10	13	101
5	44218	0.4	1.58	<5	140	<5	0.87	3	14	34	186	2.59	<10	0.94	430	<1	0.16	3	520	18	<5	<20	23	0.15	<10	74	<10	13	253
6	44219	<0.2	1.89	<5	310	5	0.71	<1	16	26	42	3.37	<10	1.30	541	<1	0.16	4	590	24	<5	<20	22	0.22	<10	116	<10	18	80
7	44221	0.2	2.23	<5	355	<5	1.39	<1	20	18	108	3.86	<10	1.30	706	<1	0.16	7	780	26	5	<20	68	0.25	<10	166	<10	14	80
8	44222	<0.2	2.26	<5	335	<5	0.96	<1	22	12	117	4.01	<10	1.16	646	<1	0.18	6	940	26	<5	<20	42	0.25	<10	179	<10	9	91
9	44223	<0.2	2.60	<5	255	<5	1.61	<1	22	8	93	3.87	<10	0.99	607	<1	0.25	5	770	24	<5	<20	79	0.24	<10	173	<10	5	87
10	44224	<0.2	2.15	5	160	<5	1.55	<1	13	21	66	2.72	<10	0.58	464	<1	0.17	3	700	20	<5	<20	67	0.16	<10	81	<10	9	59
11	44225	<0.2	0.04	5	15	<5	>10	<1	<1	4	4	0.08	<10	>10	75	<1	<0.01	<1	290	<2	35	<20	120	<0.01	<10	3	<10	1	5
12	44226	<0.2	2.39	5	145	<5	1.98	<1	15	45	39	2.74	<10	1.11	413	<1	0.21	13	800	24	<5	<20	120	0.15	<10	81	<10	6	53
13	44227	<0.2	2.11	<5	280	<5	2.54	<1	28	90	39	4.60	<10	2.14	502	<1	0.21	46	1830	20	<5	<20	183	0.20	<10	161	<10	6	65
14	44228	<0.2	1.62	<5	160	<5	1.70	<1	20	62	49	3.50	<10	1.39	443	<1	0.17	25	1120	12	<5	<20	73	0.16	<10	113	<10	8	60
15	44229	0.3	1.32	<5	180	<5	0.82	1	11	37	85	2.53	<10	0.73	441	<1	0.16	4	510	14	<5	<20	29	0.15	<10	71	<10	16	86
16	44230	<0.2	0.68	<5	125	<5	1.25	<1	7	18	120	2.23	20	0.46	589	651	0.04	14	720	12	<5	<20	123	0.02	<10	30	<10	17	70
17	44231	<0.2	1.04	<5	125	<5	0.93	<1	16	28	38	2.17	<10	0.56	450	2	0.14	2	520	12	<5	<20	13	0.15	<10	62	<10	14	58
18	44232	<0.2	0.93	<5	110	<5	1.09	<1	10	39	68	2.07	<10	0.47	402	<1	0.13	4	520	10	<5	<20	21	0.14	<10	63	<10	14	59
19	44233	0.5	1.03	<5	110	<5	0.75	1	10	36	93	2.22	<10	0.55	400	<1	0.10	4	540	10	<5	<20	15	0.14	<10	67	<10	13	110
20	44234	<0.2	0.86	<5	85	<5	0.63	<1	9	42	85	2.01	<10	0.43	374	<1	0.11	2	530	10	<5	<20	13	0.14	<10	60	<10	15	42
21	44235	0.2	0.86	<5	85	<5	0.97	<1	9	36	80	1.85	<10	0.39	379	<1	0.10	3	520	12	<5	<20	25	0.13	<10	56	<10	17	41
22	44236	0.3	0.80	<5	105	<5	0.85	1	9	49	66	1.98	<10	0.34	407	<1	0.16	4	500	10	<5	<20	22	0.12	<10	59	<10	15	75
23	44237	0.8	0.64	<5	65	<5	3.21	3	9	43	174	2.21	<10	0.29	1196	<1	0.12	3	530	8	<5	<20	34	0.11	<10	50	<10	16	196
24	44238	0.3	0.82	<5	55	<5	6.11	<1	8	32	94	1.99	<10	0.30	2058	<1	0.11	3	510	10	<5	<20	69	0.09	<10	55	<10	16	67
25	44239	1.1	0.62	<5	45	5	5.31	3	9	28	65	2.08	<10	0.24	1537	<1	0.14	3	520	6	<5	<20	67	0.09	<10	43	<10	16	294

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2006- 2270** **TTM Resources**

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	44241	0.2	1.47	<5	90	<5	4.84	<1	11	27	65	2.44	<10	0.40	1414	<1	0.17	3	670	10	<5	<20	73	0.13	<10	72	<10	14	67
27	44242	0.6	0.61	<5	65	25	2.83	3	9	37	101	2.21	<10	0.23	938	<1	0.13	2	500	8	<5	<20	31	0.10	<10	49	<10	15	227
28	44243	0.2	0.68	<5	40	<5	3.55	3	8	29	82	1.91	<10	0.26	1102	<1	0.09	2	490	6	<5	<20	47	0.10	<10	48	<10	13	234
29	44244	<0.2	0.90	<5	100	<5	0.86	<1	9	46	66	2.19	<10	0.32	444	<1	0.10	3	500	10	<5	<20	14	0.12	<10	58	<10	14	48
30	44245	<0.2	0.04	5	35	<5	>10	<1	<1	3	6	0.07	<10	>10	72	<1	<0.01	<1	340	<2	30	<20	119	<0.01	<10	2	<10	4	6
31	44246	<0.2	0.69	<5	80	<5	1.13	<1	9	44	56	2.02	<10	0.27	372	<1	0.11	3	490	8	<5	<20	17	0.11	<10	52	<10	12	36
32	44247	0.2	0.71	<5	90	<5	2.30	<1	9	37	77	1.96	<10	0.26	625	<1	0.09	2	530	10	<5	<20	32	0.10	<10	48	<10	15	47
33	44248	0.3	0.68	<5	65	<5	1.13	<1	8	46	100	1.81	<10	0.23	452	<1	0.08	4	460	8	<5	<20	32	0.08	<10	60	<10	11	45
34	44249	1.9	1.01	<5	60	175	1.14	7	9	44	429	2.68	<10	0.36	499	<1	0.11	3	470	10	<5	<20	19	0.08	<10	56	<10	8	356
35	44250	<0.2	0.69	<5	125	<5	1.28	<1	7	18	126	2.28	20	0.48	605	610	0.05	15	710	12	<5	<20	128	0.02	<10	31	<10	17	71
36	44251	0.3	1.15	<5	45	<5	3.03	<1	9	39	170	1.86	<10	0.31	807	2	0.14	2	500	14	<5	<20	58	0.09	<10	64	<10	11	39
37	44252	0.3	0.81	5	45	15	1.93	1	10	35	150	2.37	<10	0.32	703	<1	0.11	3	520	8	<5	<20	19	0.10	<10	68	<10	9	66
38	44253	1.2	0.71	<5	60	<5	2.58	4	9	32	219	1.90	<10	0.29	925	<1	0.17	3	550	6	<5	<20	34	0.11	<10	64	<10	14	209
39	44254	0.5	0.74	<5	60	<5	2.53	4	10	29	86	2.03	<10	0.26	868	<1	0.13	3	580	6	<5	<20	36	0.12	<10	78	<10	15	209
40	44255	<0.2	0.82	<5	105	<5	2.10	<1	11	33	43	2.65	<10	0.39	767	<1	0.16	3	580	10	<5	<20	26	0.15	<10	76	<10	17	48
41	44256	0.5	0.96	<5	110	<5	0.66	<1	13	39	84	2.66	<10	0.47	438	<1	0.14	4	540	16	<5	<20	17	0.16	<10	87	<10	15	111
42	44257	0.4	0.97	<5	110	10	0.86	<1	13	33	48	2.68	<10	0.44	456	<1	0.16	3	560	14	<5	<20	16	0.18	<10	78	<10	13	69
43	44258	0.8	1.02	<5	125	<5	0.76	2	15	32	114	3.11	<10	0.47	476	<1	0.12	5	610	16	<5	<20	14	0.18	<10	99	<10	14	164
QC DATA:																													
Repeat:																													
1	44214	<0.2	0.87	<5	125	<5	2.28	<1	12	35	54	2.41	<10	0.42	728	<1	0.17	4	590	8	<5	<20	29	0.14	<10	76	<10	13	71
10	44224	<0.2	1.99	<5	155	<5	1.50	<1	12	19	58	2.66	<10	0.55	448	<1	0.15	3	710	22	<5	<20	61	0.15	<10	77	<10	7	59
19	44233	0.5	0.98	<5	105	<5	0.74	2	10	36	92	2.20	<10	0.54	395	<1	0.09	3	540	12	<5	<20	15	0.13	<10	65	<10	13	112
Resplit:																													
1	44214	<0.2	0.86	<5	135	<5	2.39	1	12	37	56	2.38	<10	0.38	822	<1	0.16	4	570	8	<5	<20	33	0.13	<10	74	<10	14	86
36	44251	0.4	1.12	5	45	<5	2.95	<1	9	35	185	2.04	<10	0.30	769	2	0.12	2	480	14	<5	<20	60	0.09	<10	60	<10	9	41
Standard:																													
Pb106		>30	0.55	275	60	<5	1.74	41	4	41	6253	1.40	<10	0.22	509	30	0.02	7	280	5240	55	<20	136	<0.01	<10	14	10	<1	8488
Pb106		>30	0.56	280	60	<5	1.75	41	4	41	6219	1.40	<10	0.22	505	31	0.02	7	270	5240	55	<20	139	<0.01	<10	16	10	<1	8484

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/bp
df/2270
XLS/06

CERTIFICATE OF ASSAY AK 2007-31

TTM Resources 26-Jan-07
P.O. Box 968 Pulpmill Road
Prince George, BC
V2L 4V1

Attention: Ken MacDonald

No. of samples received: 64
Sample Type: Core
Project: CHU
Shipment #: 6
Submitted by: All North Cons.

ET #.	Tag #	Mo (%)
5	44550	0.065
24	44570	0.064
30	44576	0.082
40	44587	0.066
43	44590	0.063
45	44592	0.049
47	44594	0.094
48	44595	0.128
50	44597	0.050
52	44599	0.103
53	44601	0.074
54	44602	0.075
55	44603	0.054
56	44604	0.097
58	44606	0.053
60	44608	0.077
62	44610	0.064

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

TTM Resources AK7-31 26-Jan-07

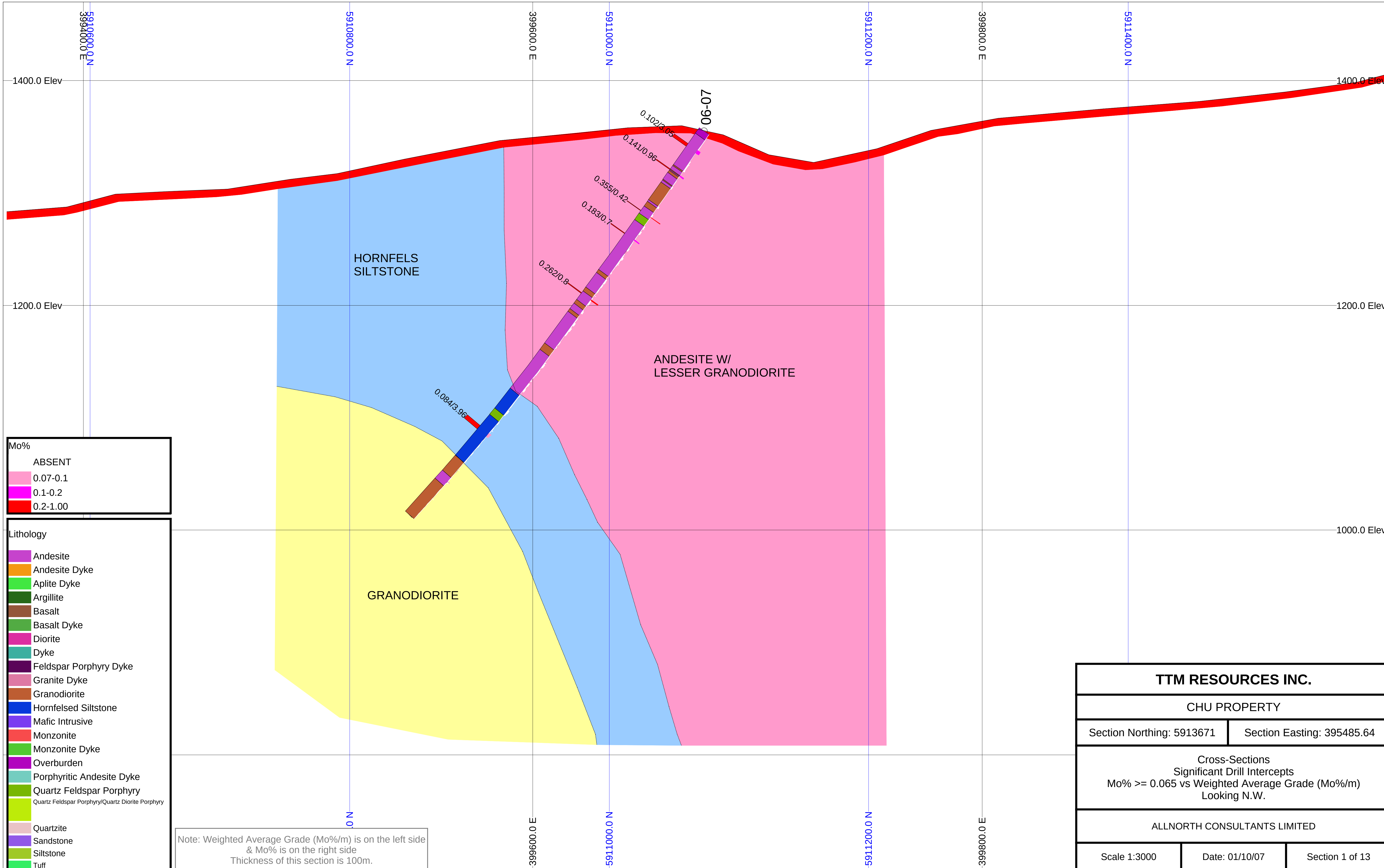
ET #.	Tag #	Mo (%)
QC DATA:		
Repeat:		
5	44550	0.064
47	44594	0.095
Standard:		
MP2		0.281
MP2		0.280
MP2		0.282

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

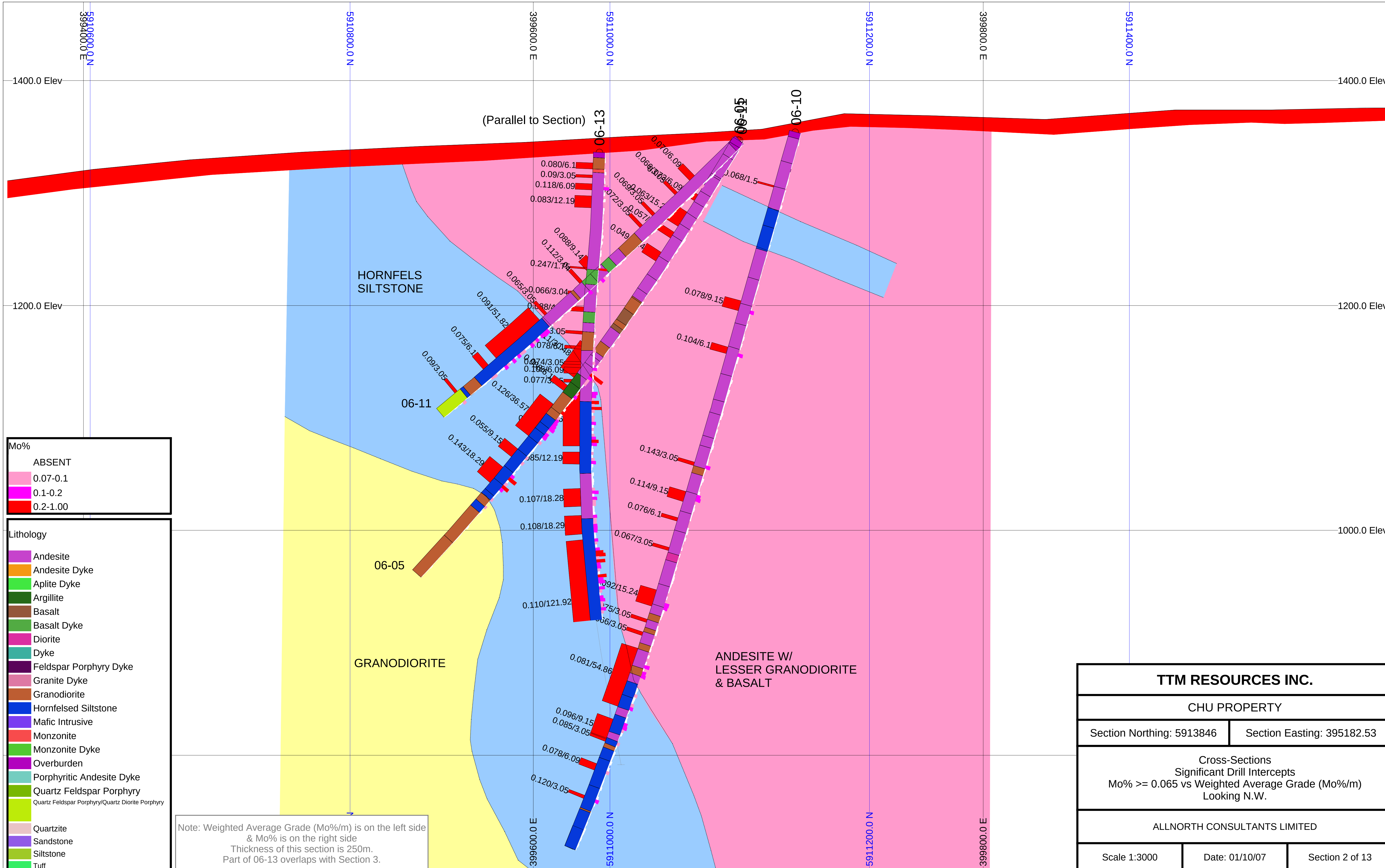
JJ/dc
XLS/06

APPENDIX VI

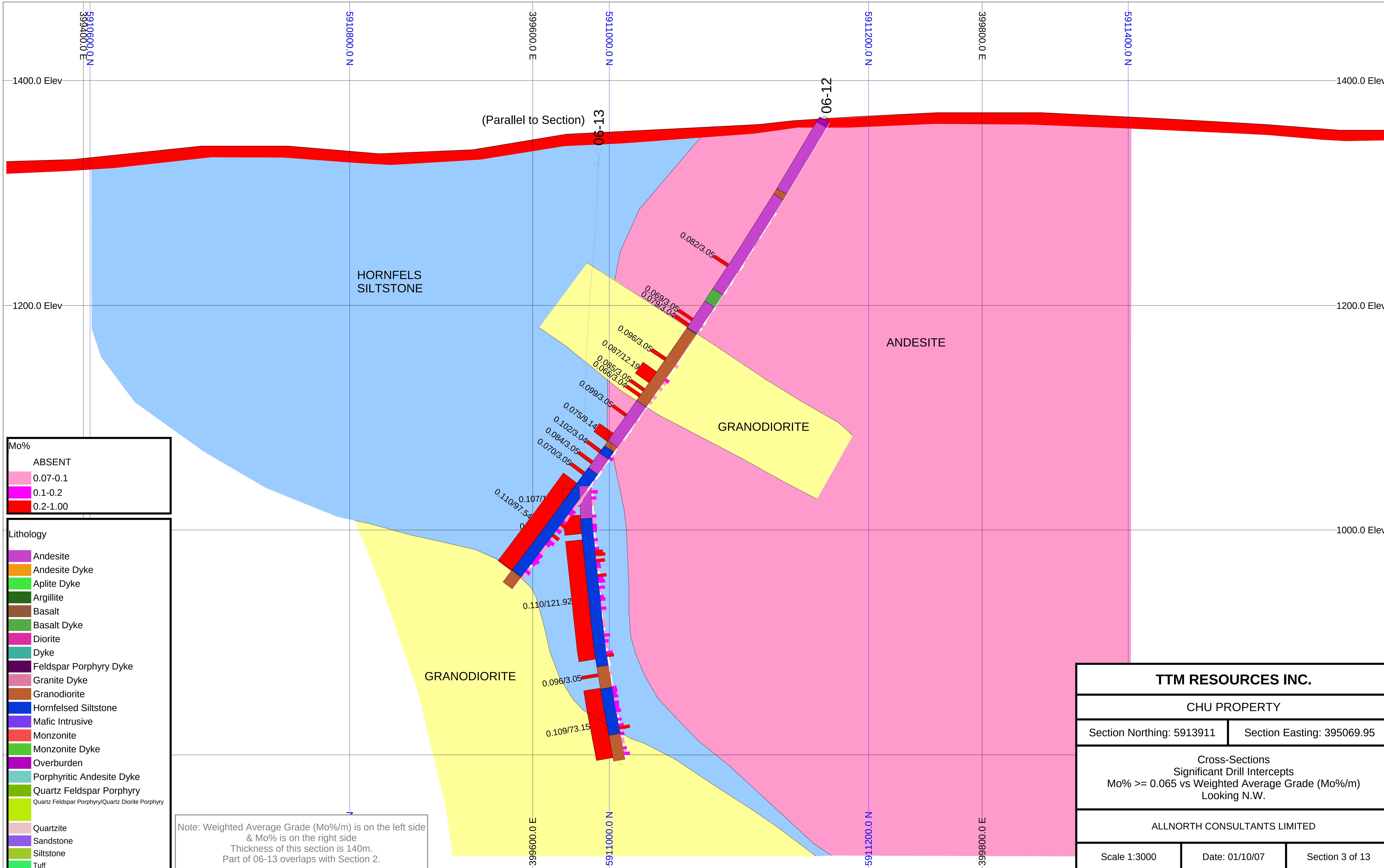
Cross Sections



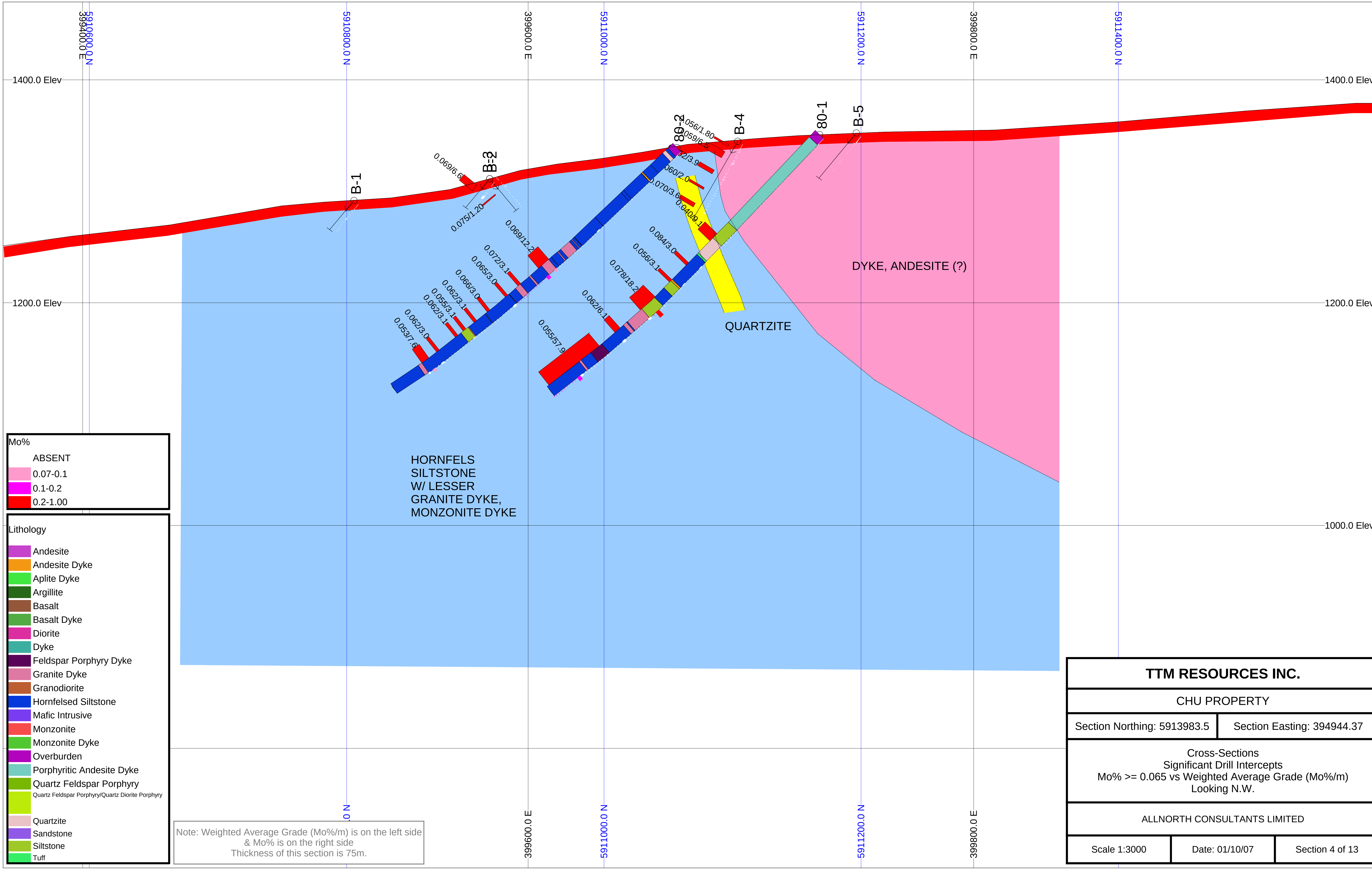
399400.0 E
5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
1400.0 Elev
1200.0 Elev
1000.0 Elev
06-07
0.102/3.05
0.141/0.96
0.355/0.42
0.183/0.7
0.262/0.8
0.084/3.96
HORNFELS
SILTSTONE
ANDESITE W/
LESSER GRANODIORITE
GRANODIORITE
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 100m.
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5913671
Section Easting: 395485.64
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 1 of 13



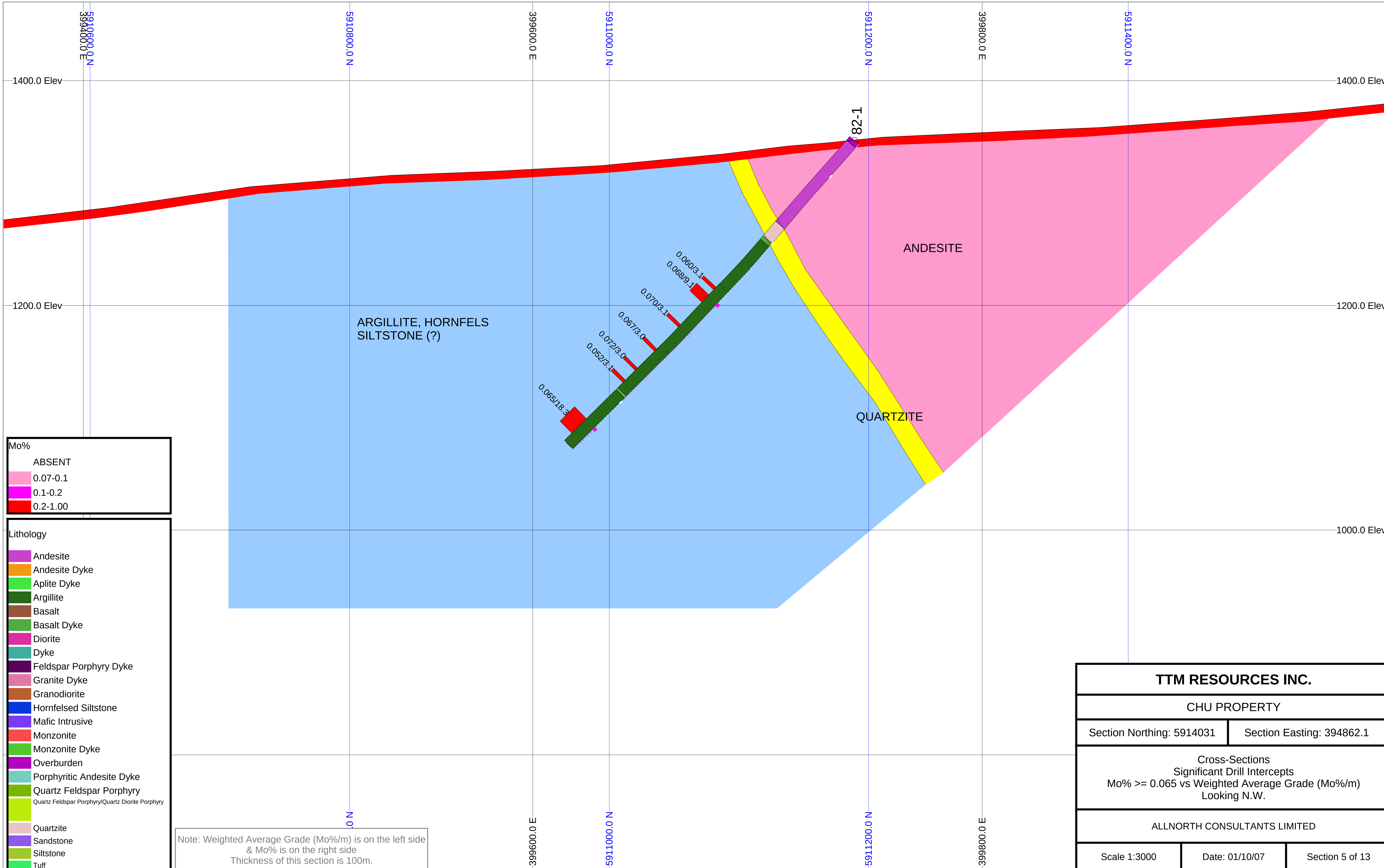
1400.0 Elev
1200.0 Elev
1000.0 Elev
399400.0 E
5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
(Parallel to Section)
06-13
06-05
06-11
06-10
HORNFELS
SILTSTONE
GRANODIORITE
ANDESITE W/
LESSER GRANODIORITE
& BASALT
0.080/6.1
0.09/3.05
0.118/6.09
0.083/12.19
0.247/1.75
0.066/3.04
0.068/1.5
0.078/9.15
0.104/6.1
0.143/3.05
0.114/9.15
0.076/6.1
0.067/3.05
0.110/121.92
0.081/54.86
0.096/9.15
0.085/3.05
0.078/6.09
0.120/3.05
0.107/18.28
0.108/18.29
0.091/51.82
0.075/6.1
0.09/3.05
0.126/36.57
0.055/9.15
0.143/18.29
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 250m.
Part of 06-13 overlaps with Section 3.
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5913846
Section Easting: 395182.53
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 2 of 13



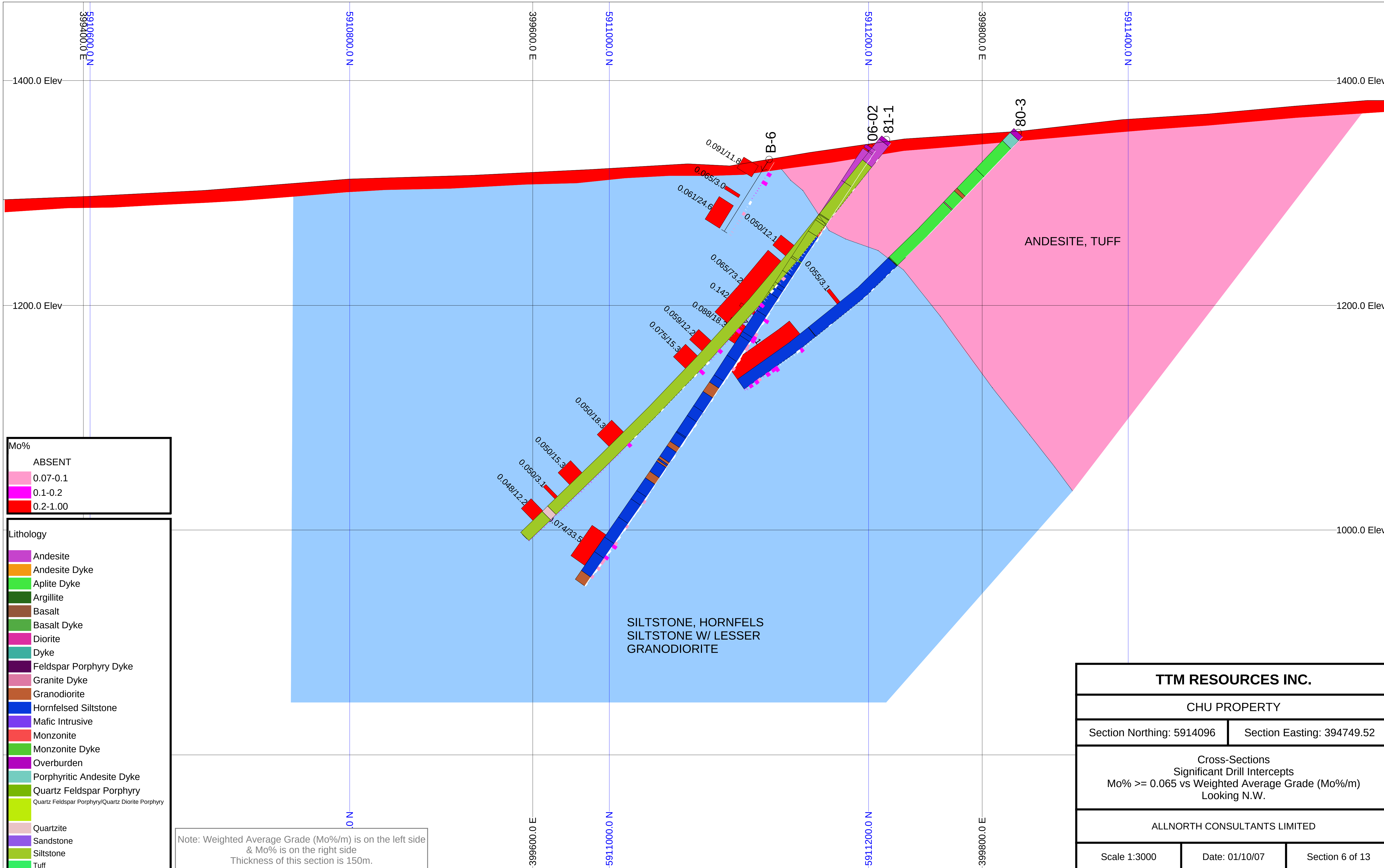
1400.0 Elev
1200.0 Elev
1000.0 Elev
399400.0 E
5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
(Parallel to Section)
06-13
06-12
HORNFELS
SILTSTONE
ANDESITE
GRANODIORITE
GRANODIORITE
0.082/3.05
0.069/3.05
0.079/3.04
0.096/3.05
0.087/12.19
0.085/3.05
0.066/3.04
0.099/3.05
0.075/9.14
0.102/3.04
0.084/3.05
0.070/3.05
0.110/97.54
0.110/121.92
0.096/3.05
0.109/73.15
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 140m.
Part of 06-13 overlaps with Section 2.
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5913911
Section Easting: 395069.95
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 3 of 13



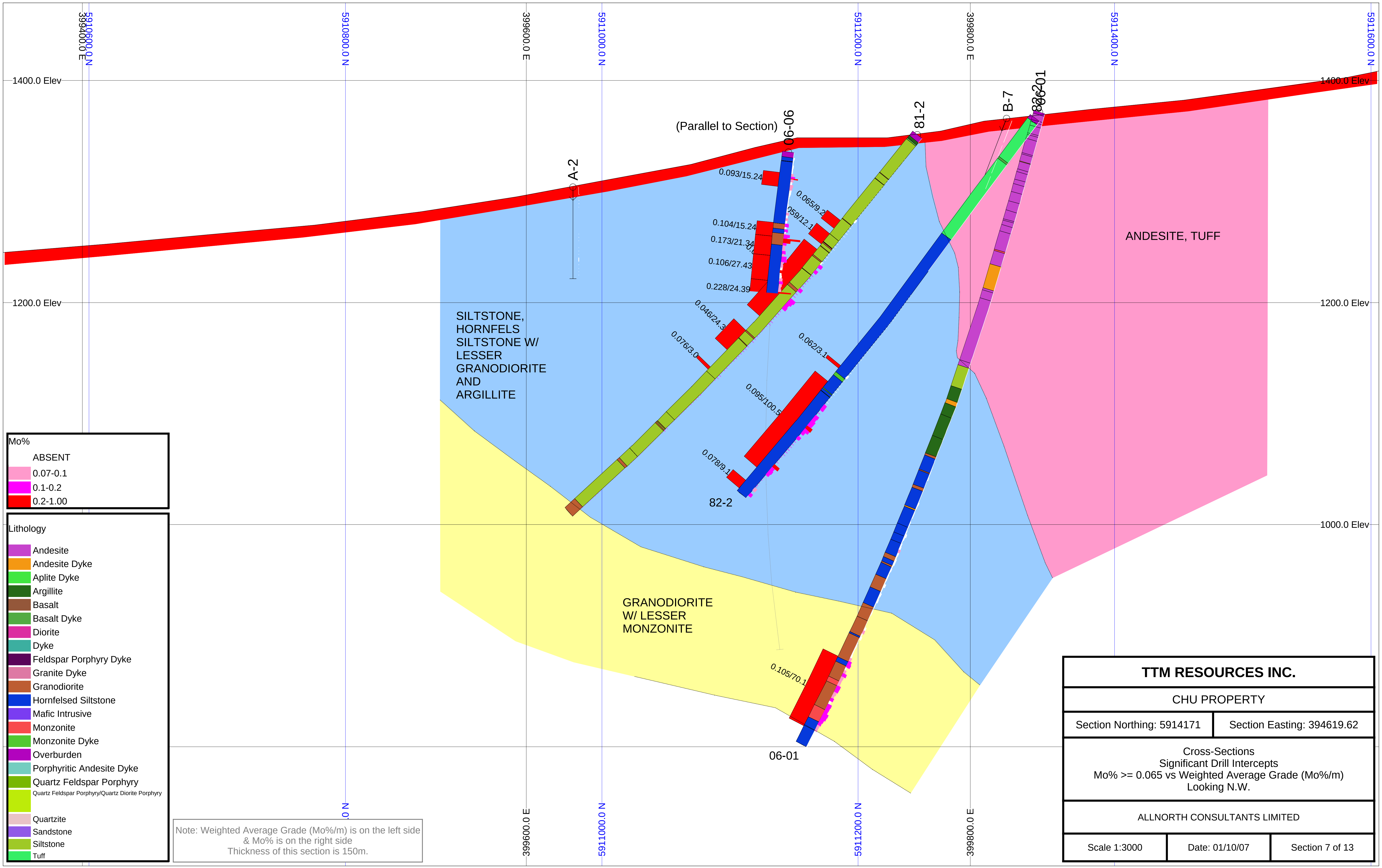
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5913983.5
Section Easting: 394944.37
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 4 of 13
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 75m.
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
HORNFELS
SILTSTONE
W/ LESSER
GRANITE DYKE,
MONZONITE DYKE
DYKE, ANDESITE (?)
QUARTZITE
1400.0 Elev
1200.0 Elev
1000.0 Elev
399400.0 E
399600.0 E
399800.0 E
5910600.0 N
5910800.0 N
5911000.0 N
5911200.0 N
5911400.0 N
5911600.0 N
B-1
B-3
80-2
B-4
80-1
B-5
0.069/6.6
0.075/1.20
0.069/12.2
0.072/3.1
0.065/3.0
0.066/3.0
0.062/3.1
0.055/3.1
0.062/3.1
0.062/3.0
0.053/7.6
0.056/1.80
0.059/6.8
0.070/3.6
0.040/9.1
0.084/3.0
0.056/3.1
0.078/18.2
0.062/6.1
0.055/57.9



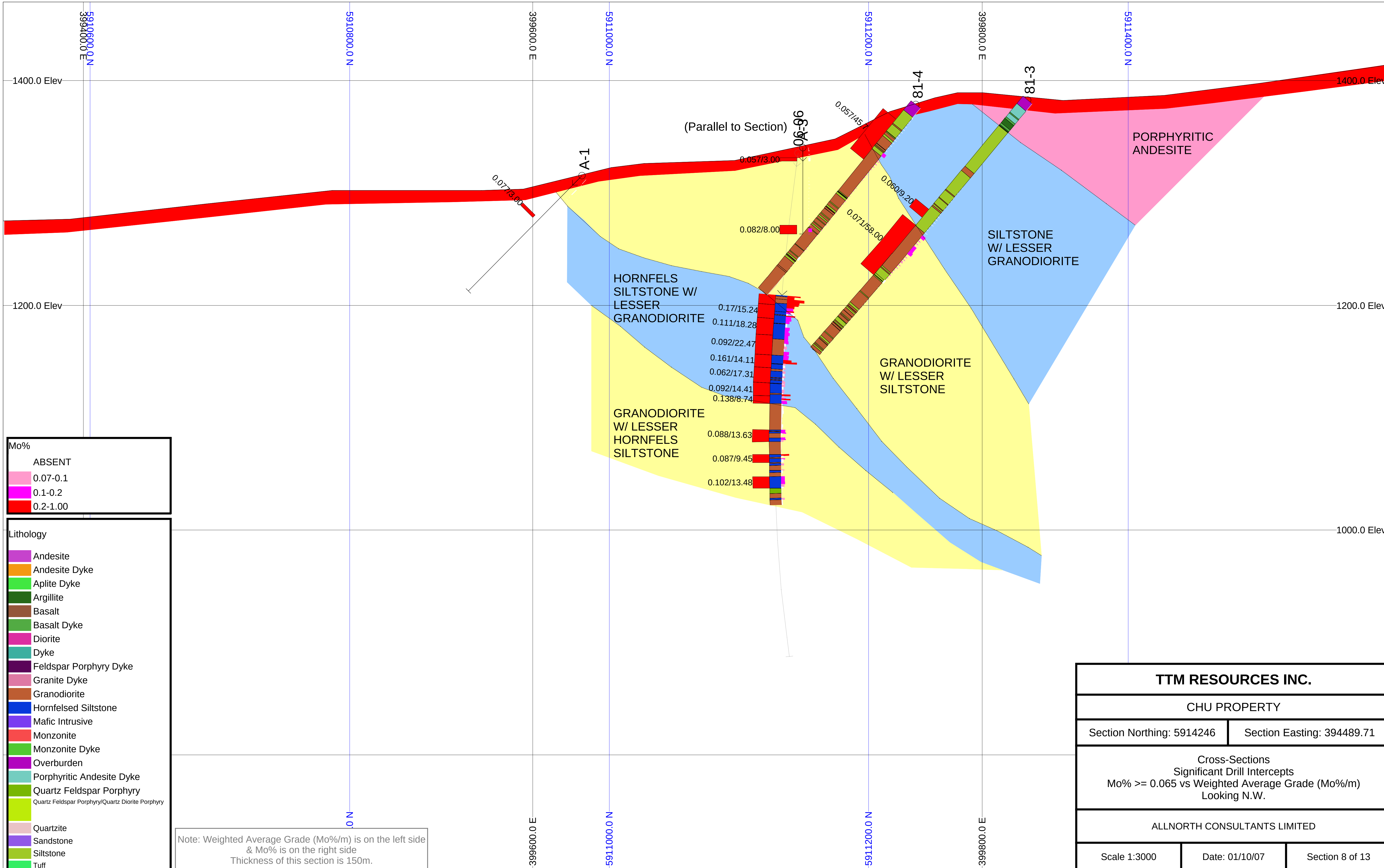
399400.0 E
5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
1400.0 Elev
1200.0 Elev
1000.0 Elev
82-1
ANDESITE
ARGILLITE, HORNFELS
SILTSTONE (?)
QUARTZITE
0.060/3.1
0.068/9.1
0.070/3.1
0.067/3.0
0.072/3.0
0.052/3.1
0.065/18.3
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 100m.
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5914031
Section Easting: 394862.1
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 5 of 13



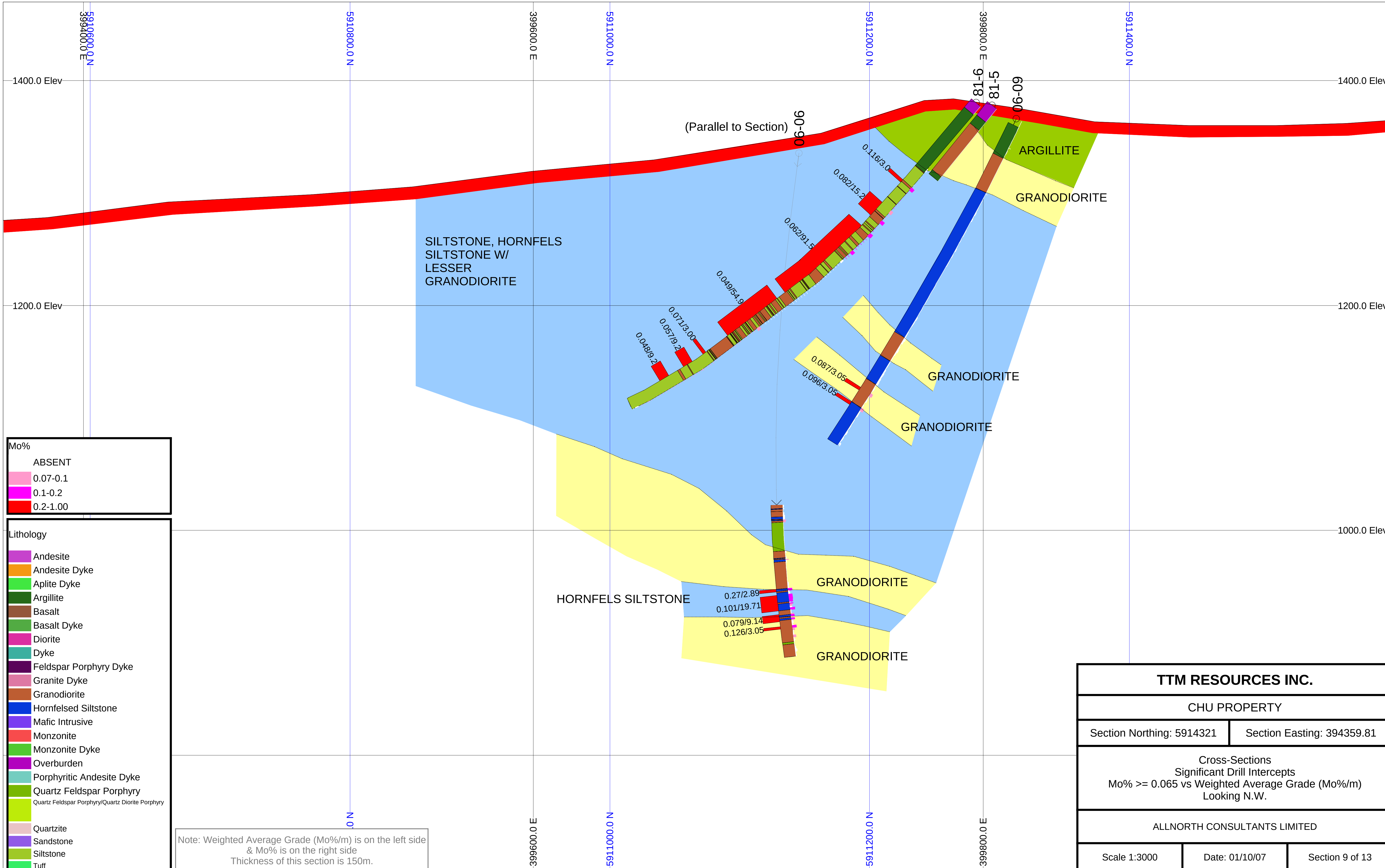
399400.0 E
5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
1400.0 Elev
1200.0 Elev
1000.0 Elev
B-6
06-02
81-1
80-3
0.091/11.8
0.065/3.0
0.061/24.6
0.050/12.1
0.065/73.2
0.142
0.055/3.1
0.088/18.3
0.059/12.2
0.075/15.3
0.050/18.3
0.050/15.3
0.050/3.1
0.048/12.2
0.074/33.5
ANDESITE, TUFF
SILTSTONE, HORNFELS
SILTSTONE W/ LESSER
GRANODIORITE
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 150m.
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5914096
Section Easting: 394749.52
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 6 of 13



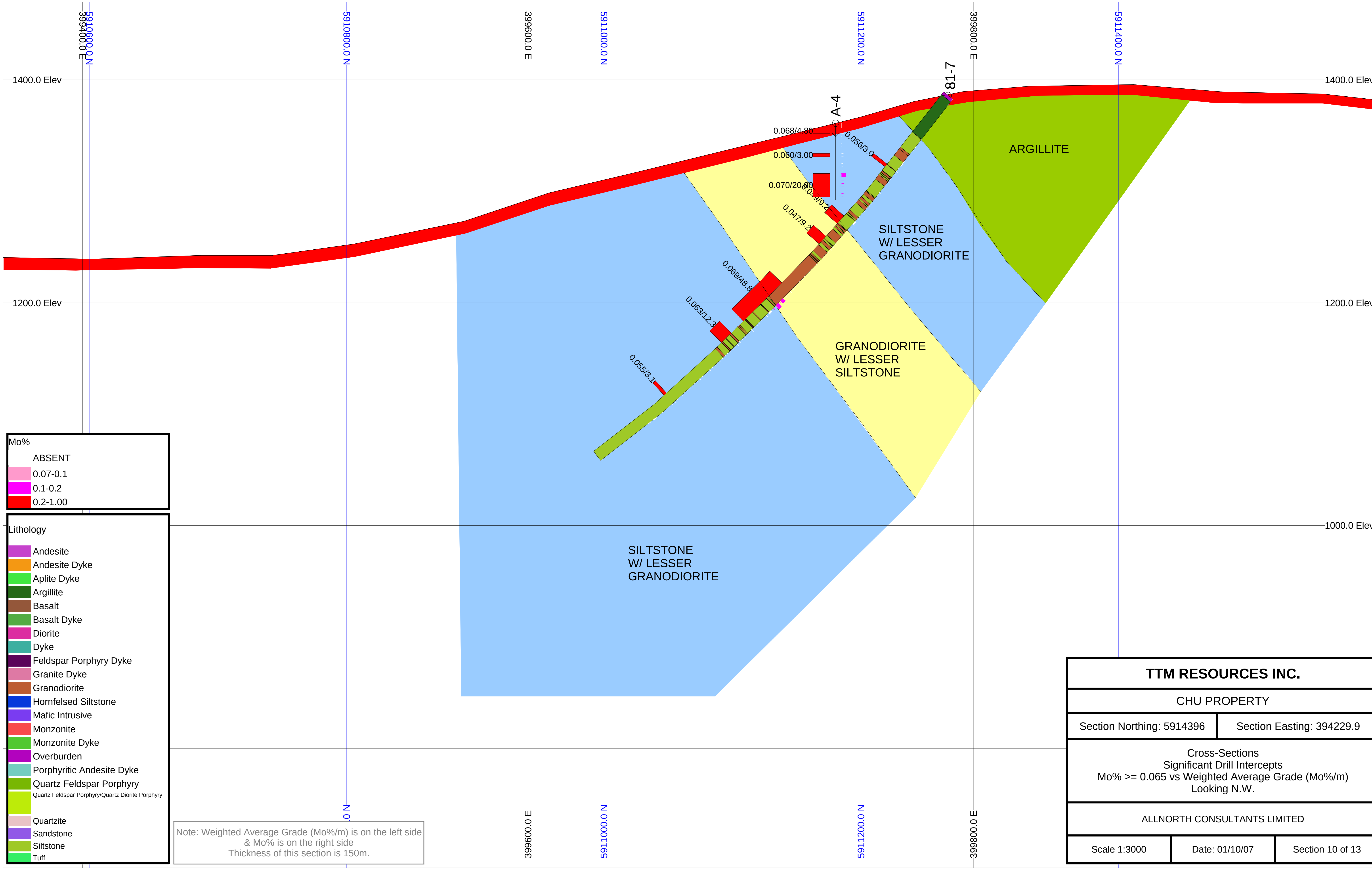
399400.0 E
5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
1400.0 Elev
1200.0 Elev
1000.0 Elev
A-2
(Parallel to Section)
06-06
81-2
B-7
83-2
06-01
0.093/15.24
0.065/9.2
0.059/12.1
0.104/15.24
0.173/21.34
0.106/27.43
0.228/24.39
0.046/24.3
0.076/3.0
0.062/3.1
0.095/100.5
0.078/9.1
82-2
0.105/70.1
ANDESITE, TUFF
SILTSTONE, HORNFELS SILTSTONE W/ LESSER GRANODIORITE AND ARGILLITE
GRANODIORITE W/ LESSER MONZONITE
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side & Mo% is on the right side
Thickness of this section is 150m.
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5914171
Section Easting: 394619.62
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 7 of 13

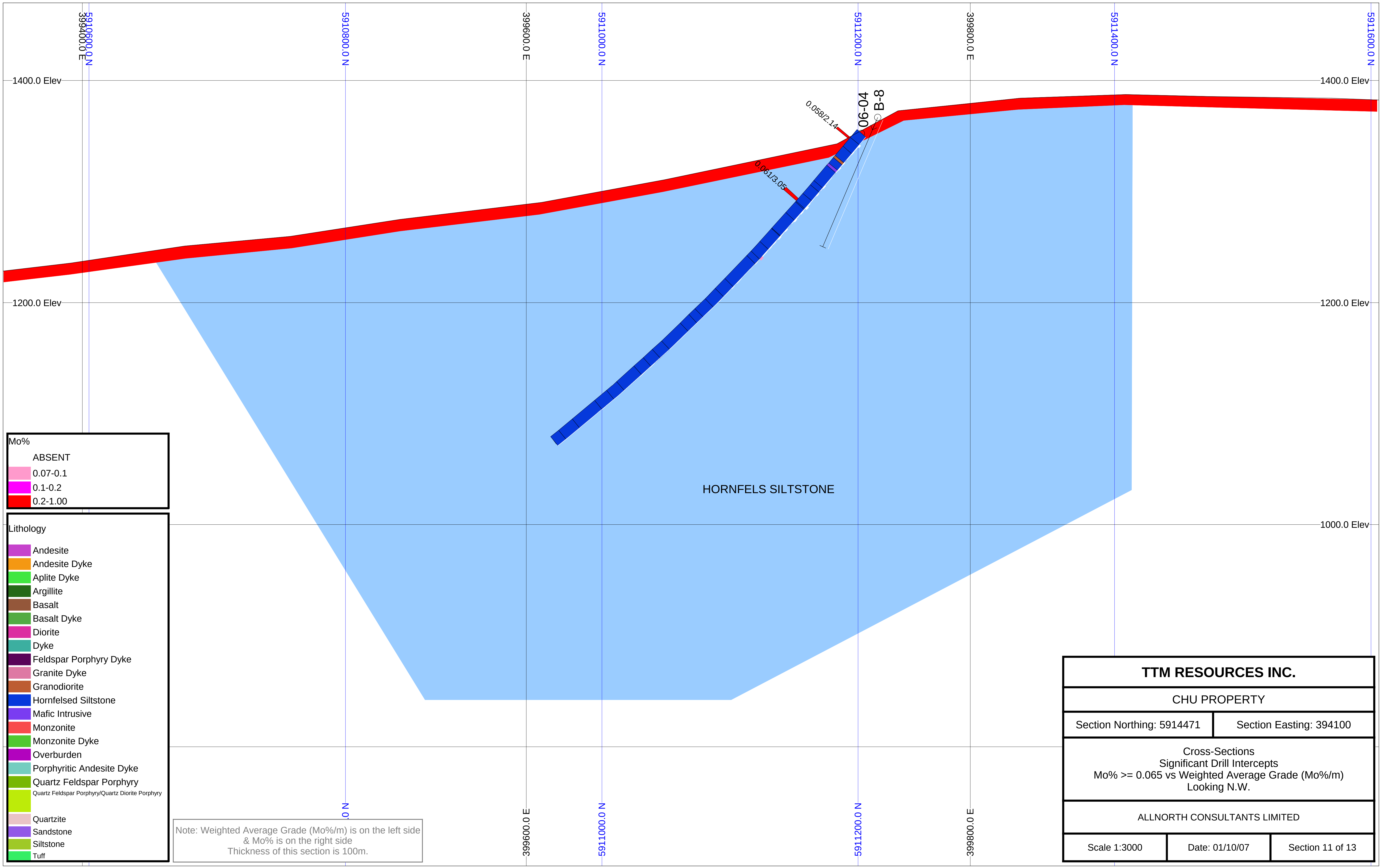


399400.0 E
5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
1400.0 Elev
1200.0 Elev
1000.0 Elev
A-1
(Parallel to Section)
06-06
A-3
81-4
81-3
0.07/3.00
0.057/3.00
0.057/45
0.060/9.20
0.082/8.00
0.071/58.00
0.17/15.24
0.111/18.28
0.092/22.47
0.161/14.11
0.062/17.31
0.092/14.41
0.138/8.74
0.088/13.63
0.087/9.45
0.102/13.48
PORPHYRITIC ANDESITE
SILTSTONE W/ LESSER GRANODIORITE
HORNFELS SILTSTONE W/ LESSER GRANODIORITE
GRANODIORITE W/ LESSER SILTSTONE
GRANODIORITE W/ LESSER HORNFELS SILTSTONE
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side & Mo% is on the right side
Thickness of this section is 150m.
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5914246
Section Easting: 394489.71
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 8 of 13

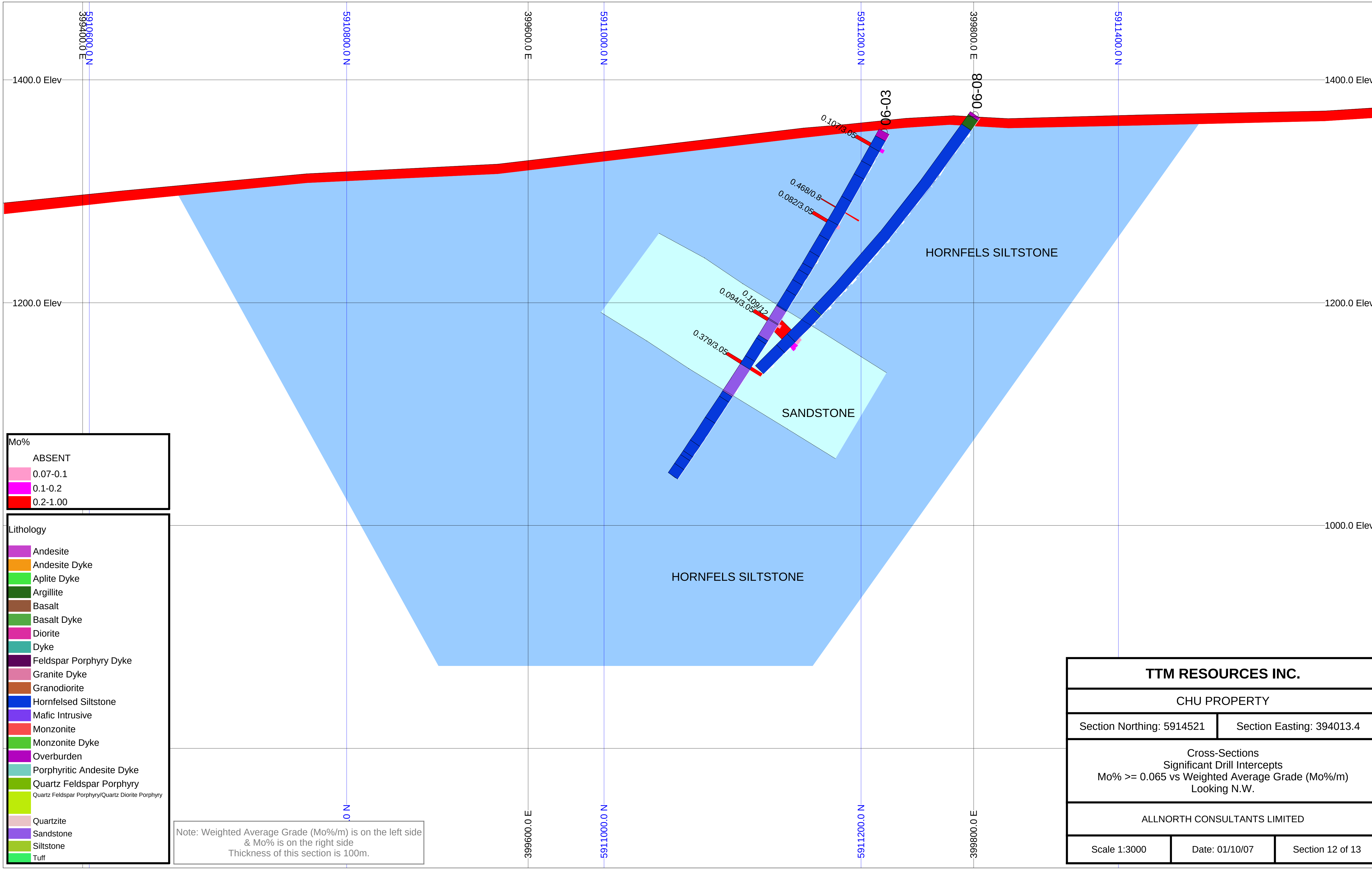


1400.0 Elev
1200.0 Elev
1000.0 Elev
399400.0 E
5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
(Parallel to Section)
06-06
81-6
81-5
06-09
ARGILLITE
GRANODIORITE
SILTSTONE, HORNFELS
SILTSTONE W/
LESSER
GRANODIORITE
0.116/3.0
0.082/15.2
0.062/91.5
0.049/54.9
0.071/3.00
0.057/9.2
0.048/9.2
0.087/3.05
0.096/3.05
GRANODIORITE
GRANODIORITE
HORNFELS SILTSTONE
GRANODIORITE
0.27/2.89
0.101/19.71
0.079/9.14
0.126/3.05
GRANODIORITE
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 150m.
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5914321
Section Easting: 394359.81
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 9 of 13

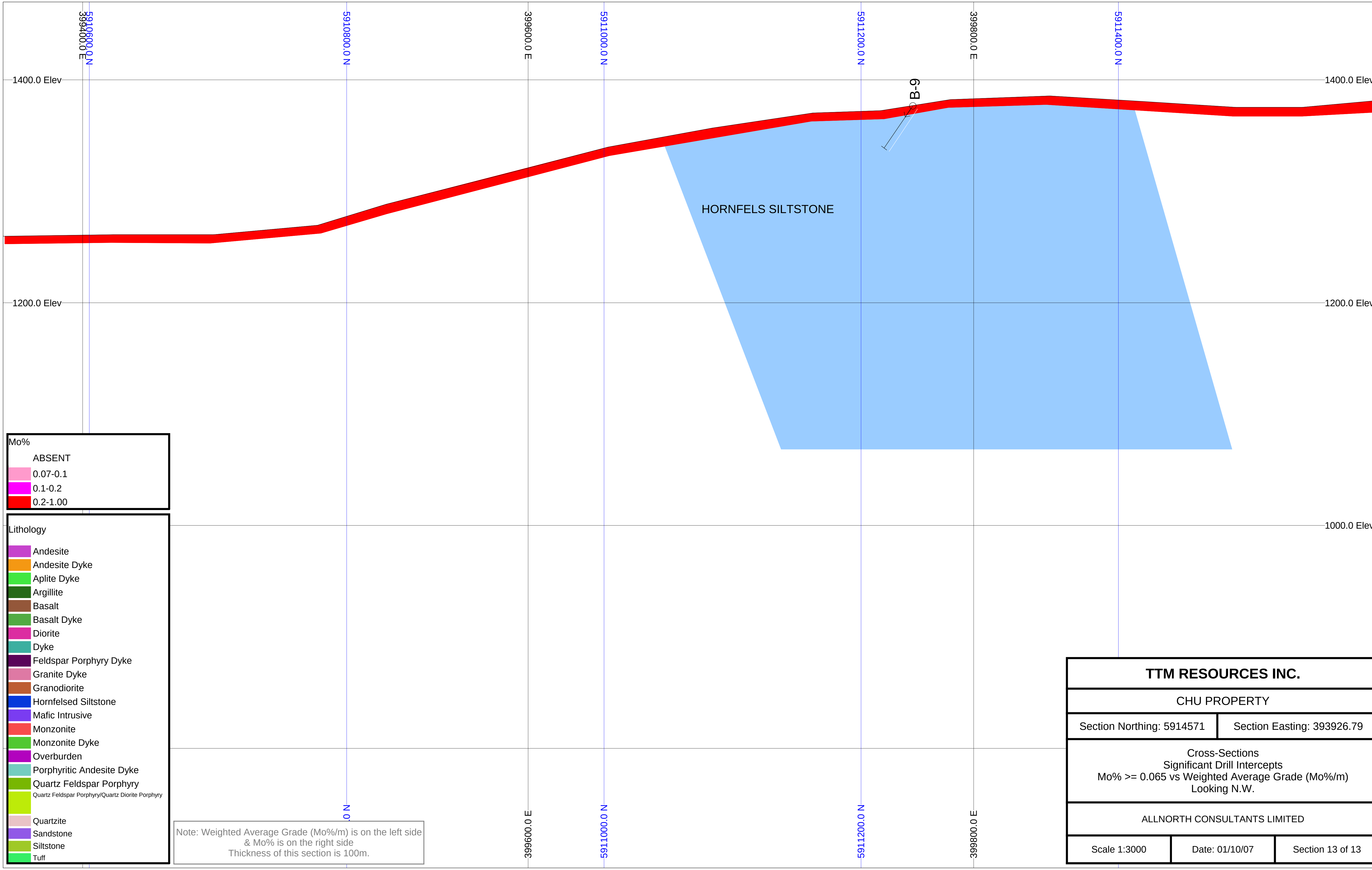

399400.0 E
5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
1400.0 Elev
1200.0 Elev
1000.0 Elev
A-4
81-7
0.068/4.80
0.060/3.00
0.070/20.80
0.047/9.2
0.056/3.0
0.069/48.8
0.063/12.3
0.055/3.1
ARGILLITE
SILTSTONE
W/ LESSER
GRANODIORITE
GRANODIORITE
W/ LESSER
SILTSTONE
SILTSTONE
W/ LESSER
GRANODIORITE
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 150m.
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5914396
Section Easting: 394229.9
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 10 of 13



5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
1400.0 Elev
1200.0 Elev
1000.0 Elev
06-04
B-8
0.058/2.14
0.061/3.05
HORNFELS SILTSTONE
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 100m.
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5914471
Section Easting: 394100
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 11 of 13



399400.0 E
5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
1400.0 Elev
1200.0 Elev
1000.0 Elev
06-03
06-08
0.107/3.05
0.468/0.8
0.082/3.05
0.109/12
0.094/3.05
0.379/3.05
HORNFELS SILTSTONE
SANDSTONE
HORNFELS SILTSTONE
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 100m.
N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5914521
Section Easting: 394013.4
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 12 of 13



5910600.0 N
5910800.0 N
399600.0 E
5911000.0 N
5911200.0 N
399800.0 E
5911400.0 N
5911600.0 N
1400.0 Elev
1200.0 Elev
1000.0 Elev
B-9
HORNFELS SILTSTONE
Mo%
ABSENT
0.07-0.1
0.1-0.2
0.2-1.00
Lithology
Andesite
Andesite Dyke
Aplite Dyke
Argillite
Basalt
Basalt Dyke
Diorite
Dyke
Feldspar Porphyry Dyke
Granite Dyke
Granodiorite
Hornfelsed Siltstone
Mafic Intrusive
Monzonite
Monzonite Dyke
Overburden
Porphyritic Andesite Dyke
Quartz Feldspar Porphyry
Quartz Feldspar Porphyry/Quartz Diorite Porphyry
Quartzite
Sandstone
Siltstone
Tuff
Note: Weighted Average Grade (Mo%/m) is on the left side
& Mo% is on the right side
Thickness of this section is 100m.
TTM RESOURCES INC.
CHU PROPERTY
Section Northing: 5914571
Section Easting: 393926.79
Cross-Sections
Significant Drill Intercepts
Mo% >= 0.065 vs Weighted Average Grade (Mo%/m)
Looking N.W.
ALLNORTH CONSULTANTS LIMITED
Scale 1:3000
Date: 01/10/07
Section 13 of 13

APPENDIX VII

Lab Analytical Methods

Eco Tech Laboratory Ltd.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
www.ecotechlab.com

Analytical Procedure Assessment Report

MULTI ELEMENT ICP ANALYSIS

A 0.5 gram sample is digested with 3ml of a 3:1:2 (HCl:HN03:H20) which contains beryllium which acts as an internal standard for 90 minutes in a water bath at 95°C. The sample is then diluted to 10ml with water. The sample is analyzed on a Jarrell Ash ICP unit.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are printed on a laser printer and are faxed and/or mailed to the client.

	Detection Limit Low	Upper		Detection Limit Low	Upper
Ag	0.2ppm	30.0ppm	Fe	0.01%	10.00%
Al	0.01%	10.0%	La	10ppm	10,000ppm
As	5ppm	10,000ppm	Mg	0.01%	10.00%
Ba	5ppm	10,000ppm	Mn	1ppm	10,000ppm
Bi	5ppm	10,000ppm	Mo	1ppm	10,000ppm
Ca	0.01%	10,00%	Na	0.01%	10.00%
Cd	1ppm	10,000ppm	Ni	1ppm	10,000ppm
Co	1ppm	10,000ppm	P	10ppm	10,000ppm
Cr	1ppm	10,000ppm	Pb	2ppm	10,000ppm
Cu	1ppm	10,000ppm	Sb	5ppm	10,000ppm
Sn	20ppm	10,000ppm			
Sr	1ppm	10,000ppm			
Ti	0.01%	10.00%			
U	10ppm	10,000ppm			
V	1ppm	10,000ppm			
Y	1ppm	10,000ppm			
Zn	1ppm	10,000ppm			

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Molybdenum Assay

Samples are catalogued and dried. Rock samples are 2 stage crushed followed by pulverizing a 250 gram sub-sample. The sub-sample is rolled and homogenized and bagged in a pre-numbered bag.

A suitable sample weight is digested with nitric, hydrochloric, hydrofluoric and perchloric acids in Teflon beakers. The digested sample is allowed to cool, bulked up to 200ml volume and analyzed by an ICP instrument, to .001 % detection limit.

One repeat is run for each batch of 20 or less.
Certified reference material standards are run with each batch.
Results are compared and must fall within control limits to be accepted.

APPENDIX VIII

QA/QC Results

Eco-tech and ALS Chemex Copper and Molybdenum Values

Sample	Sample	Eco-tech Mo%	ALS Mo%	ALS Mo ppm	Eco-tech Cu%	ALS Cu%	ALS Cu ppm
1	G44800	0.0212	0.0159	159	0.0333	0.0286	286
2	G45740	0.0010	0.0009	9	0.0000	0.0009	9
3	G45760	0.0200	0.0169	169	0.0360	0.0418	418
4	G45780	0.0060	0.0048	48	0.0160	0.011	110
5	G45800	0.0250	0.017	170	0.0603	0.0258	258
6	G45820	0.0530	0.04	400	0.0345	0.0276	276
7	G45840	0.0420	0.0292	292	0.0348	0.0252	252
8	G45860	0.0095	0.0045	45	0.0693	0.047	470
9	G45880	0.0447	0.0237	237	0.0412	0.029	290
10	G45900	0.0294	0.0277	277	0.0429	0.032	320
11	G45920	0.0271	0.0178	178	0.0351	0.0398	398
12	G45940	0.0387	0.0326	326	0.0558	0.0702	702
13	G45960	0.0555	0.0559	559	0.0559	0.0545	545
14	G45980	0.0651	0.0569	569	0.0517	0.0603	603
15	G46000	0.0000	0.0007	7	0.0021	0.0022	22
16	G46020	0.0427	0.0637	637	0.1119	0.16	1600
17	G46040	0.0266	0.0238	238	0.0197	0.021	210
18	G46060	0.0780	0.0662	662	0.0208	0.0197	197
19	G46080	0.0233	0.0234	234	0.0194	0.0191	191
20	G46100	0.0439	0.045	450	0.0626	0.0563	563
21	G46120	0.0339	0.0298	298	0.0248	0.0259	259
22	G46140	0.0199	0.0157	157	0.0777	0.0822	822
23	G46160	0.0338	0.0316	316	0.0341	0.0353	353
24	G46180	0.0208	0.0247	247	0.0767	0.0832	832
25	G46200	0.0517	0.0494	494	0.0130	0.0124	124
26	G46220	0.0706	0.06	600	0.0156	0.0155	155
27	G46240	0.0131	0.0127	127	0.0174	0.0164	164
28	G46260	0.0017	0.002	20	0.0381	0.0408	408
29	G46280	0.0239	0.0208	208	0.0193	0.0186	186
30	G46300	0.0388	0.0332	332	0.0226	0.0227	227
31	G46320	0.0170	0.0218	218	0.0857	0.0799	799
32	G46340	0.0643	0.0557	557	0.0231	0.0215	215
33	G46360	0.0211	0.017	170	0.0250	0.0263	263
34	G46380	0.1136	0.108	1080	0.0517	0.0539	539
35	G46400	0.0730	0.0686	686	0.0234	0.0213	213

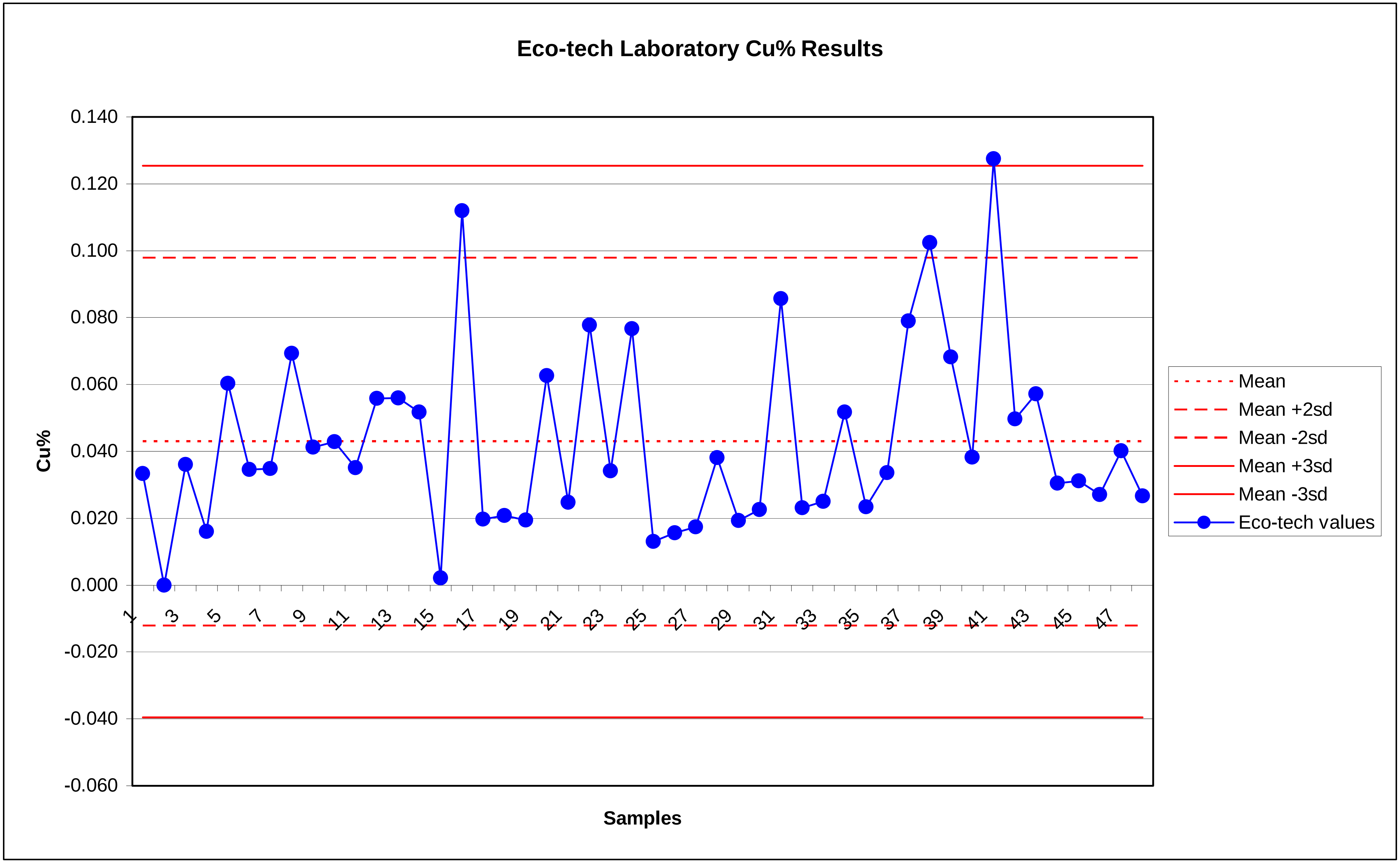
36	G46420	0.1525	0.138	1380	0.0336	0.0335	335
37	G46440	0.0266	0.0324	324	0.0789	0.0767	767
38	G46460	0.0527	0.0474	474	0.1024	0.0887	887
39	G46480	0.0249	0.0192	192	0.0682	0.055	550
40	G46500	0.0392	0.0409	409	0.0382	0.0315	315
41	G46520	0.1083	0.101	1010	0.1274	0.0918	918
42	G46540	0.0296	0.0217	217	0.0497	0.0389	389
43	G46560	0.1012	0.0835	835	0.0571	0.047	470
44	G46580	0.1030	0.0739	739	0.0304	0.0286	286
45	G46600	0.1408	0.0926	926	0.0312	0.0248	248
46	G46620	0.0636	0.0484	484	0.0271	0.0249	249
47	G46640	0.0581	0.0611	611	0.0402	0.029	290
48	G46660	0.1312	0.0672	672	0.0267	0.028	280

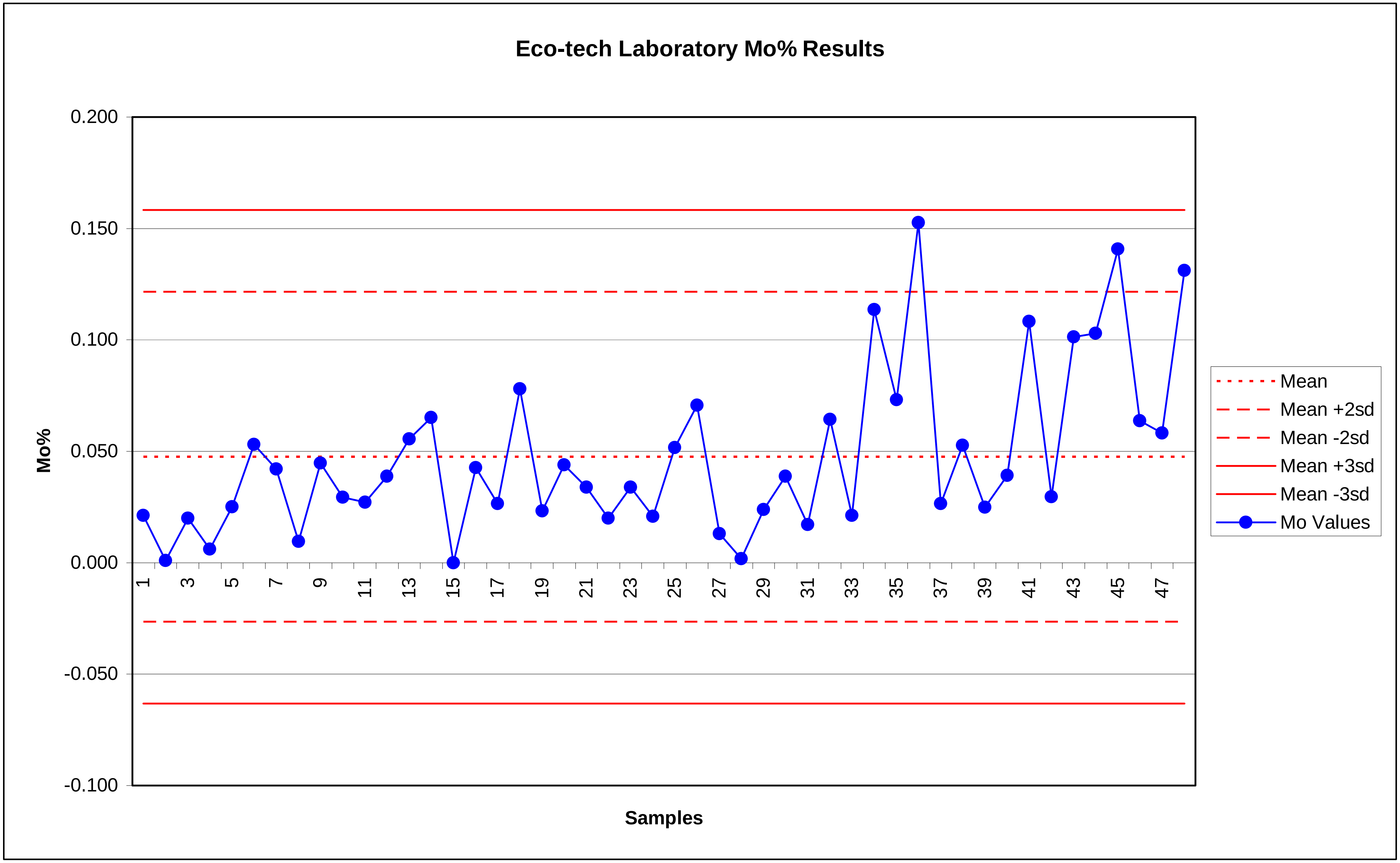
Eco-tech Laboratory Copper and Molybdenum Statistics

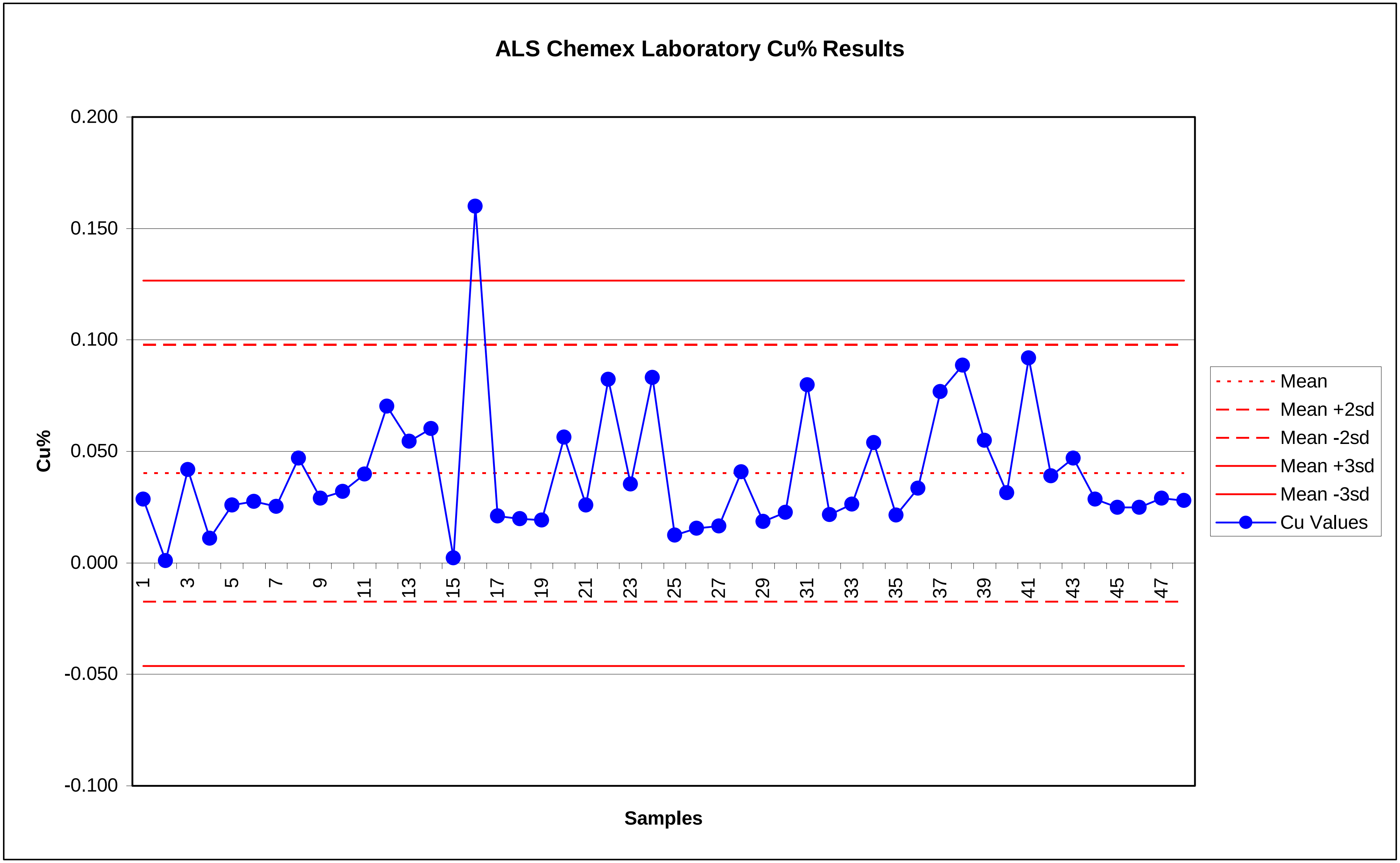
Cu mean	Mean +2sd	Mean - 2sd	Mean +3sd	Mean - 3sd	Mo mean	Mean +2sd	Mean - 2sd	Mean +3sd	Mean - 3sd
0.043	0.098	-0.012	0.125	-0.040	0.048	0.121	-0.026	0.158	-0.063

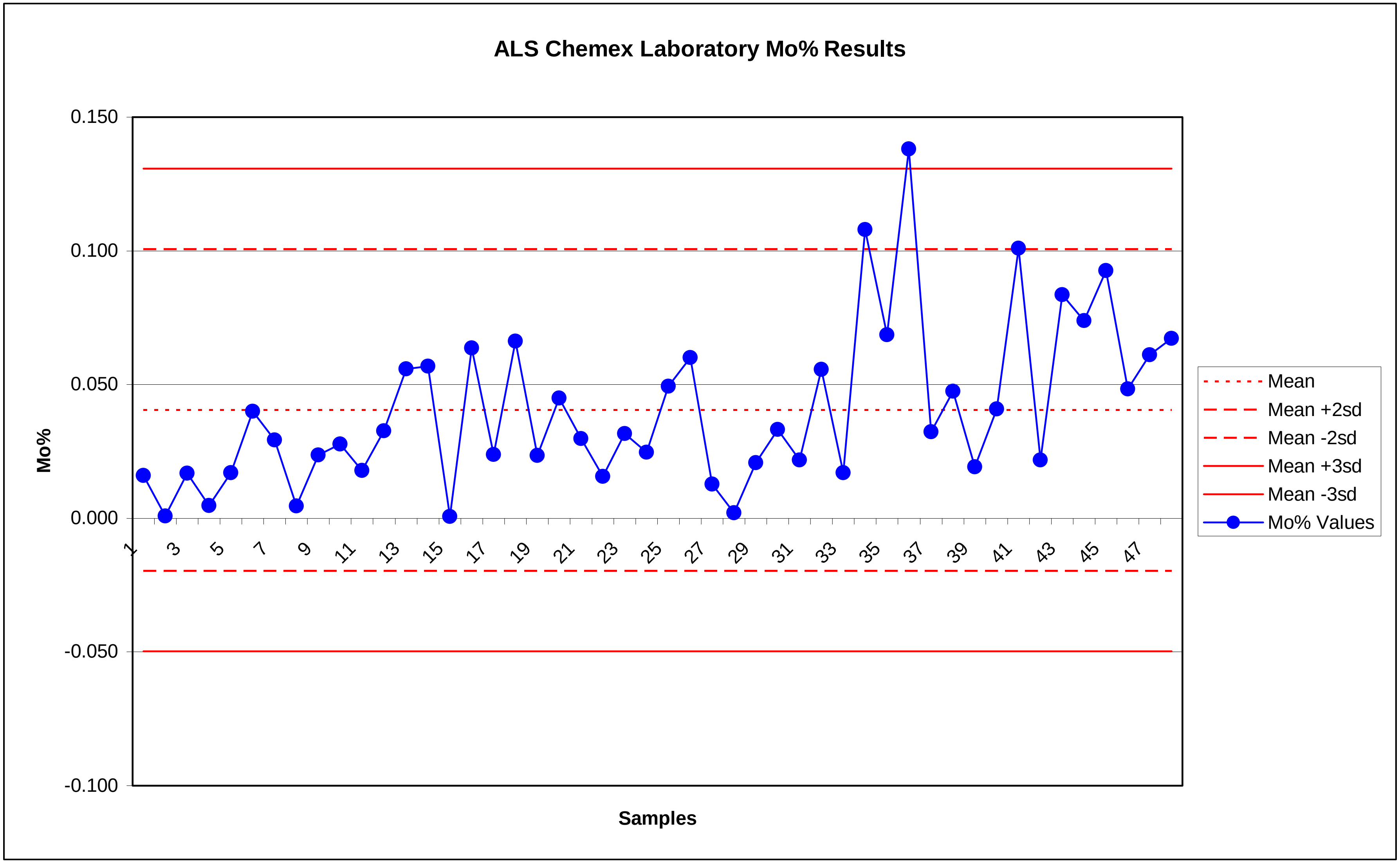
ALS Chemex Copper and Molybdenum Statistics

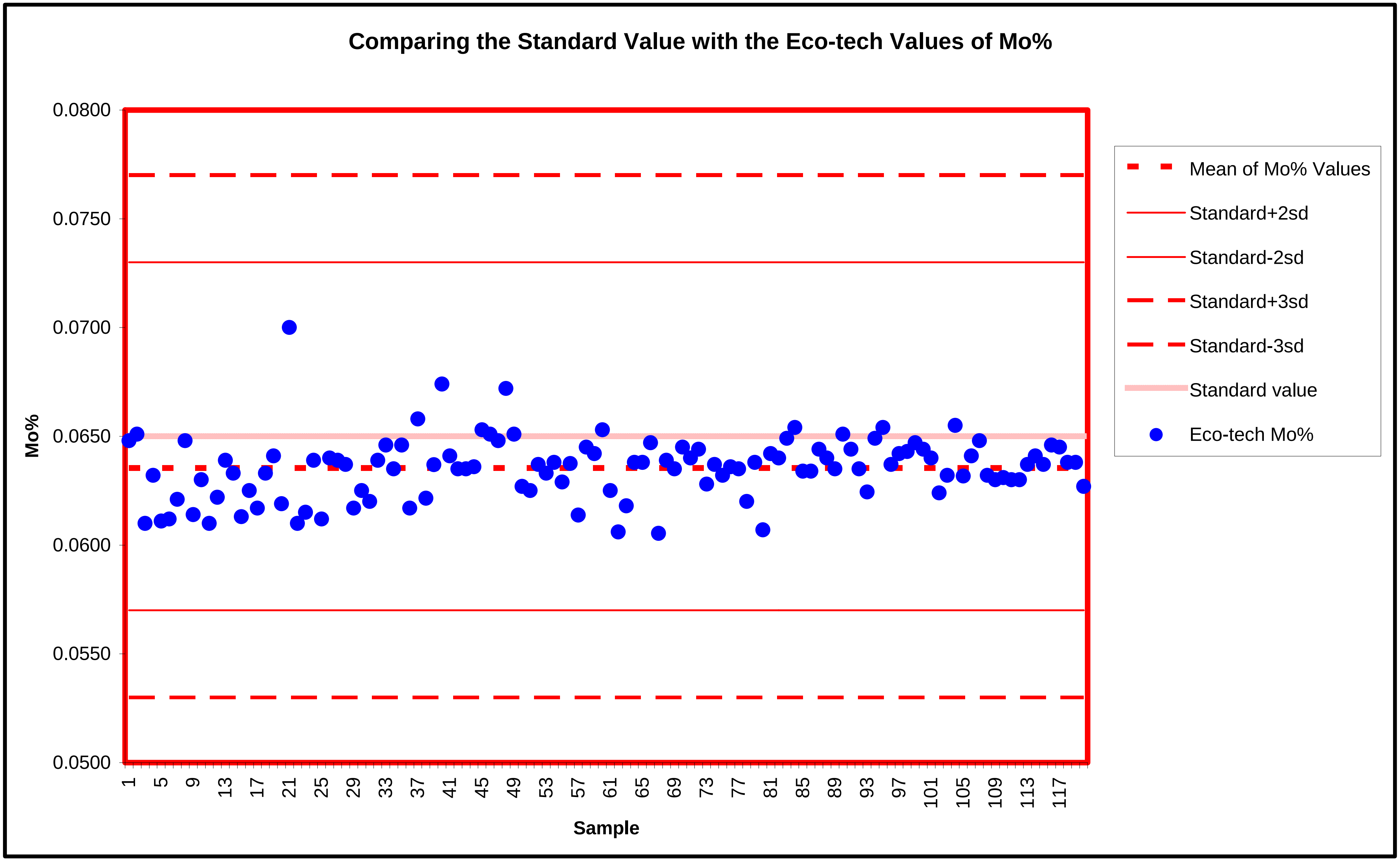
Cu mean	Mean +2sd	Mean - 2sd	Mean +3sd	Mean - 3sd	Mo mean	Mean +2sd	Mean - 2sd	Mean +3sd	Mean - 3sd
0.040	0.098	-0.017	0.127	-0.046	0.041	0.101	-0.020	0.131	-0.050


Eco-tech Laboratory Cu% Results
0.140
0.120
0.100
0.080
0.060
0.040
0.020
0.000
-0.020
-0.040
-0.060
Cu%
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
43
45
47
Samples
Mean
Mean +2sd
Mean -2sd
Mean +3sd
Mean -3sd
Eco-tech values


Eco-tech Laboratory Mo% Results
0.200
0.150
0.100
0.050
0.000
-0.050
-0.100
Mo%
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
43
45
47
Samples
Mean
Mean +2sd
Mean -2sd
Mean +3sd
Mean -3sd
Mo Values


ALS Chemex Laboratory Cu% Results
Cu%
Samples
0.200
0.150
0.100
0.050
0.000
-0.050
-0.100
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
43
45
47
Mean
Mean +2sd
Mean -2sd
Mean +3sd
Mean -3sd
Cu Values


ALS Chemex Laboratory Mo% Results
0.150
0.100
0.050
0.000
-0.050
-0.100
Mo%
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
43
45
47
Samples
Mean
Mean +2sd
Mean -2sd
Mean +3sd
Mean -3sd
Mo% Values


Comparing the Standard Value with the Eco-tech Values of Mo%
0.0800
0.0750
0.0700
0.0650
0.0600
0.0550
0.0500
Mo%
1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93 97 101 105 109 113 117
Sample
Mean of Mo% Values
Standard+2sd
Standard-2sd
Standard+3sd
Standard-3sd
Standard value
Eco-tech Mo%