ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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ASSESSMENT REPORT

describing

DIAMOND DRILLING

at the

MOR PROPERTY

MOR 1-4	YB89771-YB89774
5-8	YB91626-YB91629
9-12	YB91820-YB91823
13-52	YB92029-YB92068
53-106	YC71599-YC71652
107-184	YC72301-YC72378
185-196	YC72379-YC72390
197-204	YC72391-YC72398
205-216	YC72399-YC72410
217-224	YC72411-YC72418
225-290	YC73523-YC73588

NTS 105C/01
Latitude 60º06'N; Longitude 132º05'W

in the
Watson Lake Mining District,
Yukon Territory

prepared by
Archer, Cathro & Associates (1981) Limited

for

TARSIS RESOURCES LTD.

by
H. Smith, P. Geo.

August 2010

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FIGURES

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INTRODUCTION

The MOR property covers a volcanic hosted massive sulphide (VHMS) prospect located in southern Yukon. Tarsis Resources Ltd. owns the property 100%.

This report describes results of a diamond drill program that consisted of two holes totalling 443.83 m. The work was conducted with daily helicopter support from Teslin using a temporary staging area located at the Morley River, two kilometres south of the property. The program was completed between June 5 and 19. Exploration was funded by Tarsis and managed by Archer, Cathro & Associates (1981) Limited. The author participated in and supervised the work program. The author's Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The MOR property consists of 290 contiguous mineral claims located in southern Yukon on NTS map sheet 105C/01 at latitude 60°06'N and longitude 132°05'W (Figure 1). The claims are registered with the Watson Lake Mining Recorder in the name of Tarsis. The locations of individual claims are shown on Figure 2 while claim registration information is listed below.

Claim Name	Grant Number	Expiry Date *
MOR 1-4	YB89771-YB89774	April 29, 2024
5-8	YB91626-YB91629	April 29, 2021
9-12	YB91820-YB91823	April 29, 2021
13-52	YB92029-YB92068	April 29, 2022
53-106	YC71599-YC71652	April 29, 2018
107-184	YC72301-YC72378	April 29, 2017
185-196	YC72379-YC72390	April 29, 2013
197-204	YC72391-YC72398	April 29, 2017
205-216	YC72399-YC72410	April 29, 2013
217-224	YC72411-YC72418	April 29, 2017
225-290	YC73523-YC73588	April 29 ,2018

*Expiry dates do not include 2010 work which has not yet been filed for assessment credit.

The MOR property is located 35 km east of Teslin, a village that lies alongside the Alaska Highway approximately 183 km by road southeast of Whitehorse. In 2010, mobilization to and from the property and daily crew moves were performed with a Hughes 500D operated by Ocean View Helicopters, from Teslin or the temporary staging area at Morley River.

HISTORY

In 1980, Regional Resources Limited conducted regional-scale stream sediment sampling in the MOR area and discovered a small zone of anomalous base and precious metal values in soil near a subcrop of gossanous schist (Discovery Showing). No claims were staked at this time.

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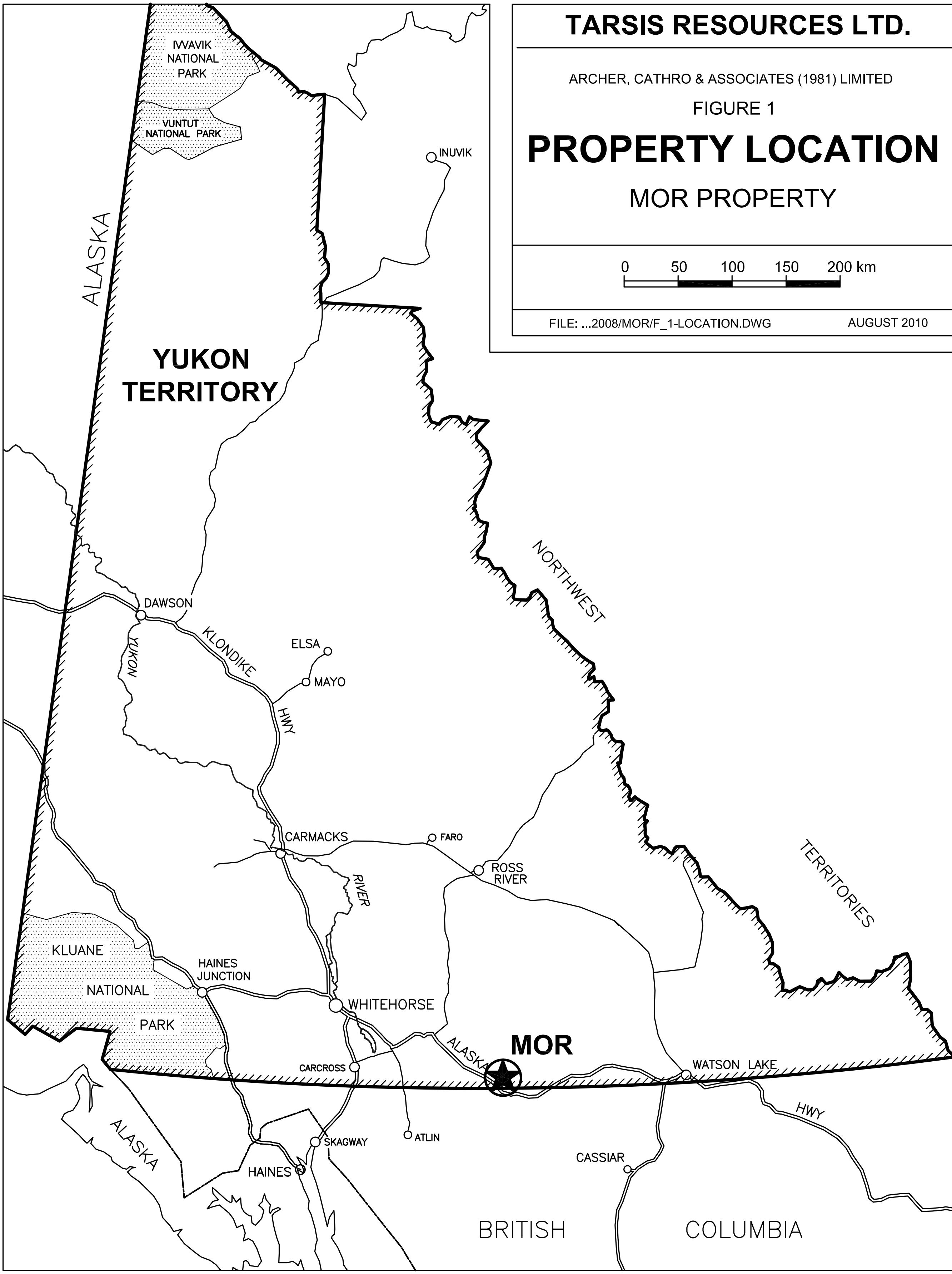
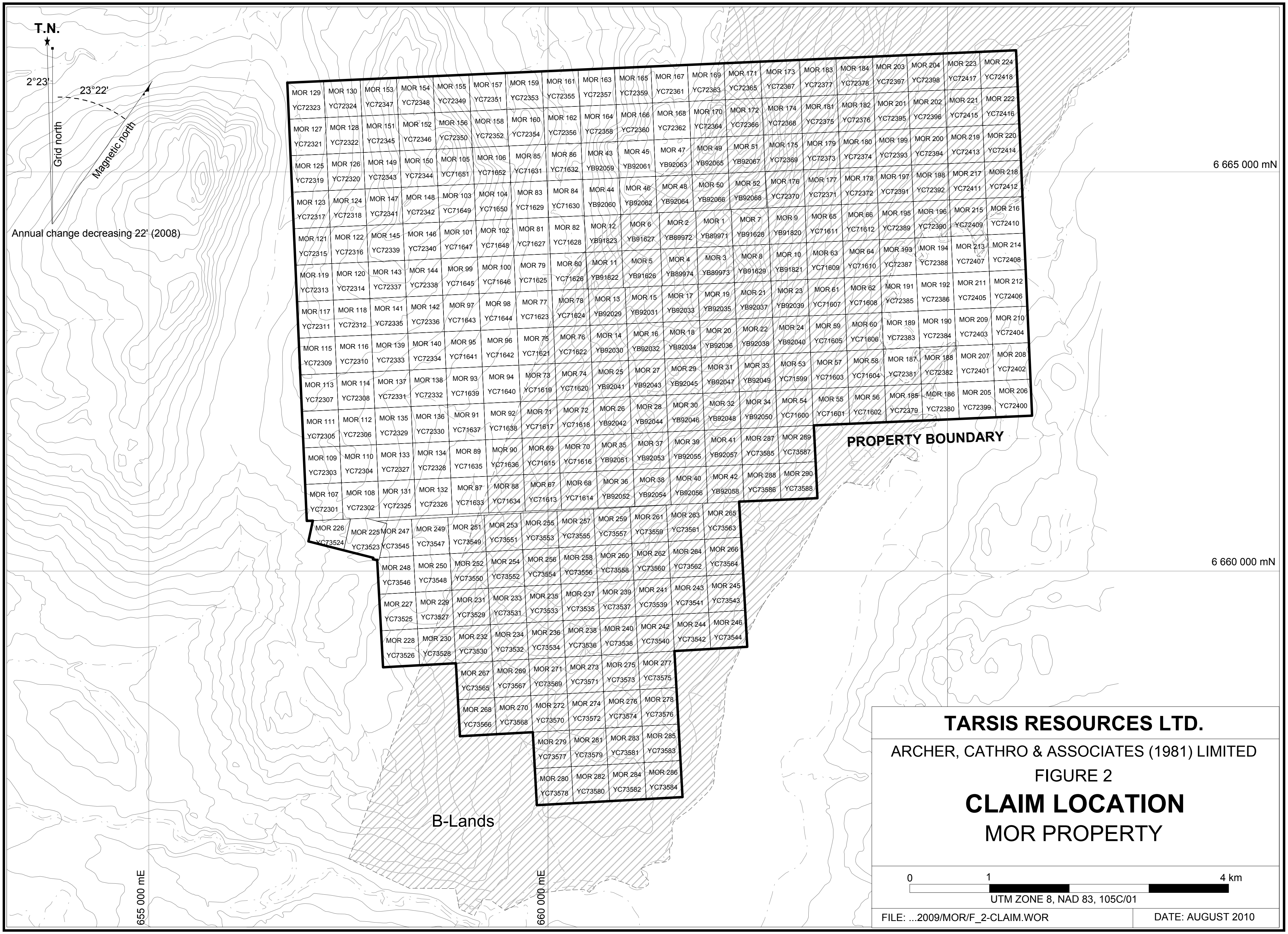
FIGURE 1

PROPERTY LOCATION

MOR PROPERTY




T.N.
2°23'
23°22'
Grid north
Magnetic north
Annual change decreasing 22' (2008)
6 665 000 mN
6 660 000 mN
655 000 mE
660 000 mE
PROPERTY BOUNDARY
B-Lands
TARSIS RESOURCES LTD.
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 2
CLAIM LOCATION
MOR PROPERTY
0
1
4 km
UTM ZONE 8, NAD 83, 105C/01
FILE: ...2009/MOR/F_2-CLAIM.WOR
DATE: AUGUST 2010

In 1997, Fairfield Minerals Ltd. revisited the area and staked four claims (MOR 1- 4) to cover the Discovery Showing. Exploration that year consisted of hand pitting and trenching followed by reconnaissance-scale prospecting and silt, soil and rock sampling across the claims. In 1998, Fairfield staked another eight claims (MOR 5-12) and carried out grid soil sampling and ground magnetic and VLF-EM geophysical surveys. Limited blast trenching, prospecting and reconnaissance rock sampling were also conducted in the area of the Discovery Showing.

In 1999, the property was optioned to Brett Resources Inc., which staked an additional 40 claims (MOR 13-52). Exploration that year entailed soil geochemical sampling (22 line km/442 samples), property-wide geological mapping at 1:10,000 scale, and detailed geological mapping (1:1500) in areas of known mineralization. In December 1999, Brett relinquished its option due to a corporate merger and shift in exploration focus.

Field work by Fairfield in 2000 consisted of additional grid soil sampling and ground magnetic and VLF-EM surveys, which were done in conjunction with detailed grid-based soil profile and bedrock sampling by portable power auger. The following summer, geochemically anomalous areas were followed up by in-fill auger sampling and prospecting. A total of 1223 samples were collected for multi-element analysis. This work identified a linear, 2000 m long east-trending band of anomalous copper, lead and zinc-in-soil values, which is up centered on the Discovery Showing.

In 2002, Fairfield merged with Almaden Resources Corporation to form Almaden Minerals Ltd. and the MOR mineral title was subsequently transferred.

In 2003, Kobex Resources Ltd. acquired a 60% interest in the MOR property and in 2004 it conducted a two phase work program consisting of an induced polarization geophysical survey followed by a two hole diamond drilling program. Results confirmed the presence of VHMS style mineralization (Discovery Horizon); however, grades were sub-economic and Kobex returned the property to Almaden in September 2005.

Tarsis purchased the property from Almaden in April 2007 and explored the following summer with a four hole diamond drill program, widely spaced soil sampling and 285 line km of helicopter-borne Versatile Time Domain Electromagnetic (VTEM) surveys. Diamond drilling focused on the Discovery Horizon, confirming the geometry of the system. The holes encountered gently dipping VHMS mineralization in two or three stacked horizons beneath near surface intersections previously reported by Kobex. The mineralization was traced along strike for 300 m. VTEM surveys identified a series of intermittent conductors coincident with the projected surface trace of the Discovery Horizon in the northern part of the property, which collectively totalled over five kilometres of the strike length. Another isolated but fairly intense VTEM anomaly was identified two kilometres south of the Discovery Horizon.

In 2008, Tarsis significantly expanded the claim block to cover potential for mineralization higher in the stratigraphic sequence. More VTEM surveys were flown to cover the new claims, and soil sampling, mapping, prospecting, diamond drilling and orientation style ground gravity surveys were conducted. Ground supported exploration focused largely on extending the known mineralization along strike to the east and downdip at the Discovery Horizon. This exploration returned mixed results and suggested the sulphide horizons are locally folded/displaced and/or thinning distally from the vent. The orientation gravity surveys identified a 1 mg anomaly directly overtop the thickest accumulation of VHMS mineralization cut in 2007.

Work in 2008 also discovered a new area of mineralization (SD Zone) in the vicinity of the VTEM anomaly two kilometres southwest of the Discovery Zone. At this locale, semi-massive sulphide is hosted in strongly chlorite altered, stacked or fold repeated volcaniclastic units. Two diamond drill holes spaced approximately 200 m apart encountered narrow intervals of sulphide bearing volcaniclastic tuff. Orientation gravity surveys across this zone identified a localized 1 mg anomaly inferred to represent potential mineralization deeper in the stratigraphy. The drill holes did not extend deep enough to test the gravity anomaly.

In 2009, exploration consisted of detailed gravity surveys and lithogeochemical studies.

GEOMORPHOLOGY

The property lies along the northwestern flank of the Cassiar Mountains. It is mostly situated between Mount Morley to west and the Morley River Valley to the east and encompasses two moderately steep, north trending ridges that flank a narrow upland valley. Local topography is subdued with elevations ranging from 900 m in the valley bottom to 1400 m atop the westernmost ridge. The best exposures are on glacially scoured hummocks along the ridge crest and on oversteepened hillsides where soil has been washed away.

A small, unnamed lake surrounded by marshland is located in the centre of the property. This lake is fed by tributaries of Hassell Lake from the north and by numerous small creeks and streams that drain from the surrounding ridges. All of the creeks on the property are tributaries of the Morley River, which is part of the Yukon River watershed.

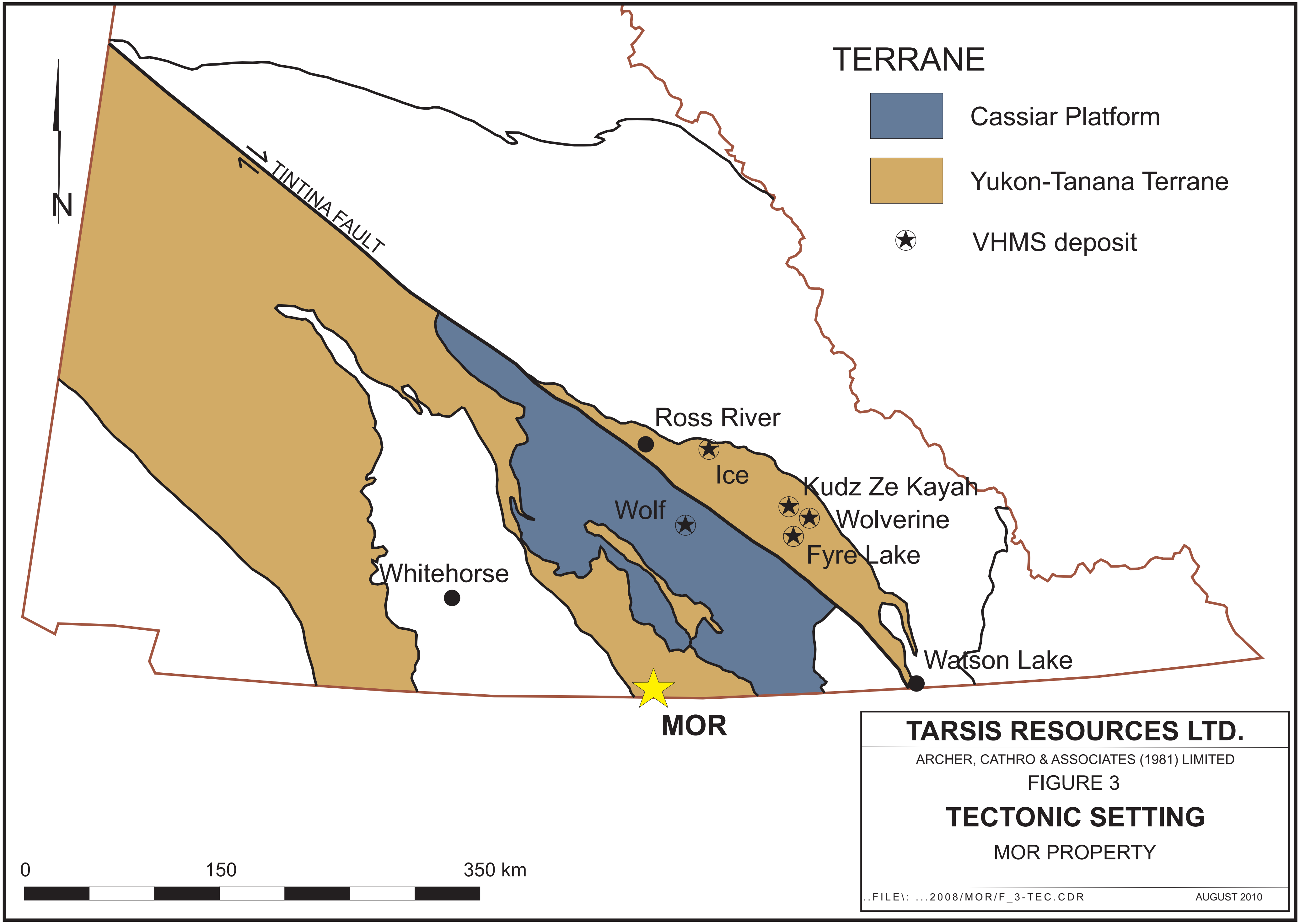
The claim block is well vegetated with spruce, balsam, pine, alder and tamarack on hillsides and willow along creeks and in marshes. Treeline in the vicinity of the MOR property is at 1450 m.

GEOLOGY

Regional Geology

The property lies within a belt of Yukon-Tanana Terrane rocks on the southwest side of the Tintina Fault Zone (Figure 3). Yukon-Tanana Terrane underlie much of west-central Yukon, including a displaced block immediately northeast of the Tintina Fault Zone, referred to as the Finlayson Lake District, which hosts a number of VHMS deposits and prospects.

The most recent mapping of the Yukon-Tanana Terrane southwest of the Tintina Fault Zone near the B.C.-Yukon border was addressed in a special paper published by the Geological Association of Canada in 2006. This portion of the Northern Cordillera is segregated into the eastern, central and western belts, all three of which comprise stratigraphy associated with Permian and older sedimentation, arc related volcanism and coeval intrusions (Roots et al., 2006). Stratigraphy within each belt has been intruded by Eocene to early Jurassic plutons.



TERRANE
Cassiar Platform
Yukon-Tanana Terrane
VHMS deposit
N
TINTINA FAULT
Ross River
Ice
Kudz Ze Kayah
Wolverine
Fyre Lake
Wolf
Whitehorse
Watson Lake
MOR
0
150
350 km
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FIGURE 3
TECTONIC SETTING
MOR PROPERTY
..FILE\: ...2008/MOR/F_3-TEC.CDR
AUGUST 2010

The western belt hosts the MOR property. It is bound by the strike-slip Teslin Fault to the west and an unnamed fault to the northeast (Figure 4). Stratigraphic units within it mostly belong to the Devonian to Mississippian Big Salmon Complex and comprise bimodal arc-volcanic rocks, phyllite, siliceous metasedimentary rocks and minor carbonate units. Coeval orthogneiss is common throughout the sequence and ranges in age from late Devonian to Jurassic. The upper portion of the Big Salmon Complex is marked by a rose coloured manganiferous metachert believed to represent an exhalative volcanic pulse (Mihalynuk et al, 2006). The metavolcanic rocks of the Big Salmon Complex are considered age equivalent to the Finlayson Assemblage, which hosts VHMS deposits northeast of the Tintina Fault Zone (Colpron et al, 2006). The magnetic cycles associated with these rocks span upper Devonian to mid-Mississippian and are age equivalent to the Finlayson and Wolverine Magmatic Cycles (Figure 5).

Klinkit Group unconformably overlies stratigraphy of the Big Salmon Complex. It consists of pale coloured marble and intermediate to mafic tuffs plus volcanic-derived metasedimentary rocks with lesser volcanic flows, quartz sandstone and interlayered dark siltstone. Volcanic rocks are more abundant near the base of the succession. These sequences were deposited between mid-Mississippian and Permian.

The main lithologies in the vicinity of the MOR property are summarized on the Table I.

Table I: Main Lithological Units

Quarternary Overburden	Glacial till, lateral and terminal moraines and glaciofluvial outwash
Mid-Cretaceous or Early Tertiary Cassiar Suite	Granodiorite and biotite-quartz monzonite porphyry
Mississippian to Permian Klinkit Group	Volcaniclastic and sedimentary rocks including limestone
Devonian to Mississippian Big Salmon Complex	Mount Hazel orthogneiss
	Greenstone and intercalated sedimentary rocks

Property Geology

The MOR property is mostly underlain by mafic and felsic metavolcaniclastic rocks of the Big Salmon Complex (Figure 6). The following stratigraphic descriptions are based on work by previous authors (Ritcey and Balon, 1998 and Wengzynowski, 2010).

The MOR property is mainly underlain by a thick sequence of pale green-grey chlorite±quartz schist whose protolith is interpreted to be primarily mafic to intermediate volcaniclastic tuff. These schists contain varying amounts of layer parallel quartz and feldspar. Quartzite/chert is observed locally as interbeds within the mafic dominated succession, but these interbeds are never sufficiently thick enough to form a mappable unit. All rocks in this sequence are strongly deformed and exhibit pervasive schistosity, which generally strikes east and dips moderately to the south. The sequence has been significantly thickened by tight high amplitude folds, which are observed in outcrops and drill core. Metamorphic grade is middle greenschist facies.

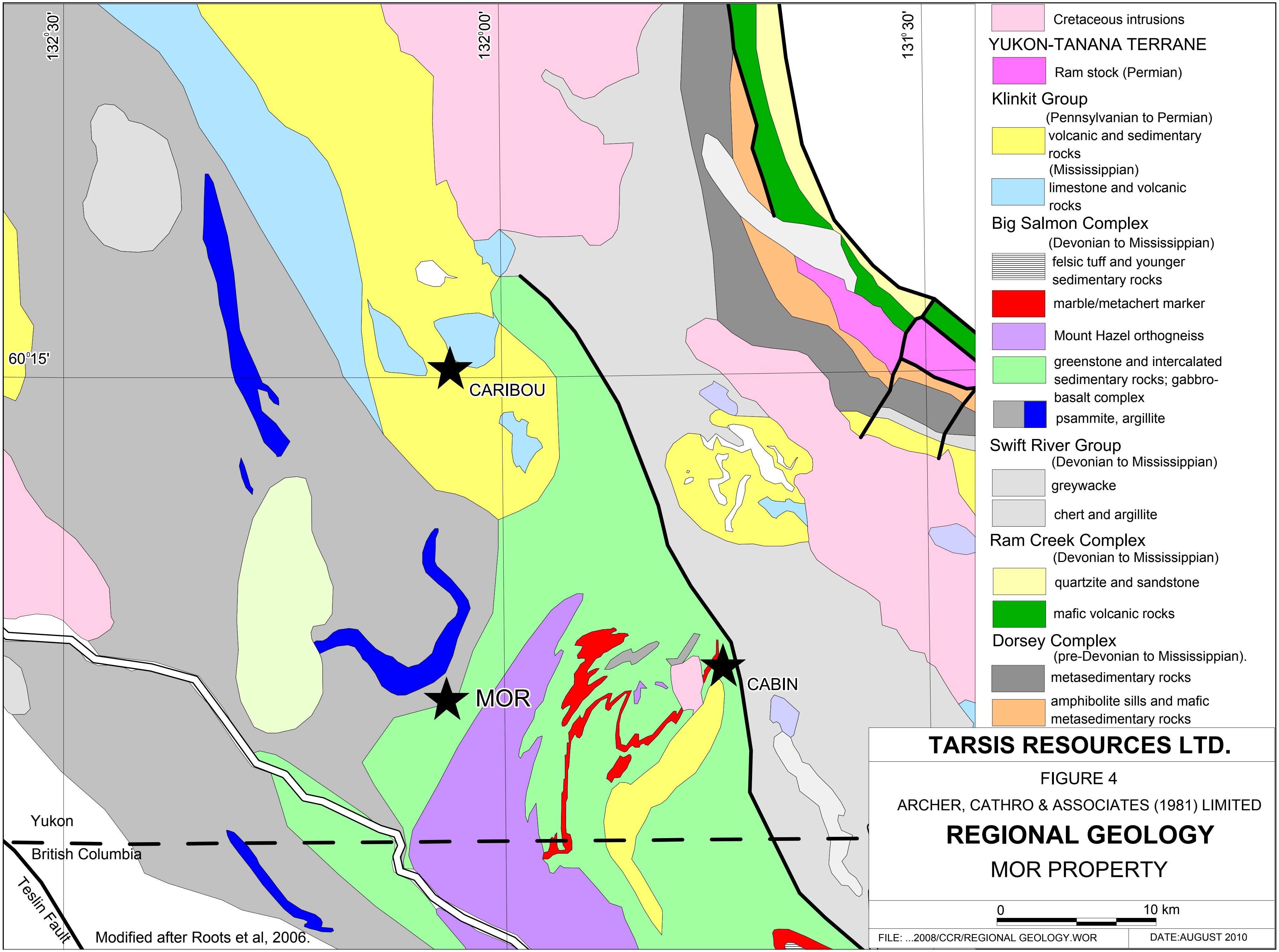
132°30'
132°00'
131°30'
60°15'
CARIBOU
MOR
CABIN
Yukon
British Columbia
Teslin Fault
Modified after Roots et al, 2006.
Cretaceous intrusions
YUKON-TANANA TERRANE
Ram stock (Permian)
Klinkit Group
(Pennsylvanian to Permian)
volcanic and sedimentary rocks
(Mississippian)
limestone and volcanic rocks
Big Salmon Complex
(Devonian to Mississippian)
felsic tuff and younger sedimentary rocks
marble/metachert marker
Mount Hazel orthogneiss
greenstone and intercalated sedimentary rocks; gabbro-basalt complex
psammite, argillite
Swift River Group
(Devonian to Mississippian)
greywacke
chert and argillite
Ram Creek Complex
(Devonian to Mississippian)
quartzite and sandstone
mafic volcanic rocks
Dorsey Complex
(pre-Devonian to Mississippian).
metasedimentary rocks
amphibolite sills and mafic metasedimentary rocks
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FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
MOR PROPERTY
0
10 km
FILE: ...2008/CCR/REGIONAL GEOLOGY.WOR
DATE:AUGUST 2010

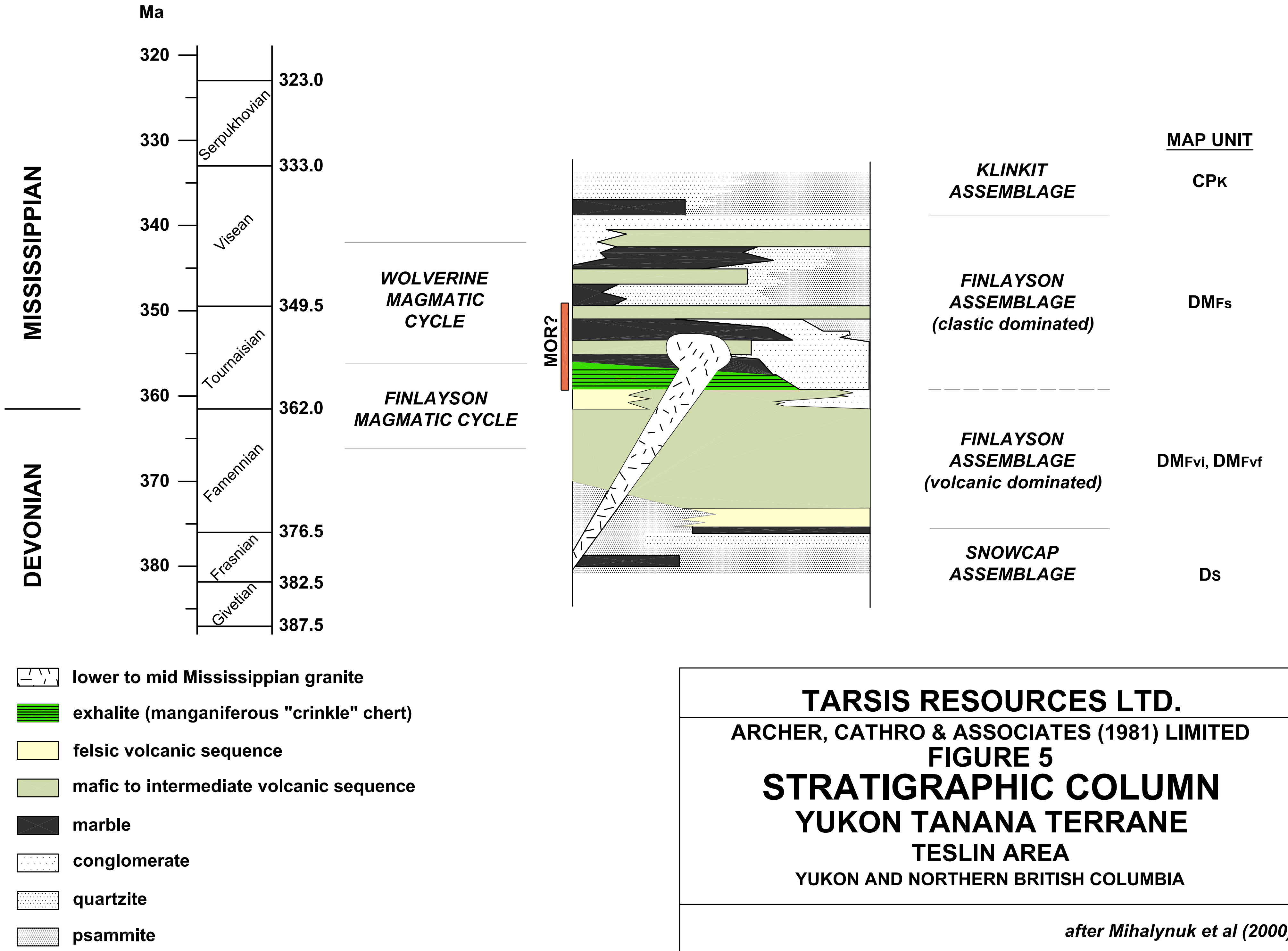

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FIGURE 5

STRATIGRAPHIC COLUMN

YUKON TANANA TERRANE

TESLIN AREA

YUKON AND NORTHERN BRITISH COLUMBIA

after Mihalynuk et al (2000)

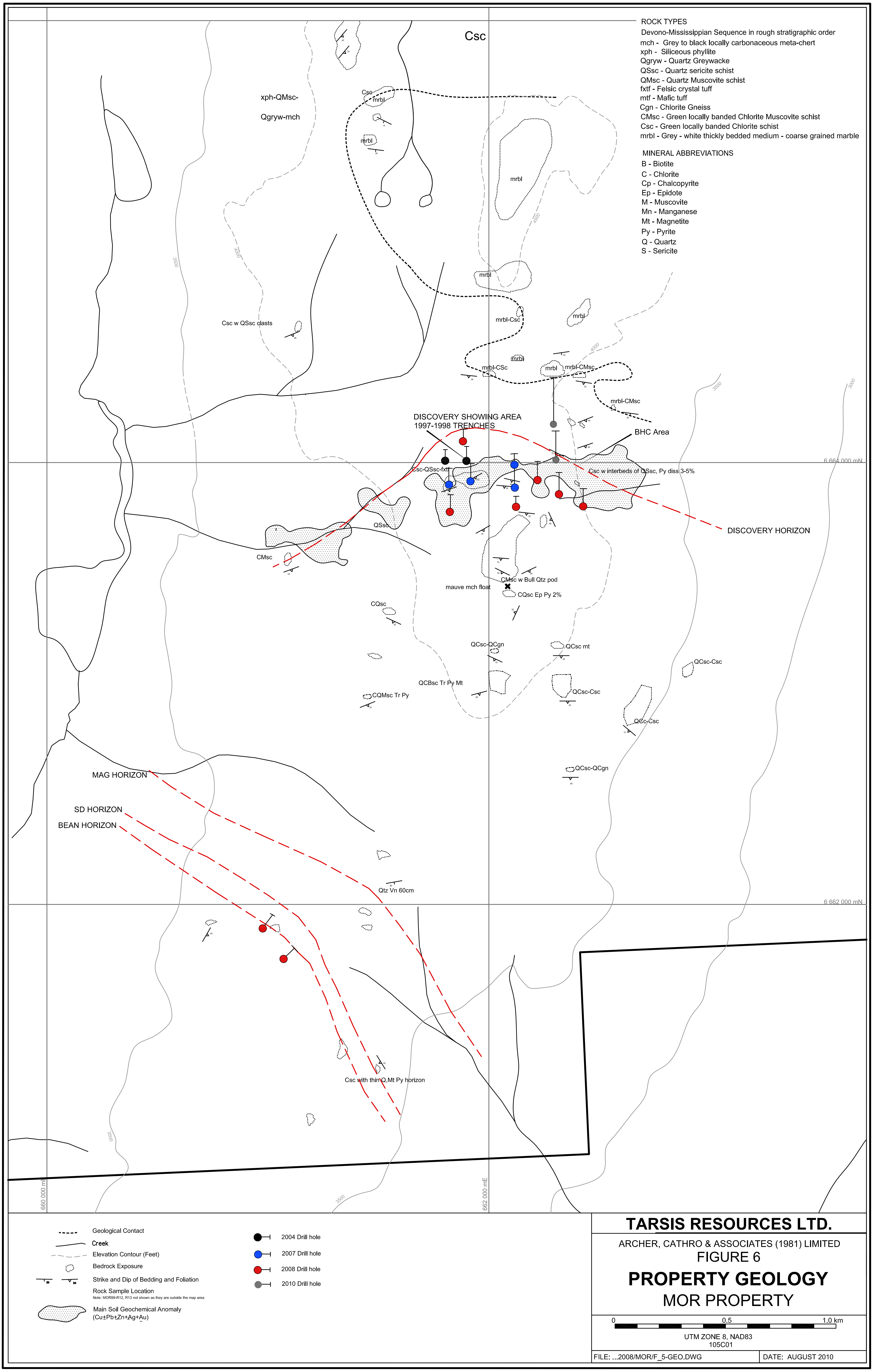
ROCK TYPES
Devono-Mississippian Sequence in rough stratigraphic order
mch - Grey to black locally carbonaceous meta-chert
xph - Siliceous phyllite
Qgryw - Quartz Greywacke
QSsc - Quartz sericite schist
QMsc - Quartz Muscovite schist
fxtf - Felsic crystal tuff
mtf - Mafic tuff
Cgn - Chlorite Gneiss
CMsc - Green locally banded Chlorite Muscovite schist
Csc - Green locally banded Chlorite schist
mrbl - Grey - white thickly bedded medium - coarse grained marble
MINERAL ABBREVIATIONS
B - Biotite
C - Chlorite
Cp - Chalcopyrite
Ep - Epidote
M - Muscovite
Mn - Manganese
Mt - Magnetite
Py - Pyrite
Q - Quartz
S - Sericite
Csc
xph-QMsc-
Qgryw-mch
Csc w QSsc clasts
mrbl
mrbl-Csc
mrbl-CSc
mrbl-CMsc
DISCOVERY SHOWING AREA
1997-1998 TRENCHES
BHC Area
Csc-QSsc-fxtf
Csc w interbeds of QSsc, Py diss 3-5%
DISCOVERY HORIZON
QSsc
CMsc
CMsc w Bull Qtz pod
mauve mch float
CQsc Ep Py 2%
CQsc
QCsc-QCgn
QCsc mt
QCsc-Csc
QCBsc Tr Py Mt
CCQMsc Tr Py
QCc-Csc
QCsc-QCgn
MAG HORIZON
SD HORIZON
BEAN HORIZON
Qtz Vn 60cm
Csc with thin Q,Mt Py horizon
6 664 000 mN
6 662 000 mN
660 000 mE
662 000 mE
Geological Contact
Creek
Elevation Contour (Feet)
Bedrock Exposure
Strike and Dip of Bedding and Foliation
Rock Sample Location
Note: MOR99-R12, R13 not shown as they are outside the map area
Main Soil Geochemical Anomaly
(Cu±Pb±Zn+Ag+Au)
2004 Drill hole
2007 Drill hole
2008 Drill hole
2010 Drill hole
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FIGURE 6
PROPERTY GEOLOGY
MOR PROPERTY
0
0.5
1.0 km
UTM ZONE 8, NAD83
105C01
FILE: ...2008/MOR/F_5-GEO.DWG
DATE: AUGUST 2010

This assemblage of dominantly mafic metavolcanic rocks correlate with the "greenstone sequence" of the Big Salmon Complex mapped by Mihalynuk et al. (1998).

The chlorite±quartz schist sequence contains coeval pale grey to white orthogneiss sills, which are texturally sucrosic and very difficult to distinguish from some felsic and intermediate sections of the metavolcaniclastic stratigraphy. The orthogneiss was likely emplaced as a fairly fine grained intrusive because augens are virtually non-existent.

Basement stratigraphy in the northeast portion of the property consists of grey to white, thick bedded, medium- to coarse-grained limestone/marble. This unit appears to be conformable with the overlying volcaniclastic sequence. Bedding attitudes strike east and dip approximately 30° to the south.

A single traverse north of the limestone/marble unit (outside the MOR claim boundary) revealed a third geological unit comprising a highly variable sequence of grey, siliceous, phyllitic metasediments with interbedded 1-10 m thick, dark grey to black, carbonaceous cherts. This unit strikes northeasterly and dips to the southeast.

An inferred stratigraphic column for the Teslin area showing the postulated position of the MOR mineralization appear on Figure 6. This theory is supported by geochronological data obtained from MOR drill core, which yielded a morphologically simple population of zircon, permissive of magmatic origin with Devonian to Mississippian dates between 347 and 365 Ma (M. Colpron pers. comm., 2008).

MINERALIZATION

VHMS style mineralization occurs in two parts of the MOR property. The Discovery Horizon located in the northern part of the claim block has been the primary focus of exploration. The other area (SD Zone) comprises several mineralized outcrops situated approximately two kilometres south of the Discovery Horizon.

Mineralization at the Discovery Horizon comprises medium- and coarse-grained massive and semi-massive sulphides. The most common "ore" sulphide is chalcopyrite, which occurs as interstitial grains and blebby aggregates within a pyrite dominant matrix. Sphalerite and galena are rarely observed as trace disseminations.

Massive and semi-massive sulphide horizons are stacked within an envelope of mafic dominant volcaniclastic stratigraphy that is weakly to moderately mineralized with coarse disseminated pyrite and rare chalcopyrite. Medium- to coarse-grained magnetite is irregularly disseminated throughout the stratigraphic column. Alteration associated with the volcaniclastic rocks is dominated by a combination of pale to medium green chlorite and sericite. Darker chlorite is developed nearer the massive sulphide sections and narrow felsic volcaniclastic pulses coincide with some of the stronger mineralization.

The SD Zone is defined by northwest trending, gently southwest dipping sulphide and/or oxide bearing mafic and felsic metavolcanic horizons.

Three distinct horizons (Mag, SD and Bean Horizons) have been identified within a 250 m thick package of bimodal mafic and felsic metavolcaniclastic stratigraphy units that appears to have been subjected to fairly intense hydrothermal alteration.

Sulphides in the SD and Bean Horizons are dominated by thinly laminated and strongly magnetic pyrrhotite with lower concentrations of blebby interstitial and disseminated chalcopyrite. Coarse pyrite is less common than pyrrhotite at the SD Horizon and visa versa at the Bean Horizon. Where pyrite is present, it occurs as foliation-parallel grains and aggregates. Magnetite appears as fine grained massive bands and medium to coarse disseminated grains. The Mag Horizon is characterized by medium to coarse disseminated magnetite and minor amounts of coarse foliation-parallel pyrite.

HISTORICAL SOIL GEOCHEMISTRY

The results (copper, lead, zinc, silver and gold) for all soil geochemical surveys that have been done on the property are compiled on Figures 7 through 11 respectively. These figures show coincident, easterly trending copper-lead-zinc-silver anomalies that extends for a distance of approximately 2500 m along the surface trace of the Discovery Horizon. Copper, lead and zinc exhibit the strongest contrast relative to the background values.

Geochemical response in the vicinity of the SD Zone is spotty. The three known mineralized horizons are best marked by intermittent copper (up to 721 ppm) and silver (up to 2.6 ppm) point anomalies, scattered along a 1500 m strike length. Lead and zinc response in this area is subdued.

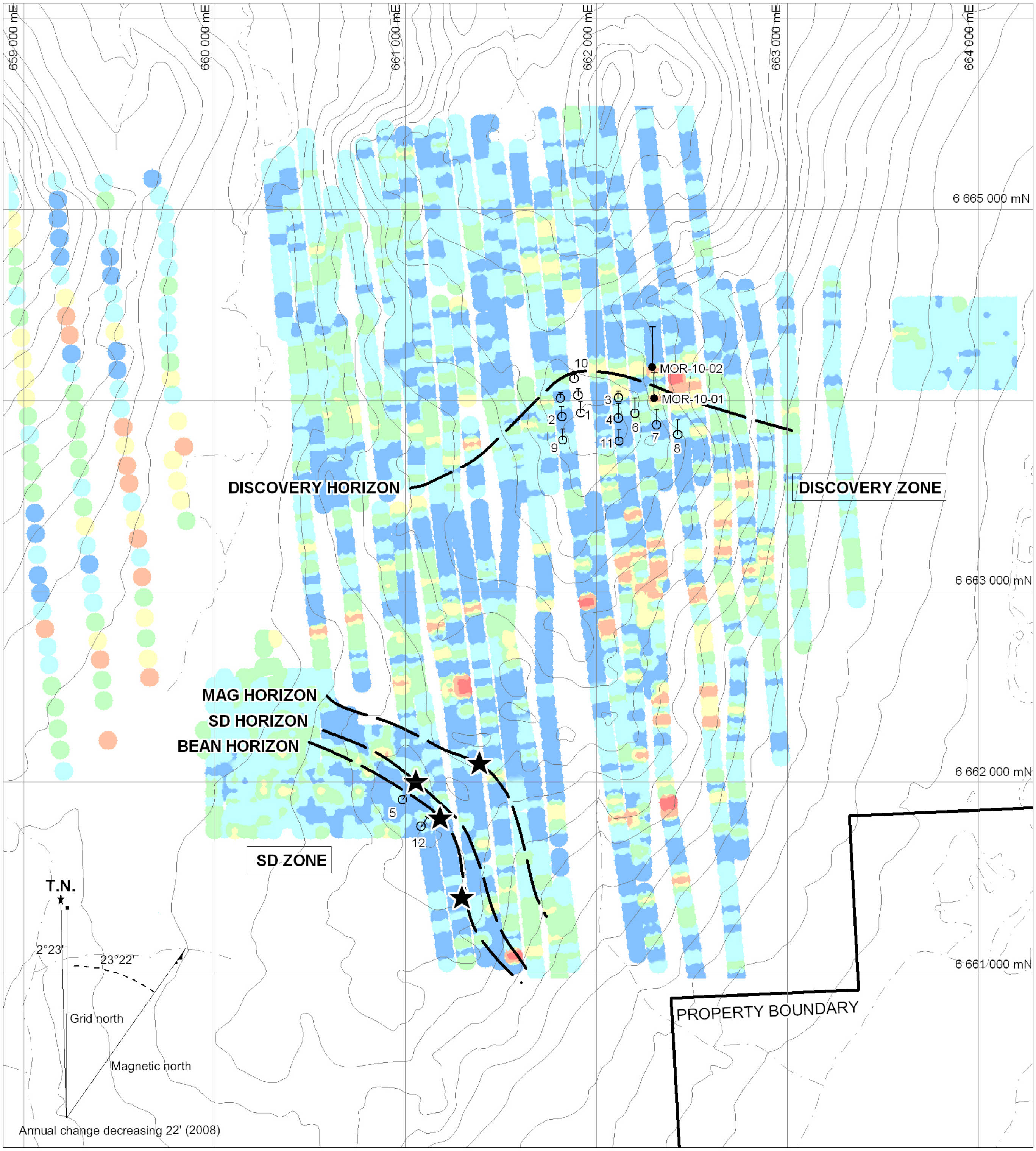
Sampling elsewhere on the property identified broad areas of elevated copper response. Some of these areas coincide with VTEM anomalies or pyritic felsic volcanics, but none has been systematically evaluated. Many parts of the property were not sampled due to poor soil development or deep organic material.

2009 GRAVITY SURVEYS

Approximately 13 line km of ground-based Bouguer gravity surveys were conducted in 2009 by MWH Geo-Surveys Inc. of Reno, Nevada. Roughly 4 line km were completed along the eastern extension of the Discovery Horizon while the remaining 9 km were done along strike of the mineralized horizons comprising the SD Zone. The Bouguer results are shown on Figure 12.

Condor Consulting Ltd. was retained to model and interpret encouraging Bouguer results from the Discovery Horizon, which are referred to as the DHG anomaly. This anomaly is a northerly elongated, 800 m long by 100 to 250 m wide target, the strongest portion of which is a 250 by 200 m feature interpreted to lie stratigraphically beneath the Discovery Horizon mineralization. A voxel model was constructed with inverted data (Figure 13). While the rocks associated with the anomaly are denser than the surrounding units, the absolute difference is not known.

Gravity response downdip and along strike of SD Zone mineralized horizons is subdued and indicates only subtle contrast with the surrounding volcaniclastic rocks. A feature referred to as



Copper (ppm)

- ≥500
- ≥200 <500
- ≥100 <200
- ≥50 <100
- ≥25 <50
- ≥0 <25

- 2010 diamond drill hole
- Pre-2010 diamond drill hole
- Mineralized horizon
- Mineralized showing

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FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

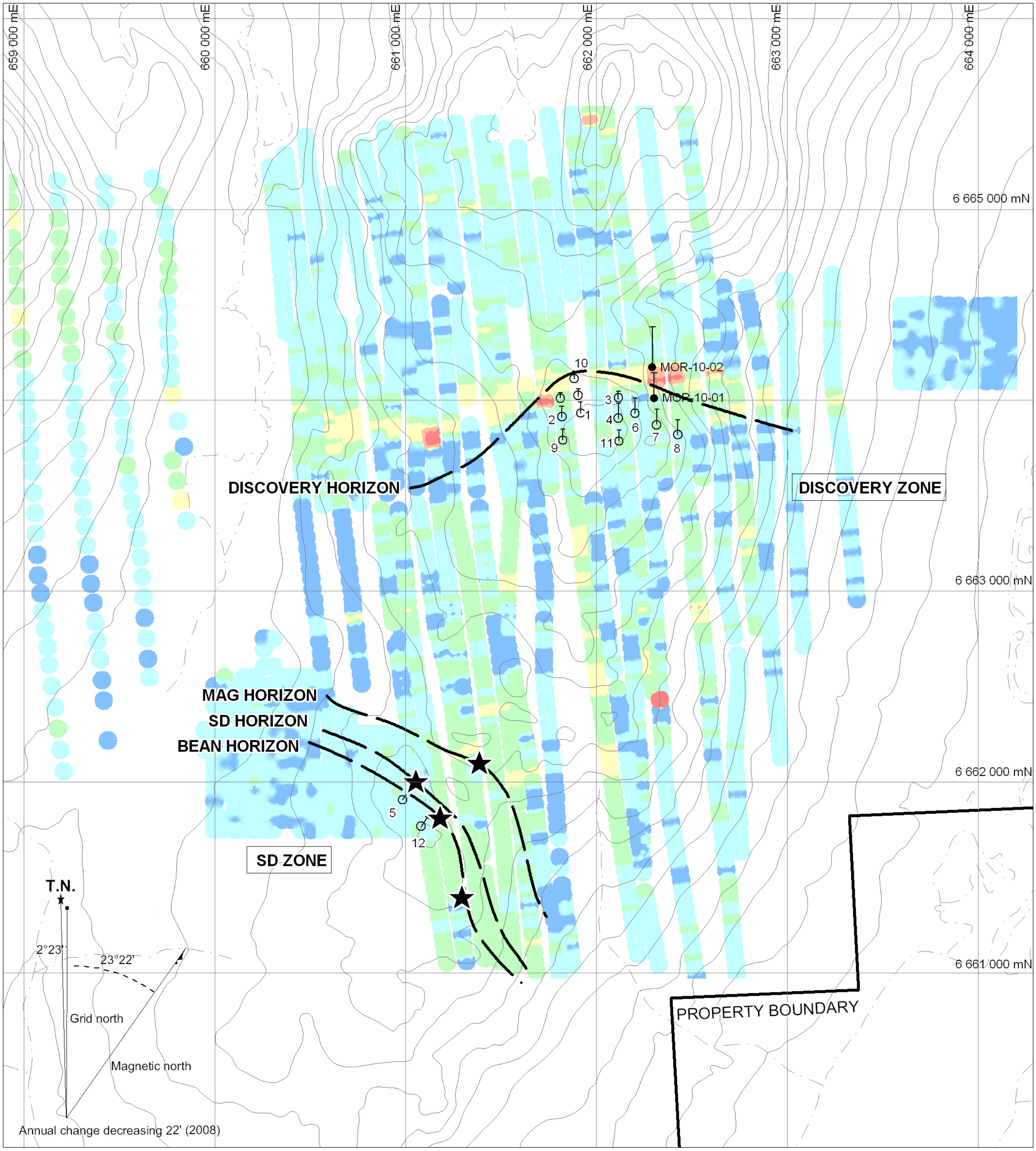
HISTORICAL COPPER GEOCHEMISTRY

MOR PROPERTY

0 — 1 km

UTM ZONE 8, NAD 83, 105C/01

FILE: 2009/MOR | DATE: AUGUST 2010



Lead (ppm)

- ≥100
- ≥50 <100
- ≥20 <50
- ≥10 <20
- ≥5 <10
- ≥0 <5

- 2010 diamond drill hole
- Pre-2010 diamond drill hole
- Mineralized horizon
- Mineralized showing

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FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

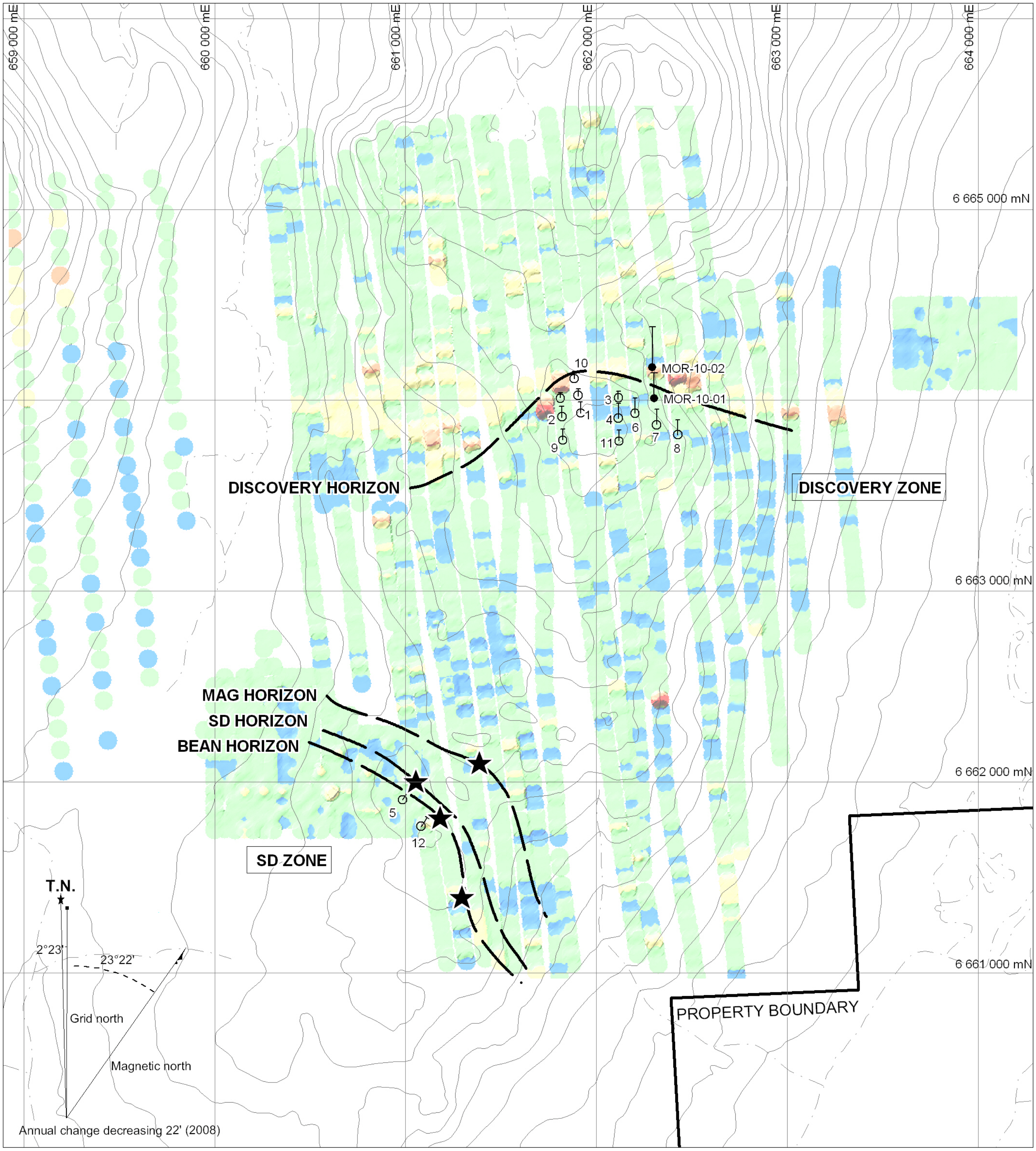
HISTORICAL LEAD GEOCHEMISTRY

MOR PROPERTY

0 — 1 km

UTM ZONE 8, NAD 83, 105C/01

FILE: 2009/MOR | DATE: AUGUST 2010



Zinc (ppm)

- ≥500
- ≥200 <500
- ≥100 <200
- ≥50 <100
- ≥0 <50

- 2010 diamond drill hole
- Pre-2010 diamond drill hole
- Mineralized horizon
- Mineralized showing

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FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

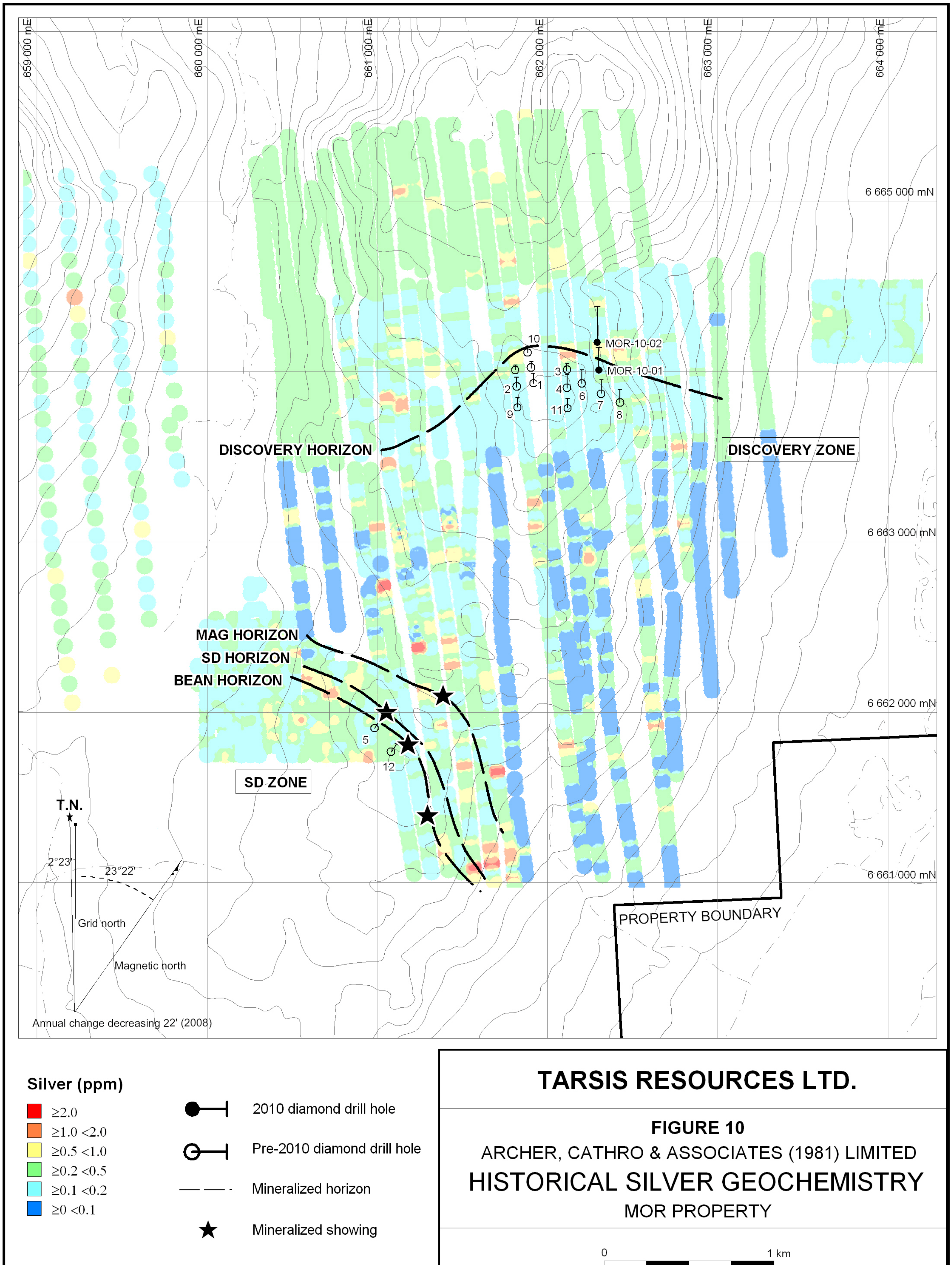
HISTORICAL ZINC GEOCHEMISTRY

MOR PROPERTY

0 — 1 km

UTM ZONE 8, NAD 83, 105C/01

FILE: 2009/MOR	DATE: AUGUST 2010



TARSIS RESOURCES LTD.

FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

HISTORICAL SILVER GEOCHEMISTRY

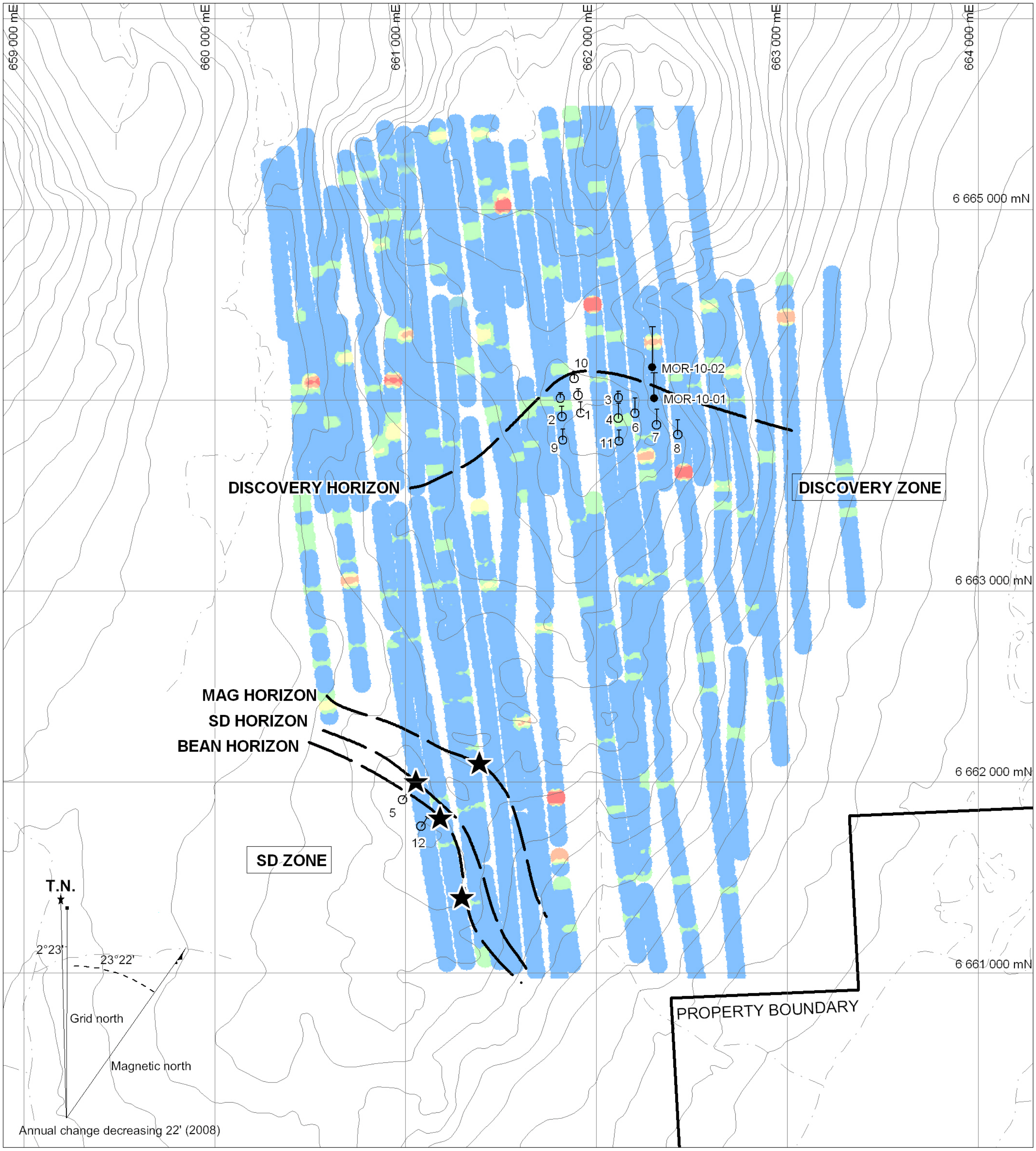
MOR PROPERTY

0 1 km

UTM ZONE 8, NAD 83, 105C/01

FILE: 2009/MOR

DATE: AUGUST 2010



Gold (ppb)

- ≥100
- ≥50 <100
- ≥25 <50
- ≥10 <25
- ≥0 <10

- 2010 diamond drill hole
- Pre-2010 diamond drill hole
- Mineralized horizon
- Mineralized showing

TARSIS RESOURCES LTD.

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

HISTORICAL GOLD GEOCHEMISTRY

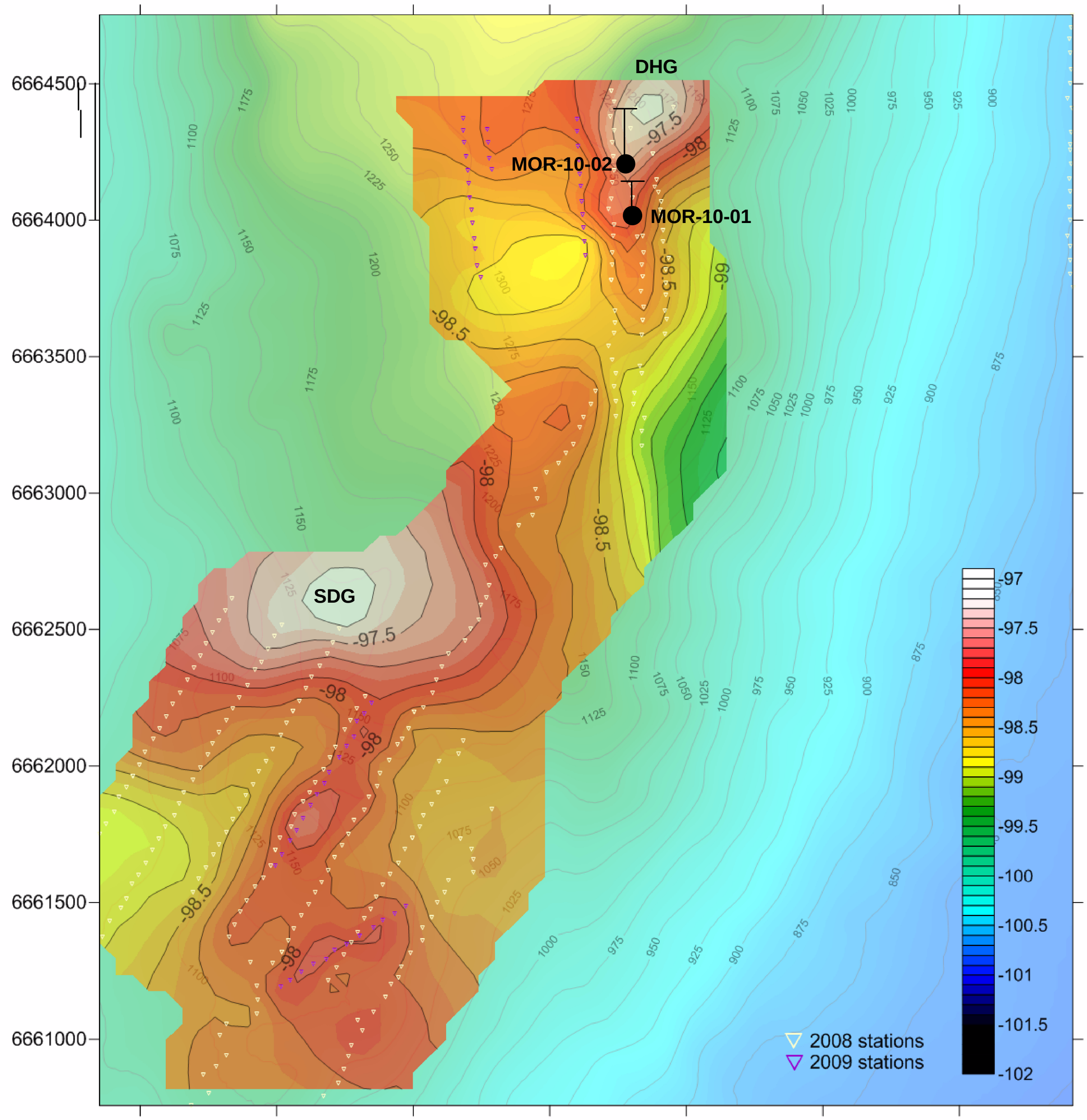
MOR PROPERTY

0 — 1 km

UTM ZONE 8, NAD 83, 105C/01

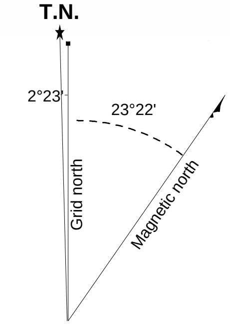
FILE: 2009/MOR	DATE: AUGUST 2010

Bouguer Gravity:
MOR Property, Yukon
Tarsis Capital Corp



UTM Zone 8N NAD83
Bouguer density 2.67 gm/cc
Terrain Corrections:
to 10,000m radius with acquired DEM / clino

MWH Geo-Surveys, Inc.



Annual change decreasing 22'

DHG Gravity anomaly described in text

2010 diamond drill hole

TARSIS RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FIGURE 12

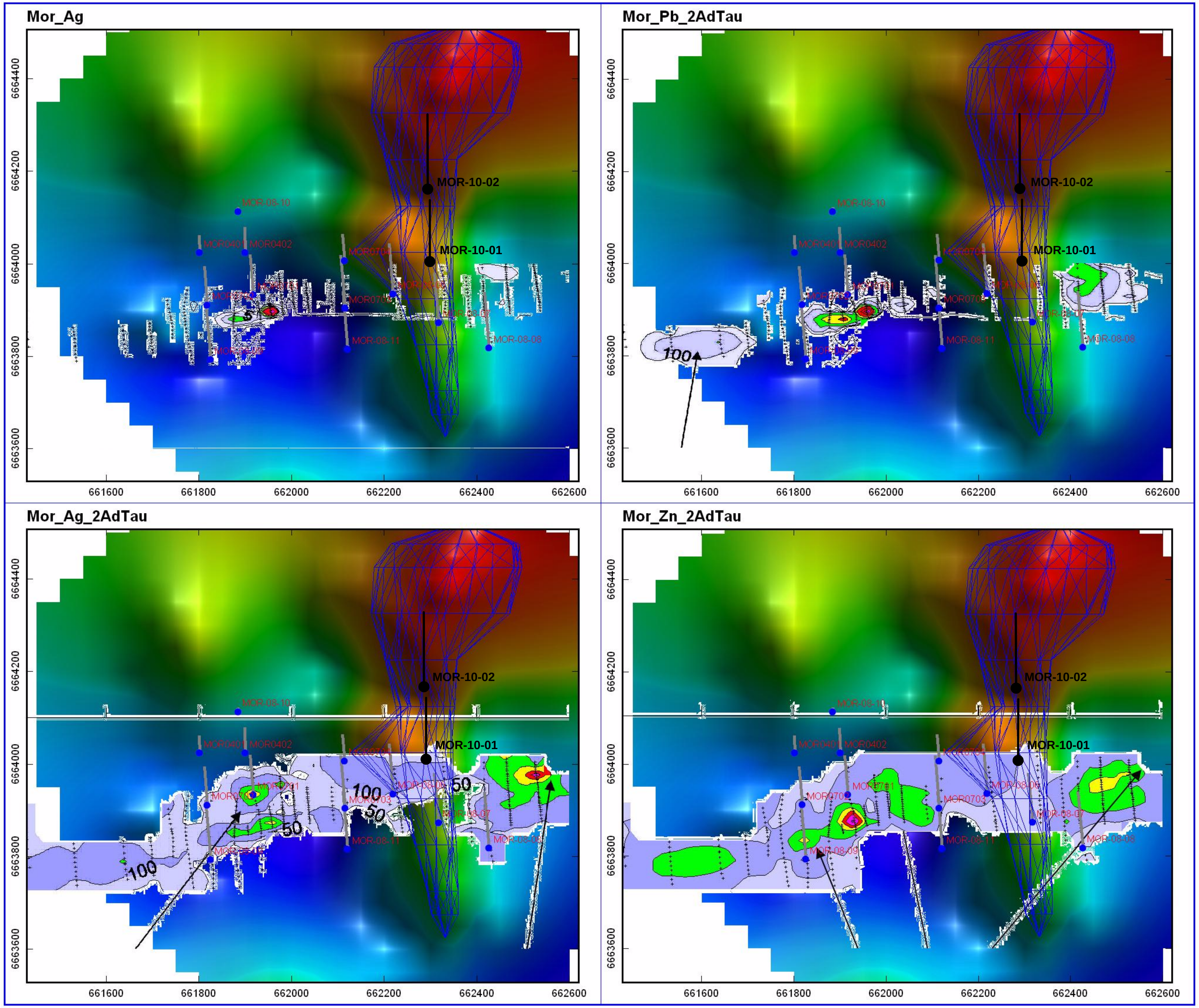
BOUGUER GRAVITY

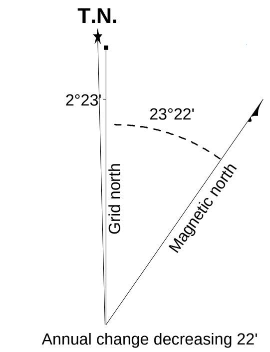
MOR PROPERTY

0 — 1 km

UTM ZONE 8, NAD 83, 105C/01

FILE: ...2009/MOR/F_2-CLAIM.WOR | DATE: AUGUST 2010





2010 Diamond Drill Hole

TARSIS RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FIGURE 13

GRAVITY VOXEL MODEL PLAN VIEW

MOR PROPERTY

0 1 km

UTM ZONE 8, NAD 83, 105C/01

FILE: ...2009/MOR DATE: AUGUST 2010

the SDG anomaly coincides with the edge of the survey block, but it may be attributed to an "edge effect."

2010 DRILL PROGRAM

General

The 2010 diamond drill program consisted of two holes totalling 443.83 m. The holes were intended to test the DHG anomaly and to explore for VHMS mineralization below the limestone/ marble unit, which underlies the volcaniclastic sequence hosting the Discovery Horizon.

The drilling was contracted to Top Rank Diamond Drilling Ltd. of Ste. Rose Du Lac, Manitoba. It was done with a helicopter portable JKS 300 drill using BTW equipment. Data concerning the drill program is summarized in Table II below.

Table II – 2010 Diamond

Hole Number	Azimuth	Dip	Final Depth
MOR-10-01	360	-50	168.60
MOR-10-02	360	-50	275.23

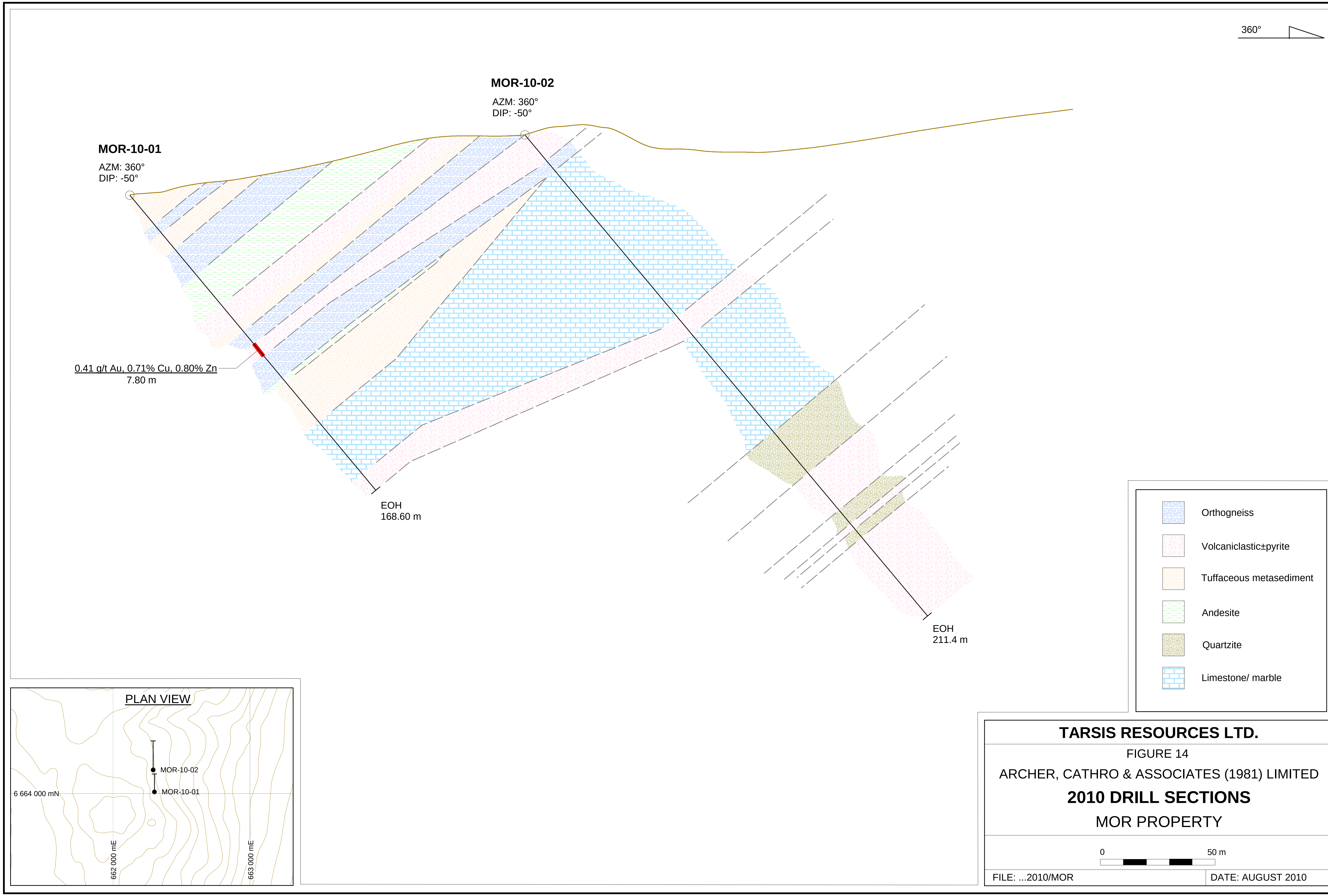
Core from the holes was transported from the property to the Archer Cathro compound in Whitehorse, where it was geologically and geotechnically logged and split using a manual core splitter or sawn using a rock saw. Appendix II contains the geological and geotechnical logs.

Samples were stored in the locked container until they were taken to a preparation laboratory operated by ALS Chemex in Whitehorse. Pulps from that lab were shipped by ALS Chemex to its analytical lab in North Vancouver where they were analyzed for gold using fire assay preparation followed by atomic absorption spectroscopy (Au-AA24) and 34 other elements by inductively coupled plasma-atomic emission spectrometry (ME-ICP41). Overlimit results from the geochemical analyses were assayed to obtain full values. Certificates of Analysis appear in Appendix III.

Analyses were done in 36 sample batches with each batch including two blank samples, two standard samples and one duplicate sample. All blank, standard and duplicate samples returned results that were acceptable under QAQC protocols.

Results

The first hole (MOR-10-01) was abandoned in the limestone/marble unit short of its target depth (Figure 14). Fortunately, it intersected VHMS style mineralization in the Discovery Horizon before reaching the limestone/ marble contact. The mineralization consisted of several thin bands of heavily disseminated to massive sulphides within a stratigraphic interval that averaged 0.71% Cu, 0.80% Zn and 0.414 g/t Au over 7.80 m. The best mineralized band within the


360°
MOR-10-02
AZM: 360°
DIP: -50°
MOR-10-01
AZM: 360°
DIP: -50°
0.41 g/t Au, 0.71% Cu, 0.80% Zn
7.80 m
EOH
168.60 m
EOH
211.4 m
Orthogneiss
Volcaniclastic±pyrite
Tuffaceous metasediment
Andesite
Quartzite
Limestone/ marble
PLAN VIEW
MOR-10-02
MOR-10-01
6 664 000 mN
662 000 mE
663 000 mE
TARSIS RESOURCES LTD.
FIGURE 14
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
2010 DRILL SECTIONS
MOR PROPERTY
0
50 m
FILE: ...2010/MOR
DATE: AUGUST 2010

interval graded 1.43% Cu, 1.98% Zn and 1.13 g/t Au across an intersected length of 0.65 m. The mineralized interval lies about 38 m above the limestone/marble contact.

The second hole (MOR-10-02) successfully crossed the limestone/marble unit and extended 104 m into the underlying stratigraphy. No mineralization or lithology was observed that would explain the gravity anomaly. Although this hole cut some of the favourable volcaniclastic stratigraphy overlying the limestone/marble unit, it was collared too far forward to have intersected the mineralization in the Discovery Horizon. The highest geochemical values from the stratigraphy below the limestone/marble unit were 0.62% Cu and 0.50% Zn.

DISCUSSION AND CONCLUSIONS

The VHMS mineralization on the MOR property is regionally important because it demonstrates potential for VHMS discoveries outside of the Finlayson Lake District.

Although the rocks beneath the limestone/ marble unit were not mineralized where intersected, the lithologies appear to be potential favourable hosts. Lithogeochemical studies should be done on core from below the limestone/ marble unit and if results of these studies are positive, additional holes should be drilled.

Although the 2010 drill program failed to explain the DHG anomaly, one of the two holes returned encouraging results from the Discovery Horizon. The MOR massive sulphide system has not been fully delineated and there are still geochemical and geophysical anomalies on the property that have not yet been drill tested.

Respectfully submitted,

Archer, Cathro & Associates (1981) Limited

H. Smith, P.Geo.

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Heather Smith, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address at #604-175 West 1 Street, North Vancouver, British Columbia, V7M 3N9 do hereby certify that:

1. I graduated from the University of British Columbia in 2006 with a B. Sc in Geological Sciences.

2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia and Northwest Territories.

3. I am a Professional Geoscientist (P.Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 150000).

4. I have personally directed the fieldwork reported herein and have interpreted all data resulting from this work.

Heather Smith, B.Sc., P.Geo.

APPENDIX II

GEOLOGICAL AND GEOTECHNICAL LOGS

MOR PROPERTY

Grid East	Grid North	Easting	Northing	Elev. (m)	Depth (m)
		662303	6664012	1248	168.60

ZONE: UTM 8

SECTION: 3000 E

HOLE: MOR-10-01

CLAIM: MOR3 YB89973

Contractor: Top Rank Drilling

Drill: JKS 300

Core size: BTW

Casing depth: 5.48 (m) in / out

Drilling dates: June 6 - 11, 2010

Geology logged by: Oliver Fu

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	335	-50.0	compass				

TARGET: Geophysical Target

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	0.51	0.51	OVB	
0.51	17.14	16.63	TMS	
17.14	24.00	6.86	OGN	
24.00	35.52	11.52	TMS	
35.52	46.60	11.08	OGN	
46.60	63.30	16.70	AND	
63.30	73.75	10.45	PCS	
73.75	77.30	3.55	OGN	
77.30	82.50	5.20	TMS	
82.50	85.10	2.60	OGN	
85.10	93.05	7.95	VCL	
93.05	98.80	5.75	OGN	
98.80	105.70	6.90	PCS	
105.70	108.75	3.05	AND	
108.75	130.25	21.50	TMS	
130.25	159.75	29.50	MRB	
159.75	168.60	8.85	VCL	
EOH				

SAMPLES

Numbers: G0557051 to G0557090

Total: 40

Batch: 1 (G0557051 to G0557086)

Batch: 2 (G0557087 to G0557090)

Date Sent: June 21, 2010

Certificate:

COMMENTS

The hole intersected all of the lithologies expected. Main mineralization was Py>Cp>Mt and hosted in volcaniclastic, tuffaceous metasedimentary, and orthogneissic layers. Sub-massive Py is exclusively hosted in the volcaniclastic layers with accessory Cp, and trace Bo. Py mineralization in the tuffaceous and orthogneissic layers occur as disseminations and interstitially. Andesitic bands host the majority of Mt. Dominant foliation orientation is at 70˚. Driling targets to IP and gravity anomalies were not reached due to drilling problems. Based on foliation angles, the orthogneiss will cut-off the mineralized volcaniclastic layer ~85m before its projected intersection in hole MOR-10-02.

GEOLOGY LOG

HOLE MOR-10-01

INTERVAL			SUB-INTERVAL			LITHOLOGY			ALTERATION						STRUCTURE				MINERALS								
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Sericite	Chlorite	Carbonate	Oxidation	Other Type	Other Intensity	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Pyrite	Magnetite	Chalcopyrite	Other Type	Other Intensity	Other Type	Other Intensity	Photo	DETAILED DESCRIPTION
0.00	0.51	0.51				OVB																					No recovery
0.51	17.14	16.63				TMS	WH-GN																				Tuffaceous Meta-Sediment (TMS) with narrow bands of orthogneiss. Py crystals are DI (1-2mm). Sparse rusty spotting on fractured surfaces.
			0.51	10.27	9.76		DI								FO	55			W								
							F.M.-G																				
			10.27	14.90	4.63										DE				T								Bands of Orthogneiss (OGN) are 5-40cm wide
			14.90	17.14	2.24		Rusty GN-WH		M	W		M															Highly oxidized on fractured surfaces.
17.14	24.00	6.86				OGN	WH-GN		W	W	T	W			DE												Orthogneiss. Py is DI & IN (whispy in some areas) with subhedral to euhedral crystals (2-10mm). Lighter colour due to an increase in felsic minerals. Sharp lower contact displayed by an increase in chlorite alteration and deformation.
							DI-IN												W								
24.00	35.52	11.52				TMS	DK GN-WH		W	M	W				FO	75			W	T							Tuffaceous Meta-Sediment. FG sections display well developed foliation (of mafics & chlorite minerals). Py is sparse and subhedral (1-10mm). Trace Mt veinlets are 1mm in width and sparse. Few Qz veins (1-3cm) occur along fractured surfaces.
							M.F.-G																				
35.52	46.60	11.08				OGN	DK GN-Rusty-WH		W	M	T	M			FX												Orthogneiss. Intensely fractured section and moderately chloritized. Py is DI & IN, appears to concentrate in chlorite-rich zones, subhedral to euhedral crystals are 1-3cm. Soft, sparse, emerald green mineral occurs along rusty fractures, fuchsite? Abundant rusty patches, fractures and vugs throughout the section.
							DI-IN												F								
							M.G.																				

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			ALTERATION						STRUCTURE				MINERALS								
													Other									Other		Other			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Sericite	Chlorite	Carbonate	Oxidation	Type	Intensity	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Pyrite	Magnetite	Chalcopyrite	Type	Intensity	Type	Intensity	Photo	DETAILED DESCRIPTION
46.60	63.30	16.70				AND	F.M.-G.																				Andesite (AND) with narrow lenses of TMS. Mt veinlets are 1-2mm thick and speckled throughout the sections (1-2mm subhedral to anhedral crystals). Qz crystals are subrounded, 1-2mm and resembled cloudy white Qz eyes. Sparse 1cm lean Qz veins are scattered. Py is DI.
			46.60	51.35	4.75		LT GY-GN		W	W					FO	70			T	M							
			51.35	58.45	7.10		LT-DK GY		W	W	W	T			DE				W								TMS lens.
															Qz VN	70											
			58.45	63.10	4.65		LT GY-GN		W	W					FO	70			W	W							Andesite
			63.10	63.30	0.20		DK GN-WH			M																	Chloritized TMS. Sharp lower contact displayed by an increase in chlorite alteration (forest green color) and a 15cm band of OGN at the end of the section. Py is concentrated in narrow zones, crystals are 1-2mm in size.
							DI-IN												F								
63.30	73.75	10.45				PCS	LT-DK GY-GN																				Pyritic Chlorite Schist (PCS)
							M.C.-G.																				
			63.30	70.30	7.00		DI-IN		W	M		T			FO	60			M	W		Bo	T				Well developed foliation. Py occurs as DI-IN, subhedral to euhedral crystals are 2-15mm. Sub-MA Py section occurs between 65.69-65.79m with minor Cp and Bo mineralized interstitially. Sparse 1cm lean Qz veins. Minor potassic alteration - K-spar & plag are readily present (plag > k-spar). Weakly magnetized AND section from 67.0-67.1m.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			ALTERATION						STRUCTURE				MINERALS								
													Other									Other		Other			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Sericite	Chlorite	Carbonate	Oxidation	Type	Intensity	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Pyrite	Magnetite	Chalcopyrite	Type	Intensity	Type	Intensity	Photo	DETAILED DESCRIPTION
			70.30	73.75	3.45		MD-DK GN		S	M	W	T			DE				M			Cp	T				Increase in metamorphic grade observed by strong seritization. FO still present although underwent deformation. Py crystals show a gradational increase in size from the previous interval and are now 7-11mm in size. Mafics also increase in concentration giving the section a darker GN-BK color. Sharp lower contact shown by loss of Py and increase in felsics; resulting in a lighter color.
															FO	40											
73.75	77.30	3.55				OGN	WH LT-GN		W	W		T			DE												Orthogneiss. Py are DI and subhedral (1-2mm). Sparse rusty spots on fractured surfaces.
							DI																				
							F.M.-G.																				
77.30	82.50	5.20				TMS	GY-GN		W	W		W							T								Tuffaceous Meta-Sediment with narrow OGN lens (@ 79.6-80m). Highly fractured, surfaces are rusty. Poorly developed fabric.
							F.M.-G.																				
82.50	85.10	2.60				OGN	WH LT-GN		W	W	W	T			DE												Orthogneiss. Py crystals are speckled, subhedral to euhedral, 1-3mm and appear to concentrate in chlorite-rich zones. Sparse lean Qz zones are 1-2cm wide.
							DI												M								
							F.M.-G.																				
85.10	93.05	7.95				VCL	GY			W					FO	80											Volcaniclastic (VCL) with sub-MA Py zones and narrow bands of OGN. Sub-MA Py appears speckled, and occurs in narrow bands 5-15cm. Py veins are also observed and are 1-2mm wide. Cp whisps and subhedral crystals occur alongside and interstitially in sub-MA Py zones. Mafics and chlorite also appear speckled, and show evidence of deformed FO.
							Sub-MA												50-60 %	F							
							M.G.																				
			87.70	88.50	0.80	OGN	WH LT-		W	W	T				DE				W		T						Orthogneiss. Numerous empty vugs 5-15mm wide.

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			ALTERATION						STRUCTURE				MINERALS								
													Other									Other		Other			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Sericite	Chlorite	Carbonate	Oxidation	Type	Intensity	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Pyrite	Magnetite	Chalcopyrite	Type	Intensity	Type	Intensity	Photo	DETAILED DESCRIPTION
			88.90	89.50	0.60	OGN	DI								DE				W		T						
							F.M.-G.																				
93.05	98.80	5.75				OGN	WH-GN		W	F	T				DE				W		T						Orthogneiss with narrow bands of sub-MA Py. Sub-MA Py sections concentrate in vuggy chlorite altered zones. Cp occurs alongside Py interstitially or as whips. Py and Cp zones occur in the following intervals: 96.57-96.77m, 97.15-97.32m,97.55-97.75m, 98.2-98.33m, 98.5-98.7m.
							F.M.-G.																				
98.80	105.70	6.90				PCS	WH FY-FN		T	W		T			FO	80			W								Pyritic Chlorite Schist. Well developed FO, although some areas do indicate deformation. Few rusty surfaces along fractures.
							F.M.-G.																				
105.70	108.75	3.05				AND	LT GY			W	T	T			FO	70											Andesite. Sharp lower contact. Mt crystals are subhedral and 1mm in size. Lean Qz veins are sparse and 1-3cm wide.
							F.G.																				
							DI																				
108.75	130.25	21.50				TMS	LT-DK GN-GY		T	W		T			QZ VN	70											Tuffaceous Meta Sediment. Py crystals are euhedral to anhedral and elongate (showing some evidence of strain). Silicification gradually increases towards the end of the unit. Lean Qz lenses increase in size from 1cm to 8cm. Narrow bands of OGN are sparse within the unit. From 124 to 129.9m deformation and alteration is evident with abundant fracturing and increasing number of stringers.
							DI												W								
							F.M.-G.																				

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL From (m)	INTERVAL To (m)	INTERVAL Interval (m)	SUB-INTERVAL From (m)	SUB-INTERVAL To (m)	SUB-INTERVAL Interval (m)	LITHOLOGY Unit	LITHOLOGY Modifier	LITHOLOGY Texture	ALTERATION Sericite	ALTERATION Chlorite	ALTERATION Carbonate	ALTERATION Oxidation	ALTERATION Other Type	ALTERATION Other Intensity	STRUCTURE Type	STRUCTURE Attitude (tca)	STRUCTURE Attitude (tfa)	STRUCTURE Density (frequency/m)	MINERALS Pyrite	MINERALS Magnetite	MINERALS Chalcopyrite	MINERALS Other Type	MINERALS Other Intensity	MINERALS Other Type	MINERALS Other Intensity	Photo	DETAILED DESCRIPTION
130.25	159.75	29.50				MRB	Cloudy WH			W					FO	30											Marble (MRB) interbedded with chlorite-rich volcaniclastic layers. MRB varies in color from cloudy white ('clean') to yellowish white ('dirtier' in appearance) with blotchy irregular shaped & brecciated chlorite/mafic lenses. Scattered (& infrequent) Cl-rich VCL sections are 8 to 20cm wide, they host euhedral DI Py crystals (0.1-0.5mm). Note: Shallow FO measurements were taken in the top half of the unit, and FO of 70 deg was taken in the bottom half of the unit (which corresponds to the main FO seen in this hole and hole MOR-08-07).
							F.G								FO	40											
							XL								FO	70											
															FO	70											
159.75	168.60	8.85				VCL	GY-GN		W	M-S	W				FO	70						Ga	T				Volcaniclastic with moderate Py mineralization. Cl crystals are subrounded, 1-25mm wide and resemble quartz-eyes. Py occurs as FG DI, whisps, and blebs (1-10mm) on fractured surfaces; occasionally with Cp as an accessory. Euhedral 1mm cubic with rusty borders, metallic, mineral Ga? occurs in trace amounts. Light pink, subrounded, moderately soft mineral, 1-3mm wide, and resembles a quartz-eye.
							F.M-G.								FO	60											
							DI												M								
EOH																											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: MOR-10-01

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Comments
63.10	65.10	2.00	2.00	100	G0557051	1	0.006	0.40	54	20	262	Pyrite Chlorite Schist (PCS)
65.10	67.20	2.10	2.05	98	G0557052	1	0.088	4.40	2890	108	1910	PCS. 10cm sub-MA Py, minor Bo & Cp.
67.20	69.20	2.00	2.00	100	G0557053	1	0.007	0.40	168	30	246	PCS
69.20	71.20	2.00	2.00	100	G0557054	1	0.108	6.00	131	300	1050	PCS
71.20	72.80	1.60	1.60	100	G0557055	1	0.013	1.30	74	17	395	PCS
Standard CND-ME-2					G0557056	1	2.140	13.30	4950	234	13700	Standard CND-ME-2
72.80	73.75	0.95	0.95	100	G0557057	1	0.290	16.10	214	1500	2100	PCS
73.75	75.75	2.00	2.00	100	G0557058	1	0.012	1.10	36	24	276	Orthogneiss (OGN)
75.75	77.75	2.00	2.00	100	G0557059	1	<0.005	0.30	15	21	89	OGN
77.75	79.75	2.00	2.00	100	G0557060	1	<0.005	0.30	31	15	149	OGN
79.75	81.75	2.00	2.00	100	G0557061	1	0.007	<0.2	14	9	141	Tuffaceous Meta-Sediment (TMS)
81.75	83.20	1.45	1.45	100	G0557062	1	<0.005	<0.2	59	23	263	Contact between TMS & OGN
83.20	84.20	1.00	0.90	90	G0557063	1	0.064	1.10	351	253	1880	OGN
84.20	85.10	0.90	0.90	100	G0557064	1	0.030	1.00	255	89	483	OGN
85.10	85.75	0.65	0.65	100	G0557065	1	0.425	22.50	3700	2270	14700	Volcaniclastic (VCL). 5-15cm sub-MA Py.
85.75	86.40	0.65	0.65	100	G0557066	1	0.351	11.40	3820	994	7360	VCL
86.40	87.05	0.65	0.65	100	G0557067	1	0.321	28.50	4450	2520	18800	VCL
BLANK					G0557068	1	<0.005	<0.2	40	11	73	BLANK - Batch B
87.05	87.70	0.65	0.65	100	G0557069	1	0.448	15.00	10550	922	12500	VCL
87.70	88.35	0.65	0.65	100	G0557070	1	0.033	2.20	1075	157	1160	OGN
88.35	89.00	0.65	0.65	100	G0557071	1	0.744	28.60	20600	1100	4250	VCL
89.00	89.65	0.65	0.65	100	G0557072	1	0.079	6.00	1680	643	3300	OGN
Standard CND-ME-6					G0557073	1	0.274	99.00	6290	9560	4940	Standard CND-ME-6
89.65	90.30	0.65	0.65	100	G0557074	1	0.323	3.60	5610	246	1390	VCL
90.30	90.95	0.65	0.65	100	G0557075	1	0.200	8.40	5250	486	3310	VCL
90.95	91.60	0.65	0.65	100	G0557076	1	0.526	34.80	12650	2620	4860	VCL
90.95	91.60	0.65	0.65	100	G0557077	1	0.737	41.80	12550	3220	4270	Duplicate of G0557076
91.60	92.25	0.65	0.65	100	G0557078	1	0.389	17.90	5240	1390	8820	VCL
92.25	92.90	0.65	0.65	100	G0557079	1	1.130	49.10	14250	3970	19750	VCL
92.90	94.00	1.10	1.10	100	G0557080	1	0.014	0.60	210	38	875	Contact between VCL & OGN
94.00	95.30	1.30	1.30	100	G0557081	1	<0.005	0.30	50	31	290	OGN
95.30	96.40	1.10	1.10	100	G0557082	1	<0.005	<0.2	46	15	92	OGN

SAMPLE LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Comments
96.40	97.10	0.70	0.70	100	G0557083	1	0.024	1.70	5290	26	106	OGN
97.10	97.90	0.80	0.80	100	G0557084	1	0.027	1.60	4650	9	98	OGN
BLANK					G0557085	1	<0.005	<0.2	24	5	15	BLANK - Batch B
97.90	98.70	0.80	0.80	100	G0557086	1	0.019	1.20	2790	6	106	OGN
98.70	99.70	1.00	0.95	95	G0557087	2	Not Assayed	<0.2	7	4	38	PCS
99.70	101.20	1.50	1.45	97	G0557088	2		<0.2	6	3	43	PCS
101.20	103.20	2.00	2.00	100	G0557089	2		<0.2	11	4	58	PCS
103.20	105.20	2.00	2.00	100	G0557090	2		<0.2	20	4	73	PCS

Overview: Main mineralization is hosted in the Volcaniclastic unit between 85.1m to 92.9m containing sub-massive pyrite zones (5-15cm). The volcaniclastic layer is commonly interbedded with small orthogneiss intervals which can host up to 0.5% copper, and contain 1.7 g/t silver.

GEOTECHNICAL LOG

HOLE: MOR-10-01

From (m)	To (m)	Interval (m)		Recovery (m)	Recovery (%)	RQD (m)	RQD (%)		Hardness	Weathering		Comments
0.90	3.96	3.06		0.54	18	0	0		S	FR		
3.96	7.01	3.05		0.65	21	0.42	14		W	FR		
7.01	10.10	3.09		2.80	91	2.10	68		MS	SW		
10.10	13.10	3.00		2.99	100	2.41	80		MS	MW		
13.10	16.20	3.10		2.80	90	1.60	52		MS	SW		
16.20	19.20	3.00		3.03	101	1.87	62		S	FR		
19.20	22.30	3.10		3.02	97	2.01	65		MS	FR		
22.30	25.30	3.00		2.80	93	1.22	41		S	MW		
25.30	28.30	3.00		3.10	103	2.51	84		MS	FR		
28.30	31.40	3.10		3.08	99	2.81	91		S	FR		
31.40	34.40	3.00		2.88	96	1.33	44		MS	SW		
34.40	37.50	3.10		3.25	105	1.21	39		S	MW		
37.50	40.50	3.00		2.34	78	0.47	16		S	MW		
40.50	43.60	3.10		2.57	83	0.29	9		S	MW		
43.60	46.60	3.00		2.50	83	0.73	24		S	SW		
46.60	49.70	3.10		3.09	100	1.63	53		S	FR		
49.70	52.70	3.00		3.07	102	2.88	96		MS	FR		
52.70	55.80	3.10		3.05	98	2.80	90		MS	SW		
55.80	58.80	3.00		3.04	101	2.69	90		MS	SW		
58.80	61.90	3.10		3.10	100	3.01	97		MS	FR		
61.90	64.90	3.00		3.08	103	2.47	82		MS	FR		
64.90	68.00	3.10		2.98	96	2.59	84		MS	FR		
68.00	71.00	3.00		2.98	99	2.42	81		MS	SW		
71.00	74.10	3.10		3.13	101	3.04	98		MS	FR		
74.10	77.10	3.00		3.06	102	2.92	97		VS	FR		
77.10	80.20	3.10		3.07	99	2.88	93		S	FR		
80.20	83.20	3.00		2.99	100	2.82	94		S	SW		
83.20	86.30	3.10		3.00	97	2.61	84		MS	SW		
86.30	89.30	3.00		3.13	104	3.06	102		MS	SW		
89.30	92.40	3.10		3.07	99	2.60	84		MS	SW		
92.40	95.40	3.00		3.06	102	2.82	94		MS	FR		
95.40	98.50	3.10		3.30	106	2.48	80		MS	FR		
98.50	101.50	3.00		2.85	95	2.33	78		S	SW		
101.50	104.50	3.00		3.04	101	2.43	81		S	SW		
104.50	107.60	3.10		3.00	97	2.18	70		MS	FR		
107.60	110.60	3.00		3.14	105	2.72	91		S	SW		
110.60	113.70	3.10		2.93	95	2.19	71		MS	SW		
113.70	116.70	3.00		3.01	100	2.73	91		S	FR		
116.70	119.80	3.10		3.12	101	2.60	84		MS	SW		
119.80	122.80	3.00		2.96	99	2.06	69		MS	FR		
122.80	125.90	3.10		3.08	99	2.05	66		MS	SW		
125.90	128.90	3.00		3.07	102	1.59	53		W	SW		
128.90	132.00	3.10		3.09	100	2.13	69		S	SW		
132.00	135.00	3.00		2.66	89	2.43	81		S	FR		
135.00	138.10	3.10		3.02	97	1.88	61		MS	FR		
138.10	140.85	2.75		2.78	101	2.26	82		MS	FR		
140.85	141.10	0.25		0.33	132	0.33	132		MS	FR		
141.10	144.20	3.10		2.97	96	2.97	96		S	FR		
144.20	147.20	3.00		3.09	103	2.17	72		MS	FR		
147.20	150.30	3.10		3.04	98	2.79	90		S	FR		
150.30	153.30	3.00		3.03	101	2.33	78		MS	SW		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)		Recovery (m)	Recovery (%)	RQD (m)	RQD (%)		Hardness	Weathering		Comments
153.30	156.40	3.10		3.01	97	2.55	82		MS	FR		
156.40	159.40	3.00		3.15	105	1.32	44		MS	SW		
159.40	162.50	3.10		3.00	97	2.63	85		S	FR		
162.50	165.50	3.00		3.06	102	2.46	82		S	FR		
165.50	168.60	3.10		2.54	82	2.30	74		MS	FR		
EOH												

MAGNETIC SUSCEPTIBILITY LOG

HOLE: MOR-10-01

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	TMS		0.30	
2.00	TMS		N/A	
3.00	TMS		N/A	
4.00	TMS		3.75	
5.00	TMS		N/A	
6.00	TMS		N/A	
7.00	TMS		4.42	
8.00	TMS		5.76	
9.00	TMS		3.77	
10.00	TMS		3.32	
11.00	TMS		1.66	
12.00	TMS		5.18	
13.00	TMS		1.20	
14.00	TMS		5.26	
15.00	TMS		0.38	
16.00	TMS		0.04	
17.00	TMS		0.16	
18.00	OGN		0.32	
19.00	OGN		10.40	
20.00	OGN		8.46	
21.00	OGN		10.30	
22.00	OGN		0.41	
23.00	OGN		0.30	
24.00	TMS		0.84	
25.00	TMS		4.57	
26.00	TMS		42.90	
27.00	TMS		0.86	
28.00	TMS		0.20	
29.00	TMS		0.55	
30.00	TMS		0.53	
31.00	TMS		0.71	
32.00	TMS		1.72	
33.00	TMS		0.67	
34.00	TMS		6.51	
35.00	TMS		0.51	
36.00	OGN		11.30	
37.00	OGN		14.60	
38.00	OGN		2.50	
39.00	OGN		1.14	
40.00	OGN		0.53	
41.00	OGN		0.30	
42.00	OGN		3.95	
43.00	OGN		0.28	
44.00	OGN		0.49	
45.00	OGN		0.36	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
46.00	OGN		0.47	
47.00	AND		20.70	
48.00	AND		21.60	
49.00	AND		13.00	
50.00	AND		25.10	
51.00	AND		27.30	
52.00	AND		28.60	
53.00	AND		0.51	
54.00	AND		24.10	
55.00	AND		0.43	
56.00	AND		0.16	
57.00	AND		0.18	
58.00	AND		0.18	
59.00	AND		11.10	
60.00	AND		17.70	
61.00	AND		26.00	
62.00	AND		0.65	
63.00	AND		22.70	
64.00	PCS		30.70	
65.00	PCS		6.62	
66.00	PCS		35.90	
67.00	PCS		11.20	
68.00	PCS		11.00	
69.00	PCS		13.60	
70.00	PCS		19.70	
71.00	PCS		0.16	
72.00	PCS		31.90	
73.00	PCS		0.49	
74.00	OGN		0.08	
75.00	OGN		0.12	
76.00	OGN		0.12	
77.00	OGN		0.84	
78.00	TMS		0.22	
79.00	TMS		6.23	
80.00	TMS		0.53	
81.00	TMS		0.57	
82.00	TMS		3.25	
83.00	OGN		3.77	
84.00	OGN		0.47	
85.00	OGN		9.47	
86.00	VCL		34.60	
87.00	VCL		10.50	
88.00	VCL		1.76	
89.00	VCL		1.04	
90.00	VCL		20.20	
91.00	VCL		11.40	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
92.00	VCL		2.05	
93.00	VCL		13.00	
94.00	OGN		14.40	
95.00	OGN		37.90	
96.00	OGN		3.21	
97.00	OGN		5.90	
98.00	OGN		13.00	
99.00	PCS		6.29	
100.00	PCS		3.95	
101.00	PCS		12.90	
102.00	PCS		0.77	
103.00	PCS		2.05	
104.00	PCS		11.70	
105.00	PCS		12.60	
106.00	AND		15.50	
107.00	AND		45.30	
108.00	AND		34.10	
109.00	TMS		1.98	
110.00	TMS		9.43	
111.00	TMS		0.96	
112.00	TMS		0.20	
113.00	TMS		0.63	
114.00	TMS		0.38	
115.00	TMS		2.17	
116.00	TMS		0.61	
117.00	TMS		0.16	
118.00	TMS		0.12	
119.00	TMS		0.26	
120.00	TMS		3.19	
121.00	TMS		1.29	
122.00	TMS		0.02	
123.00	TMS		0.32	
124.00	TMS		1.20	
125.00	TMS		0.02	
126.00	TMS		0.04	
127.00	TMS		0.47	
128.00	TMS		0.59	
129.00	TMS		0.67	
130.00	TMS		2.62	
131.00	MRB		0.04	
132.00	MRB		0.01	
133.00	MRB		39.80	
134.00	MRB		16.80	
135.00	MRB		0.59	
136.00	MRB		0.48	
137.00	MRB		0.59	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
138.00	MRB		0.02	
139.00	MRB		0.02	
140.00	MRB		0.08	
141.00	MRB		0.04	
142.00	MRB		0.16	
143.00	MRB		0.06	
144.00	MRB		0.04	
145.00	MRB		0.04	
146.00	MRB		0.12	
147.00	MRB		0.06	
148.00	MRB		0.02	
149.00	MRB		0.02	
150.00	MRB		0.08	
151.00	MRB		0.06	
152.00	MRB		0.00	
153.00	MRB		0.08	
154.00	MRB		0.18	
155.00	MRB		0.28	
156.00	MRB		0.02	
157.00	MRB		0.12	
158.00	MRB		0.00	
159.00	MRB		0.02	
160.00	VCL		0.43	
161.00	VCL		0.24	
162.00	VCL		1.61	
163.00	VCL		2.70	
164.00	VCL		0.57	
165.00	VCL		0.36	
166.00	VCL		0.24	
167.00	VCL		0.41	
168.00	VCL		1.25	
EOH				

BOX LOG

HOLE: MOR-10-01

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.50	10.84			
2	10.84	16.43			
3	16.43	22.04			
4	22.04	27.71			
5	27.71	33.24			
6	33.24	38.26			
7	38.26	44.47			
8	44.47	50.96			
9	50.96	56.66			
10	56.66	62.23			
11	62.23	68.00			
12	68.00	73.50			
13	73.50	79.20			
14	79.20	84.90			
15	84.90	90.52			
16	90.52	95.84			
17	95.84	101.50			
18	101.50	107.32			
19	107.32	112.76			
20	112.76	118.35			
21	118.35	124.09			
22	124.09	129.70			
23	129.70	135.23			
24	135.23	140.85			
25	140.85	140.85			
26	140.85	146.35			
27	146.35	151.85			
28	151.85	157.33			
29	157.33	162.90			
30	162.90	168.22			
30	168.22	168.80			
EOH					

DENSITY LOG

HOLE: MOR-10-01

Depth (m)	Unit	Modifier	MINERALS Py %	As %	Other	%	Comments	Length (cm)	Diameter (cm	Dry weight	Wet Weight	Density	Specific Gravity
7.01	TMS		2					11.6	4.2	409.5	263.2	2.55	2.80
20.65	OGN		2					11.0	4.2	407.2	256.9	2.67	2.71
30.85	TMS		3					11.7	4.2	435.3	281.9	2.69	2.84
50.96	AND		1		Mt	5		10.7	4.2	394.9	248.7	2.66	2.70
64.45	PCS		6					10.4	4.2	400.1	253.0	2.82	2.72
72.79	PCS		6					10.4	4.2	375.9	238.5	2.62	2.74
79.77	TMS		1					12.4	4.2	476.9	305.1	2.78	2.78
92.23	VCL		40				Sub-MSV PYR with 2cm OGN band	9.3	4.2	478.3	358.0	3.71	3.98
94.42	VCL		3					13.9	4.2	534.4	340.0	2.78	2.75
107.68	AND		1		Mt	3		14.1	4.2	526.2	330.4	2.69	2.69
124.40	TMS		3				Silicified TMS	11.1	4.2	408.4	257.0	2.67	2.70

MOR PROPERTY

Grid East	Grid North	Easting	Northing	Elev. (m)	Depth (m)
		662293	6664173	1244	275.23

ZONE: UTM 8

SECTION: 3000 E

HOLE: MOR-10-02

CLAIM: MOR1 YB89971

Contractor: Top Rank Drilling

Drill: JKS 300

Core size: BTW

Casing depth: 3.05 (m) in / out

Drilling dates: June 11 - 18, 2010

Geology logged by: Oliver Fu

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	335	-50.0	compass				

TARGET: Geophysical Target

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	3.57	3.57	OVB	
3.57	19.20	15.63	VCL	
19.20	23.20	4.00	OGN	
23.20	33.10	9.90	VCL	
33.10	52.85	19.75	VCL	
52.85	103.78	50.93	MRB	
103.78	114.30	10.52	VCL	
114.30	170.76	56.46	MRB	
170.76	195.68	24.92	QTE	
195.68	215.50	19.82	VCL	
215.50	219.60	4.10	VCL	
219.60	221.05	1.45	QTE	
221.05	226.05	5.00	VCL	
226.05	231.10	5.05	QTE	
231.10	275.23	44.13	VCL	
EOH				

SAMPLES

Numbers: G0557091 to G0557128

Total: 38

Batch: 2 (Samples G0557091 - G0557122)

Batch: 3 (Samples G0557123 - G0557128)

Date Sent: B2: June 21, 2010. B3: June 28, 2010

Certificate:

COMMENTS

The hole did not intersect all the lithologies expected. The volcaniclastic layer hosting sub-massive Py in hole MOR-10-01 was not intersected. Main mineralization was Py>Cp>Mt>Po>Bo and hosted in volcaniclastic layers. Few quartzite layers hosted Py. Mineralization occurs as disseminations and interstitially. Dominant foliation orientation is at 70˚. The mineralization through the IP and gravity anomalies showed trace to moderate Py, and trace Po and Bo. Deformation and chlorite alteration increase with depth.

GEOLOGY LOG

HOLE: MOR-10-02

INTERVAL			SUB-INTERVAL			LITHOLOGY			ALTERATION				Other		STRUCTURE				MINERALS			Other		Other			DETAILED DESCRIPTION
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Sericite	Chlorite	Carbonate	Oxidation	Type	Intensity	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Pyrite	Magnetite	Chalcopyrite	Type	Intensity	Type	Intensity	Photo	
0.00	3.57	3.57				OVB																					No recovery
3.57	19.20	15.63				VCL	Pale GN-WH		T	M		M-S	Ep	F	DE												Felsic Meta-Volcaniclastic (VCL) with abundant 1-2mm size Cl veins and FG DI Py. Highly fractured section with abundant rusty surfaces (fracturing increases with depth). Cl crystals become elongate and show evidence of compression.
							DI												F								
							F-M G																				
19.20	23.20	4.00				OGN	Pale GY-GN-WH		W	M		T	Ep	M	DE												Felsic Orthogneiss (OGN). Py is 1mm in size and DI throughout the section.
							DI												W								
							F-M G																				
23.20	33.10	9.90				VCL	Pale GN-WH		T	M		M-S	Ep	F	DE												Felsic Meta-Volcaniclastic with abundant 1-2mm Cl veins and FG DI Py. Highly fractured section with abundant rusty surfaces (fracturing increases with depth). Cl crystals become elongate and show evidence of compression towards the end of the section. Dark brownish, soft, semi-metallic mineral, seen throughout the matrix, altered biotite?
							DI												F								
							F.-M. G.																				
33.10	52.85	19.75				VCL	MD-DK GY-GN		W	M-S	T	T			DE				F		T						Volcaniclastic with DI and IN, EU to subhedral Py (1-10mm) . Section is highly fractured and deformed, both increasing with depth. Evident by abundant carbonate infilling of fractures and higher degree of fracturing and deformation. Sparse lean Qz lenses 1-4cm wide. FO at 70 when observed (otherwise FO is deformed). From 47-52.85m grain size increases from MG to CG. EU to subhedral Bi increases from MG to CG.
							F-M G								FO	70											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			ALTERATION						STRUCTURE				MINERALS								DETAILED DESCRIPTION
													Other									Other		Other			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Sericite	Chlorite	Carbonate	Oxidation	Type	Intensity	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Pyrite	Magnetite	Chalcopyrite	Type	Intensity	Type	Intensity	Photo	
52.85	103.78	50.93				MRB	Cloudy WH to YW-WH					T			Qz VN	50											Marble (MRB) interbedded with narrow (7 to 40cm) weakly mineralized Volcaniclastic units. MRB is cloudy white to yellowish-white and has a brecciated appearance (randomly throughout). Appears to have undergone minor hydrothermal alteration (giving it a 'dirty' MRB appearance), weak stockwork observed with 1-4 cm Qz veins. Weakly fractured. MRB also shows some evidence of recrystallization.
			58.11	58.41	0.30	VCL	DI-IN		W	M		T			FO	60			F		W						Volcaniclastic sections within the MRB are weakly
			59.20	59.65	0.45	VCL	DI-IN			M									T-W								to fairly mineralized. Py occurs as whisps, DI and IN
			60.70	60.75	0.05	VCL	DI-IN			M									T-W								with sizes ranging from 1-25mm. Py and Cl crystals
			60.82	60.92	0.10	VCL	DI-IN			M									T-W								are MG to CG. Most appear elongate and show
			65.03	65.35	0.32	VCL	DI-IN			M									T-W								evidence of deformation. Cl crystals resemble
			65.47	65.56	0.09	VCL	DI-IN			M									T-W								quartz-eyes, and are 1-3mm in size. Units show
			66.50	66.71	0.21	VCL	DI-IN			M									T-W								varying amounts of chlorite; zones with increased Cl
			67.23	67.53	0.30	VCL	DI-IN			M									T-W								host more mineralization (Py). Cl surrounds some
			67.60	67.70	0.10	VCL	DI-IN			M									T-W								Py crystals. From 74.67 onwards, 1-2mm light pink,
			73.42	73.68	0.26	VCL	DI-IN			M									T-W								moderately hard, quartz eyes are observed (1-4%).
			74.67	75.15	0.48	VCL	DI-IN			M									T-W								The breaks between MRB and VCL lithologies are
			76.45	78.67	2.22	PCS	DI-IN			M					FO	60			T-W								Pyrite Chlorite Schist (PCS). Cl crystals are MG to CG, subrounded, and resemble quart-eyes.
			80.54	80.89	0.35	VCL	DI-IN			M									M-S								
			84.07	85.30	1.23	VCL	DI-IN			M									T-W								
			86.75	87.00	0.25	QTE			W	M																	Quartzite (QTE) lens.
			88.40	88.57	0.17	VCL	DI-IN			M									M								
			90.75	91.40	0.65	VCL	DI-IN			M									T-W								
			93.40	94.75	1.35	VCL	DI-IN			M									T-W								
			95.06	95.27	0.21	VCL	DI-IN			M									W								
			96.94	97.21	0.27	VCL	DI-IN			M									T-W								
			97.70	97.86	0.16	VCL	DI-IN			M									T-W								
			98.28	99.87	1.59	VCL	DI-IN			M									T-W								
			99.87	99.97	0.10	VCL	DI-IN			M									T-W								
			100.21	101.86	1.65	VCL	DI-IN			M									T-W								
			102.33	102.48	0.15	VCL	DI-IN			M									T-W								
			102.70	102.90	0.20	VCL	DI-IN			M									T-W								
103.78	114.30	10.52				VCL	GY to DK-GY		T-W	T-W	F	W	sil	M					W	W		Po	T				Volcaniclastic. Cl crystals resemble quartz-eyes, subrounded, 1-3mm and elongate in some areas. Py is DI and occurs as whisps, 1-3mm.
							DI-IN																				
							MG																				
114.30	170.76	56.46				MRB	Cloudy WH																				Marble with interbedded volcaniclastic layers. From 120.02m onwards chlorite alteration increases. Weakly sheared along contact boundaries with VCL.

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			ALTERATION						STRUCTURE				MINERALS								
													Other									Other		Other			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Sericite	Chlorite	Carbonate	Oxidation	Type	Intensity	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Pyrite	Magnetite	Chalcopyrite	Type	Intensity	Type	Intensity	Photo	DETAILED DESCRIPTION
			114.85	115.15	0.30	VCL	DK GN-GY		T	W-S	T								T-W	T							Py is DI and occurs as whisps, 1-3mm throughout the VCL layers.
			117.80	118.94	1.14	VCL	F-M G		T	W-S	T								T-W								
			120.02	120.16	0.14	VCL			T	W-S	T								T-W								
			120.23	120.45	0.22	VCL			T	W-S	T								T-W								
			120.60	120.97	0.37	VCL			T	W-S	T								T-W								
			121.17	121.50	0.33	QTE			T	W-S	T								T-W								
			121.50	121.66	0.16	VCL			T	W-S	T								T-W								
			122.10	122.52	0.42	VCL			T	W-S	T								F								
			122.83	123.56	0.73	VCL			T	W-S	T								T-W								
			124.50	124.78	0.28	VCL			T	W-S	T								T-W								
			132.12	132.25	0.13	VCL			T	W-S	T								T-W								
			133.92	134.94	1.02	VCL			T	W-S	T								T-W								
			139.93	140.28	0.35	VCL			T	W-S	T								T-W								
			146.58	146.95	0.37	VCL			T	W-S	T								T-W								
			149.53	149.89	0.36	VCL			T	W-S	T								T-W								
			151.70	152.33	0.63	VCL			T	W-S	T								T-W								
			153.07	153.35	0.28	VCL			T	W-S	T								T-W								
			154.36	154.51	0.15	VCL			T	W-S	T								T-W								
			154.90	156.56	1.66	VCL			T	W-S	T								T-W								
			157.85	158.80	0.95	VCL			T	W-S	T								T-W								
			162.45	164.12	1.67	VCL			T	W-S	T								T-W								
			164.33	164.70	0.37	VCL			T	W-S	T								T-W								
			165.68	166.00	0.32	VCL			T	W-S	T								T-W								
			169.75	169.90	0.15	VCL			T	W-S	T								T-W								
170.76	195.68	24.92				QTE									FO	70-80			T-W								Quartzite interbedded with marble and volcaniclastic bands. FO measured from dark mafic layers in the MRB. Py crystals are blebby and DI. MG to CG mafic-rich bands occur randomly throughout the section. Dark brownish, soft, semi-metallic mineral, seen throughout the matrix, altered biotite?
			176.38	177.22	0.84	MRB	Cloudy WH-YW																				
			177.22	177.37	0.15	VCL				W									T-W								
			178.35	179.57	1.22	VCL				W									T-W								
			182.03	182.46	0.43	VCL				W									M								
			184.90	185.26	0.36	VCL				W									T-W								

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			ALTERATION						STRUCTURE				MINERALS								
													Other									Other		Other			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Sericite	Chlorite	Carbonate	Oxidation	Type	Intensity	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Pyrite	Magnetite	Chalcopyrite	Type	Intensity	Type	Intensity	Photo	DETAILED DESCRIPTION
195.68	215.50	19.82				VCL	DK GN-GY			M-S		T-W			FO	70						Po	T				Mafic-rich Volcaniclastic with varying amounts Py. Py is DI and IN. Patchy bornite 'splotches' occur on rusty fractured surfaces. Lt pink altered porphyryblasts? Lean QZ lenses 1-2cm. Biotite crystals are MG.
							DI-IN												W-F			Bo	T				
							F-M G																				
215.50	219.60	4.10				VCL	LT-DK GN			S	W		Ep	F-M	FO	70						Po	T				Volcaniclastic with chlorite porphyryblasts. Po is blotchy. Section is mafic-rich (giving the dark green colour). Biotite crystals are MG.
							MC G																				
219.60	221.05	1.45				QTE	WH-GY			T					FO	70											Quartzite with interbedded marble layers.
							FG																				
221.05	226.05	5.00				VCL	DK GN-GY			S	T		Ep	F	FO	70											Volcaniclastic. Py crystals are DI and IN (1-3mm). Mafic-rich. Well developed FO.
							DI-IN												M								
226.05	231.10	5.05				QTE	WH GY																				Quartzite interbedded with marble and volcaniclastic layers. Very fine grain to FG.
			229.63	230.45	0.82	VCL	DK GN			M			Ep	W													Volcaniclastic with chlorite porphyryblasts. Dark brownish, soft, semi-metallic mineral, seen throughout the matrix, altered biotite?
							DI-IN																				
							F-M G																				
231.10	275.23	44.13				VCL	DK GN		W-M	S-I	W		Ep	F	FO	65			T-W	T		Po	W				Volcaniclastic with chlorite porphyryblasts, CG Bi and an altered brownish minerals (biotite?). Some areas show an accumulation of Cl crystals (appears they have settled and accumulated in a narrow zone). Few areas have well developed fabric while most crystal orientation appear 'disorganized.
							DI-IN																				
							M-C G																				
			244.30	248.60	4.30	MRB	WH LT-GY		W																		Marble with dark grey (0.1-1cm) mafic layers.
							FG																				

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			ALTERATION						STRUCTURE				MINERALS								DETAILED DESCRIPTION
													Other									Other		Other			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Sericite	Chlorite	Carbonate	Oxidation	Type	Intensity	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Pyrite	Magnetite	Chalcopyrite	Type	Intensity	Type	Intensity	Photo	
			253.85	260.50	6.65	MRB	WH LT-GY		W																		Marble with dark grey (0.1-1cm) mafic layers.
EOH																											

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

SAMPLE LOG

HOLE: MOR-10-02

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Comments
30.36	32.36	2.00	2.00	100	G0557091	2	Not Assayed	<0.2	19	3	67	
32.36	34.36	2.00	2.00	100	G0557092	2		0.30	115	12	114	
34.36	36.36	2.00	2.00	100	G0557093	2		<0.2	83	7	109	
36.36	38.36	2.00	1.80	90	G0557094	2		0.30	64	7	100	
STANDARD - CDN-ME-6					G0557095	2		95.20	6140	9870	4900	Standard - CDN-ME-6
38.36	40.36	2.00	2.00	100	G0557096	2		0.30	78	23	76	
40.36	42.36	2.00	2.00	100	G0557097	2		<0.2	76	10	78	
42.36	44.36	2.00	2.00	100	G0557098	2		0.20	53	13	61	
44.36	46.36	2.00	2.00	100	G0557099	2		0.30	68	13	81	
46.36	48.36	2.00	2.00	100	G0557100	2		<0.2	42	9	62	
48.36	49.86	1.50	1.45	97	G0557101	2		<0.2	40	8	43	
BLANK					G0557102	2		<0.2	2	4	12	Blank - Batch C
49.86	51.36	1.50	1.50	100	G0557103	2		<0.2	21	3	20	
51.36	52.86	1.50	1.50	100	G0557104	2		<0.2	60	7	67	
52.86	54.86	2.00	2.00	100	G0557105	2		<0.2	3	6	32	
103.79	105.89	2.10	2.10	100	G0557106	2		<0.2	59	5	67	
105.89	107.99	2.10	2.10	100	G0557107	2		0.30	66	7	66	
STANDARD - CDN-ME-2					G0557108	2		14.20	5090	251	12900	Standard - CDN-ME-2
107.99	110.09	2.10	2.10	100	G0557109	2		0.40	85	7	86	
110.09	112.19	2.10	2.10	100	G0557110	2		0.50	72	7	43	
112.19	114.30	2.11	2.11	100	G0557111	2		0.20	48	5	61	
196.95	198.95	2.00	2.00	100	G0557112	2		0.30	94	4	45	
198.95	200.95	2.00	2.00	100	G0557113	2		<0.2	77	5	40	
200.95	202.95	2.00	2.00	100	G0557114	2		0.20	102	2	42	
BLANK					G0557115	2		<0.2	2	2	13	Blank - Batch C
202.95	204.95	2.00	2.00	100	G0557116	2		0.20	59	4	40	
204.95	206.95	2.00	2.00	100	G0557117	2		<0.2	73	5	40	
206.95	208.95	2.00	2.00	100	G0557118	2		<0.2	73	5	43	
208.95	210.95	2.00	2.00	100	G0557119	2		0.20	99	7	43	
208.95	210.95	2.00	2.00	100	G0557120	2		0.20	104	5	43	Duplicate - 1/4 sample of G0557119
210.95	212.95	2.00	2.00	100	G0557121	2		0.20	78	4	47	
212.95	214.95	2.00	2.00	100	G0557122	2		<0.2	91	6	46	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Comments
214.95	216.95	2.00	2.00	100	G0557123	3		<0.2	47	<2	31	
216.95	219.58	2.63	2.63	100	G0557124	3		<0.2	54	<2	43	
231.40	233.65	2.25	2.25	100	G0557125	3		<0.2	24	<2	52	
233.65	235.90	2.25	2.25	100	G0557126	3		<0.2	27	<2	42	
235.90	238.25	2.35	2.35	100	G0557127	3		<0.2	2	<2	45	
STANDARD - CDN-ME-6					G0557128	3		98.00	6150	9630	4960	Standard - CDN-ME-6

GEOTECHNICAL LOG

HOLE: MOR-10-02

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering		Comments
0.00	3.96	3.96	0.55	14	0	0	W	HW		
3.96	7.01	3.05	3.04	100	0.96	31	MS	MW		
7.01	10.10	3.09	1.62	52	1.42	46	MS	MW		
10.10	13.10	3.00	3.06	102	2.25	75	MS	MW		
13.10	16.20	3.10	2.85	92	1.80	58	MS	MW		
16.20	19.30	3.10	1.68	54	1.06	34	MS	SW		
19.30	22.30	3.00	3.01	100	2.92	97	S	FR		
22.30	25.30	3.00	3.00	100	2.71	90	S	FR		
25.30	28.30	3.00	2.98	99	1.67	56	S	FR		
28.30	31.40	3.10	3.04	98	1.86	60	MS	MW		
31.40	34.40	3.00	2.97	99	2.66	89	MS	FR		
34.40	37.50	3.10	2.73	88	1.59	51	S	SW		
37.50	40.50	3.00	2.94	98	2.82	94	S	FR		
40.50	43.60	3.10	3.09	100	3.07	99	S	FR		
43.60	46.60	3.00	2.98	99	2.98	99	W	FR		
46.60	49.70	3.10	3.03	98	2.20	71	MS	MW		
49.70	52.70	3.00	2.70	90	2.13	71	S	MW		
52.70	55.78	3.08	3.08	100	2.98	97	S	FR		
55.78	58.82	3.04	3.00	99	3.00	99	MS	FR		
58.82	61.87	3.05	3.02	99	3.02	99	MS	FR		
61.87	64.92	3.05	2.99	98	2.99	98	MS	FR		
64.92	67.97	3.05	3.03	99	3.03	99	MS	FR		
67.97	71.01	3.04	3.05	100	3.03	100	S	FR		
71.01	74.06	3.05	3.04	100	3.00	98	S	FR		
74.06	77.14	3.08	3.06	99	2.75	89	S	FR		
77.14	80.16	3.02	3.05	101	3.00	99	S	FR		
80.16	83.21	3.05	3.02	99	3.02	99	S	FR		
83.21	86.25	3.04	3.00	99	2.60	86	MS	FR		
86.25	89.30	3.05	3.02	99	2.60	85	MS	FR		
89.30	92.35	3.05	3.04	100	2.58	85	S	FR		
92.35	95.40	3.05	3.05	100	3.05	100	S	FR		
95.40	98.45	3.05	3.02	99	2.92	96	S	FR		
98.45	101.49	3.04	2.63	87	1.89	62	S	FR		
101.49	104.54	3.05	3.06	100	3.00	98	S	FR		
104.54	107.59	3.05	3.01	99	3.01	99	S	FR		
107.59	110.59	3.00	3.02	101	2.82	94	S	FR		
110.59	113.69	3.10	3.11	100	1.97	64	MS	MW		
113.69	116.73	3.04	3.03	100	2.83	93	MS	MW		
116.73	119.78	3.05	3.06	100	2.94	96	MS	FR		
119.78	122.83	3.05	2.95	97	2.72	89	S	FR		
122.83	125.88	3.05	2.97	97	2.90	95	S	FR		
125.88	128.93	3.05	2.95	97	2.25	74	MS	FR		
128.93	131.97	3.04	3.07	101	2.77	91	MS	FR		
131.97	135.02	3.05	3.05	100	3.05	100	S	FR		
135.02	138.07	3.05	3.05	100	3.05	100	S	FR		
138.07	141.12	3.05	3.03	99	2.95	97	S	FR		
141.12	144.17	3.05	3.04	100	2.90	95	S	FR		
144.17	147.21	3.04	3.02	99	3.00	99	S	FR		
147.21	150.26	3.05	3.05	100	2.97	97	S	FR		
150.26	153.31	3.05	3.06	100	2.57	84	S	FR		

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering		Comments
153.31	156.36	3.05	3.01	99	2.96	97	S	FR		
156.36	159.41	3.05	3.00	98	2.88	94	S	FR		
159.41	162.45	3.04	3.03	100	3.03	100	MS	FR		
162.45	165.50	3.05	3.05	100	2.93	96	MS	FR		
165.50	168.55	3.05	3.06	100	2.98	98	MS	FR		
168.55	171.60	3.05	3.04	100	2.82	92	MS	FR		
171.60	174.70	3.10	3.02	97	2.92	94	S	MW		
174.70	177.69	2.99	3.02	101	3.02	101	S	FR		
177.69	180.74	3.05	3.07	101	3.07	101	S	FR		
180.74	183.79	3.05	3.09	101	3.00	98	MS	FR		
183.79	186.84	3.05	3.03	99	2.90	95	MS	FR		
186.84	189.89	3.05	3.00	98	2.95	97	MS	FR		
189.89	192.93	3.04	3.06	101	3.00	99	S	FR		
192.93	195.98	3.05	3.00	98	2.92	96	S	MW		
195.98	199.03	3.05	2.98	98	2.67	88	S	MW		
199.03	202.08	3.05	2.93	96	2.25	74	S	MW		
202.08	205.13	3.05	3.00	98	2.20	72	S	FR		
205.13	208.37	3.24	3.06	94	1.90	59	W	FR		
208.37	211.22	2.85	2.90	102	2.90	102	W	FR		
211.22	214.27	3.05	3.05	100	2.85	93	W	FR		
214.27	217.32	3.05	3.01	99	2.96	97	MS	FR		
217.32	220.37	3.05	3.06	100	2.85	93	MS	FR		
220.37	223.41	3.04	3.05	100	3.00	99	S	FR		
223.41	226.46	3.05	3.07	101	2.85	93	S	FR		
226.46	229.51	3.05	3.07	101	2.98	98	S	FR		
229.51	232.56	3.05	3.06	100	3.06	100	MS	FR		
232.56	235.61	3.05	3.02	99	2.92	96	MS	FR		
235.61	238.65	3.04	3.07	101	3.00	99	MS	FR		
238.65	241.70	3.05	3.04	100	2.96	97	MS	FR		
241.70	244.75	3.05	3.02	99	2.97	97	MS	FR		
244.75	247.80	3.05	3.03	99	2.96	97	MS	FR		
247.80	250.85	3.05	3.04	100	3.04	100	MS	FR		
250.85	253.89	3.04	3.07	101	3.00	99	MS	FR		
253.89	256.94	3.05	2.94	96	2.63	86	S	FR		
256.94	259.99	3.05	3.08	101	3.00	98	S	FR		
259.99	263.04	3.05	2.98	98	2.90	95	MS	FR		
263.04	266.09	3.05	3.04	100	2.92	96	S	FR		
266.09	269.14	3.05	3.06	100	2.96	97	MS	FR		
269.14	272.18	3.04	3.05	100	3.05	100	MS	FR		
272.18	275.23	3.05	3.05	100	3.05	100	S	FR		
EOH										

BOX LOG

HOLE: MOR-10-02

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	3.57	9.80	36	198.30	203.50
2	9.80	15.13	37	203.50	209.13
3	15.13	21.83	38	209.13	214.80
4	21.83	26.89	39	214.80	220.37
5	26.89	32.36	40	220.37	226.03
6	32.36	37.50	41	226.03	231.40
7	37.50	43.19	42	231.40	237.17
8	43.19	48.76	43	237.17	242.63
9	48.76	54.42	44	242.63	248.43
10	54.42	60.05	45	248.43	253.95
11	60.05	65.66	46	253.95	259.11
12	65.66	71.01	47	259.11	264.84
13	71.01	76.60	48	264.84	270.62
14	76.60	82.20	49	270.62	275.23
15	82.20	88.00	**EOH**		
16	88.00	93.63			
17	93.63	99.08			
18	99.08	104.90			
19	104.90	110.53			
20	110.53	115.53			
21	115.53	121.05			
22	121.05	126.76			
23	126.76	131.97			
24	131.97	137.76			
25	137.76	143.01			
26	143.01	148.50			
27	148.50	154.06			
28	154.06	159.50			
29	159.50	165.15			
30	165.15	170.76			
31	170.76	176.20			
32	176.20	181.67			
33	181.67	187.10			
34	187.10	192.80			
35	192.80	198.30			

MAGNETIC SUSCEPTIBILITY LOG

HOLE: MOR-10-02

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00	VCL		N/A	
2.00	VCL		N/A	
3.00	VCL		N/A	
4.00	VCL		2.78	
5.00	VCL		5.33	
6.00	VCL		3.24	
7.00	VCL		0.16	
8.00	VCL		0.10	
9.00	VCL		0.38	
10.00	VCL		0.16	
11.00	VCL		0.14	
12.00	VCL		0.12	
13.00	VCL		0.22	
14.00	VCL		0.22	
15.00	VCL		0.10	
16.00	VCL		0.18	
17.00	VCL		0.20	
18.00	VCL		0.20	
19.00	VCL		0.16	
20.00	OGN		0.20	
21.00	OGN		0.20	
22.00	OGN		0.30	
23.00	OGN		0.18	
24.00	VCL		0.32	
25.00	VCL		0.18	
26.00	VCL		0.18	
27.00	VCL		0.28	
28.00	VCL		0.14	
29.00	VCL		0.12	
30.00	VCL		0.10	
31.00	VCL		0.18	
32.00	VCL		0.49	
33.00	VCL		8.30	
34.00	VCL		0.28	
35.00	VCL		0.67	
36.00	VCL		1.10	
37.00	VCL		0.04	
38.00	VCL		0.86	
39.00	VCL		0.53	
40.00	VCL		0.12	
41.00	VCL		0.75	
42.00	VCL		0.22	
43.00	VCL		0.16	
44.00	VCL		0.34	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00	VCL		2.72	
46.00	VCL		7.33	
47.00	VCL		1.02	
48.00	VCL		0.69	
49.00	VCL		0.16	
50.00	VCL		1.08	
51.00	VCL		0.18	
52.00	VCL		0.30	
53.00	MRB		0.10	
54.00	MRB		0.08	
55.00	MRB		0.20	
56.00	MRB		0.30	
57.00	MRB		0.18	
58.00	VCL		0.10	
59.00	MRB		0.10	
60.00	MRB		0.10	
61.00	MRB		0.04	
62.00	MRB		0.00	
63.00	MRB		0.06	
64.00	MRB		0.06	
65.00	MRB		0.22	
66.00	MRB		0.24	
67.00	MRB		0.02	
68.00	MRB		0.12	
69.00	MRB		0.10	
70.00	MRB		0.08	
71.00	MRB		0.04	
72.00	MRB		0.10	
73.00	MRB		0.06	
74.00	MRB		0.02	
75.00	VCL		0.02	
76.00	MRB		0.16	
77.00	MRB		2.15	
78.00	MRB		3.95	
79.00	MRB		0.02	
80.00	MRB		0.04	
81.00	MRB		0.20	
82.00	MRB		0.20	
83.00	MRB		0.04	
84.00	MRB		0.10	
85.00	VCL		0.49	
86.00	MRB		0.04	
87.00	MRB		0.01	
88.00	MRB		0.00	
89.00	MRB		0.02	
90.00	MRB		0.06	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00	VCL		0.77	
92.00	MRB		0.04	
93.00	VCL		0.36	
94.00	MRB		26.70	
95.00	MRB		0.41	
96.00	MRB		0.18	
97.00	VCL		0.26	
98.00	MRB		1.57	
99.00	MRB		0.65	
100.00	MRB		0.55	
101.00	VCL		11.60	
102.00	MRB		0.45	
103.00	MRB		0.06	
104.00	VCL		0.24	
105.00	VCL		0.73	
106.00	VCL		0.49	
107.00	VCL		0.49	
108.00	VCL		0.92	
109.00	VCL		0.69	
110.00	VCL		0.28	
111.00	VCL		0.43	
112.00	VCL		0.28	
113.00	VCL		0.67	
114.00	MRB		0.55	
115.00	VCL		0.59	
116.00	MRB		0.12	
117.00	MRB		0.10	
118.00	VCL		2.41	
119.00	MRB		0.26	
120.00	VCL		0.41	
121.00	MRB		0.02	
122.00	MRB		0.22	
123.00	VCL		4.16	
124.00	MRB		1.04	
125.00	MRB		0.04	
126.00	MRB		0.28	
127.00	MRB		0.10	
128.00	MRB		0.20	
129.00	MRB		0.10	
130.00	MRB		0.63	
131.00	MRB		0.04	
132.00	MRB		0.08	
133.00	MRB		0.08	
134.00	VCL		12.30	
135.00	MRB		0.04	
136.00	MRB		0.14	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00	MRB		0.16	
138.00	MRB		0.98	
139.00	MRB		0.10	
140.00	VCL		8.17	
141.00	MRB		0.04	
142.00	MRB		0.02	
143.00	MRB		0.02	
144.00	MRB		0.14	
145.00	MRB		0.14	
146.00	MRB		0.02	
147.00	MRB		0.47	
148.00	MRB		0.45	
149.00	MRB		0.28	
150.00	MRB		0.28	
151.00	MRB		0.04	
152.00	VCL		64.10	
153.00	MRB		0.02	
154.00	MRB		0.00	
155.00	VCL		0.67	
156.00	VCL		19.10	
157.00	MRB		2.82	
158.00	MRB		0.14	
159.00	MRB		0.04	
160.00	MRB		0.04	
161.00	MRB		0.51	
162.00	MRB		0.08	
163.00	VCL		0.24	
164.00	VCL		0.36	
165.00	MRB		0.57	
166.00	MRB		0.36	
167.00	MRB		0.02	
168.00	MRB		0.06	
169.00	MRB		0.08	
170.00	MRB		0.12	
171.00	QTE		0.08	
172.00	QTE		0.20	
173.00	QTE		0.30	
174.00	QTE		0.30	
175.00	QTE		0.31	
176.00	QTE		0.46	
177.00	MRB		0.08	
178.00	QTE		0.02	
179.00	VCL		0.02	
180.00	QTE		0.02	
181.00	QTE		1.56	
182.00	QTE		2.89	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00	QTE		0.10	
184.00	QTE		0.80	
185.00	VCL		0.80	
186.00	VCL		0.80	
187.00	VCL		20.40	
188.00	VCL		0.10	
189.00	VCL		0.21	
190.00	VCL		0.21	
191.00	VCL		0.02	
192.00	VCL		0.04	
193.00	VCL		0.05	
194.00	VCL		0.06	
195.00	VCL		0.06	
196.00	VCL		0.28	
197.00	VCL		0.30	
198.00	VCL		0.28	
199.00	VCL		0.76	
200.00	VCL		0.50	
201.00	VCL		0.50	
202.00	VCL		0.50	
203.00	VCL		0.49	
204.00	VCL		0.08	
205.00	VCL		0.08	
206.00	VCL		0.04	
207.00	VCL		0.02	
208.00	VCL		0.02	
209.00	VCL		0.02	
210.00	VCL		0.02	
211.00	VCL		0.04	
212.00	VCL		0.04	
213.00	VCL		0.20	
214.00	VCL		0.20	
215.00	VCL		0.20	
216.00	VCL		0.10	
217.00	VCL		0.08	
218.00	VCL		0.20	
219.00	VCL		0.42	
220.00	QTE		0.17	
221.00	QTE		0.16	
222.00	VCL		0.17	
223.00	VCL		0.17	
224.00	VCL		0.20	
225.00	VCL		0.82	
226.00	VCL		0.86	
227.00	QTE		0.04	
228.00	QTE		0.06	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00	QTE		0.47	
230.00	VCL		1.39	
231.00	QTE		0.32	
232.00	VCL		6.27	
233.00	VCL		0.75	
234.00	VCL		0.79	
235.00	VCL		0.36	
236.00	VCL		0.75	
237.00	VCL		0.79	
238.00	VCL		0.77	
239.00	VCL		0.80	
240.00	VCL		0.20	
241.00	VCL		0.56	
242.00	VCL		0.70	
243.00	VCL		0.90	
244.00	VCL		0.75	
245.00	MRB		1.47	
246.00	MRB		0.24	
247.00	MRB		0.24	
248.00	MRB		3.73	
249.00	VCL		0.02	
250.00	VCL		0.18	
251.00	VCL		1.90	
252.00	VCL		0.32	
253.00	VCL		0.59	
254.00	MRB		0.04	
255.00	MRB		0.06	
256.00	MRB		0.04	
257.00	MRB		0.02	
258.00	MRB		0.02	
259.00	MRB		0.02	
260.00	MRB		0.02	
261.00	VCL		0.05	
262.00	VCL		0.13	
263.00	VCL		0.26	
264.00	VCL		0.25	
265.00	VCL		0.25	
266.00	VCL		0.26	
267.00	VCL		0.10	
268.00	VCL		0.08	
269.00	VCL		0.08	
270.00	VCL		0.08	
271.00	VCL		0.32	
272.00	VCL		0.08	
273.00	VCL		0.02	
274.00	VCL		1.68	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)		Unit	Modifier		Magnetic Susceptibility		Comments
275.00		VCL			29.20		
EOH							

DENSITY LOG

HOLE: MOR-10-02

Depth (m)	Unit	Modifier	MINERALS Py %	As %	Other	%	Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
13.55	VCL		4					9.9	4.2	347.5	216.1	2.53	2.64
20.96	OGN		3					14.7	4.2	524.8	326.8	2.58	2.65
31.20	VCL		3					11.9	4.2	427.1	266.5	2.59	2.66
34.94	VCL		3					12.2	4.2	447.3	282.8	2.66	2.72
49.96	VCL		3					10.3	4.2	370.6	233.3	2.60	2.70
80.54	VCL		20					14.5	4.2	581.8	388.5	2.91	3.01
87.50	VCL		10					13.2	4.2	488.8	320.5	2.68	2.90
129.52	MRB							11.8	4.2	434.5	278.1	2.67	2.78
134.43	MRB		3					12.7	4.2	501.2	327.8	2.86	2.89
186.84	QTE		3					10.1	4.2	401.7	267.3	2.89	2.99
197.40	VCL		5		Po-Bo	T		13.0	4.2	475.0	303.1	2.65	2.76
201.08	VCL		5		Po-Bo	T		11.6	4.2	437.4	277.8	2.71	2.74
204.85	VCL		5		Po-Bo	T		12.1	4.2	454.4	296.4	2.71	2.88
233.52	VCL		3		Mt Po	T W		11.5	4.2	476.5	318.4	3.00	3.01

APPENDIX III

CERTIFICATES OF ANALYSIS

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: F

CERTIFICATE WH10082497

Project: MOR

P.O. No.:

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUN-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER	BILL WENGZYNOWSKI	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: F

Project: MOR

CERTIFICATE OF ANALYSIS WH10082497

Sample Description	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0557051	3.40	0.006	0.4	2.95	4	<10	150	<0.5	3	1.34	<0.5	15	12	54	5.04
G0557052	3.69	0.088	4.4	3.02	11	<10	30	<0.5	13	1.42	5.6	35	30	2890	8.49
G0557053	3.64	0.007	0.4	2.18	4	<10	330	<0.5	<2	1.48	<0.5	14	21	168	3.66
G0557054	3.50	0.108	6.0	1.46	5	<10	250	<0.5	<2	1.01	5.5	8	9	131	2.30
G0557055	3.04	0.013	1.3	3.23	5	<10	840	<0.5	<2	1.79	<0.5	18	3	74	4.98
G0557056	0.16	2.14	13.3	0.95	24	<10	30	<0.5	6	0.28	53.8	10	42	4950	8.86
G0557057	1.74	0.290	16.1	1.23	12	<10	180	<0.5	<2	0.60	15.7	7	4	214	1.86
G0557058	3.93	0.012	1.1	1.22	5	<10	300	<0.5	<2	0.34	1.4	5	4	36	1.42
G0557059	3.62	<0.005	0.3	1.53	7	<10	190	<0.5	<2	0.99	<0.5	6	7	15	2.06
G0557060	3.92	<0.005	0.3	2.29	4	<10	170	<0.5	<2	1.77	<0.5	12	9	31	3.39
G0557061	3.96	0.007	<0.2	3.87	4	<10	330	<0.5	<2	2.53	<0.5	24	38	14	4.78
G0557062	2.48	<0.005	<0.2	1.30	3	<10	350	<0.5	<2	1.52	1.8	7	6	59	2.29
G0557063	1.99	0.064	1.1	1.68	7	<10	120	<0.5	<2	0.77	26.4	9	4	351	3.23
G0557064	1.83	0.030	1.0	2.36	7	<10	120	<0.5	<2	1.67	0.6	17	23	255	4.80
G0557065	1.42	0.425	22.5	2.43	30	<10	30	<0.5	64	1.27	38.7	66	22	3700	18.0
G0557066	1.35	0.351	11.4	3.04	26	<10	30	<0.5	31	0.68	18.3	36	28	3820	13.35
G0557067	1.64	0.321	28.5	2.24	46	<10	20	<0.5	74	0.79	50.7	78	19	4450	22.7
G0557068	2.57	<0.005	<0.2	0.05	4	<10	20	<0.5	<2	19.1	<0.5	<1	1	40	0.50
G0557069	1.48	0.448	15.0	2.54	28	<10	40	<0.5	18	0.77	33.1	45	10	>10000	17.0
G0557070	1.56	0.033	2.2	1.99	10	<10	120	<0.5	3	1.10	1.7	12	12	1075	3.73
G0557071	1.38	0.744	28.6	2.31	26	<10	50	<0.5	38	0.46	12.9	82	14	>10000	13.6
G0557072	1.01	0.079	6.0	2.32	13	<10	70	<0.5	16	1.53	9.4	22	20	1680	6.53
G0557073	0.31	0.274	99.0	1.21	241	<10	90	<0.5	31	0.60	24.0	10	30	6290	5.16
G0557074	1.32	0.323	3.6	0.97	13	<10	30	<0.5	12	1.02	4.0	21	11	5610	5.93
G0557075	1.61	0.200	8.4	2.49	30	<10	60	<0.5	22	1.03	9.8	64	9	5250	12.60
G0557076	1.61	0.526	34.8	1.08	60	<10	20	<0.5	141	1.03	16.2	204	10	>10000	24.3
G0557077	0.74	0.737	41.8	1.05	70	<10	20	<0.5	169	1.06	14.7	266	1	>10000	28.5
G0557078	1.43	0.389	17.9	3.45	30	<10	50	<0.5	49	2.04	28.5	78	73	5240	16.1
G0557079	1.77	1.130	49.1	1.86	40	<10	30	<0.5	175	0.86	62.1	132	6	>10000	24.3
G0557080	2.15	0.014	0.6	3.99	11	<10	240	<0.5	<2	2.17	0.6	25	11	210	6.30
G0557081	2.38	<0.005	0.3	3.82	6	<10	220	<0.5	<2	2.38	<0.5	21	27	50	5.20
G0557082	1.86	<0.005	<0.2	4.02	5	<10	40	<0.5	<2	2.85	<0.5	23	20	46	5.35
G0557083	1.66	0.024	1.7	5.00	16	<10	80	<0.5	4	1.94	<0.5	47	56	5290	8.87
G0557084	1.56	0.027	1.6	3.53	10	<10	80	<0.5	5	1.04	<0.5	38	18	4650	6.58
G0557085	2.22	<0.005	<0.2	0.05	<2	<10	10	<0.5	<2	19.4	<0.5	2	1	24	0.42
G0557086	1.61	0.019	1.2	4.62	8	<10	70	<0.5	7	0.81	<0.5	36	13	2790	8.67

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
Account: F

Project: MOR

CERTIFICATE OF ANALYSIS WH10082497

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
G0557051		10	<1	0.21	10	2.80	1005	<1	0.05	6	600	20	0.68	<2	10	24
G0557052		10	2	0.18	<10	2.90	954	1	0.05	12	470	108	5.03	<2	10	25
G0557053		10	<1	0.25	10	2.04	743	<1	0.08	10	470	30	0.31	<2	8	23
G0557054		10	<1	0.58	10	1.08	539	2	0.04	5	360	300	1.00	<2	3	21
G0557055		10	<1	2.13	<10	2.80	1400	<1	0.04	6	550	17	0.31	<2	12	47
G0557056		<10	1	0.10	<10	0.96	330	12	0.02	23	110	234	>10.0	<2	2	8
G0557057		<10	2	0.71	10	0.76	413	<1	0.03	4	240	1500	1.25	3	2	21
G0557058		<10	<1	0.49	10	0.90	288	1	0.08	3	460	24	0.69	<2	2	12
G0557059		<10	<1	0.42	10	1.24	525	<1	0.07	5	390	21	0.36	<2	3	23
G0557060		10	<1	0.49	10	2.03	834	2	0.06	7	450	15	0.36	<2	7	35
G0557061		10	1	0.45	10	4.18	1185	<1	0.05	19	330	9	0.07	<2	19	56
G0557062		<10	<1	0.36	10	1.14	646	<1	0.07	5	310	23	0.69	<2	4	30
G0557063		10	1	0.36	10	1.32	463	<1	0.08	3	430	253	1.70	<2	4	17
G0557064		10	1	0.56	<10	2.07	748	<1	0.06	11	560	89	1.64	<2	9	28
G0557065		10	7	0.29	<10	2.18	745	9	0.04	14	410	2270	>10.0	<2	8	30
G0557066		10	4	0.15	<10	2.88	712	10	0.05	11	390	994	>10.0	<2	7	13
G0557067		10	9	0.12	<10	2.01	621	11	0.04	10	270	2520	>10.0	<2	4	23
G0557068		<10	<1	0.02	10	12.05	190	<1	0.02	5	200	11	<0.01	<2	<1	53
G0557069		10	6	0.22	<10	2.30	656	10	0.04	6	250	922	>10.0	<2	4	15
G0557070		10	1	0.18	10	1.83	640	<1	0.08	7	420	157	1.30	<2	7	21
G0557071		10	4	0.28	<10	1.99	526	2	0.05	9	330	1100	>10.0	<2	7	11
G0557072		10	2	0.41	<10	2.14	769	1	0.06	9	400	643	4.85	<2	9	20
G0557073		<10	1	0.09	<10	0.74	1600	20	0.05	25	440	>10000	2.38	402	4	26
G0557074		<10	<1	0.09	10	0.79	458	1	0.11	3	390	246	4.36	3	6	22
G0557075		10	1	0.23	<10	2.20	759	2	0.04	6	440	486	>10.0	<2	7	13
G0557076		<10	3	0.15	<10	0.85	436	2	0.04	4	200	2620	>10.0	<2	4	11
G0557077		<10	1	0.10	<10	0.85	442	2	0.04	3	180	3220	>10.0	<2	4	11
G0557078		10	4	0.17	<10	3.50	1205	4	0.02	26	470	1390	>10.0	4	13	28
G0557079		<10	11	0.18	<10	1.60	541	6	0.02	8	290	3970	>10.0	<2	6	18
G0557080		10	<1	0.18	<10	3.87	1305	<1	0.04	4	820	38	0.49	2	17	33
G0557081		10	<1	0.10	<10	3.79	1240	<1	0.05	12	600	31	0.06	<2	18	42
G0557082		10	<1	0.06	<10	4.12	1285	<1	0.04	13	570	15	0.03	<2	22	49
G0557083		10	<1	0.08	<10	5.19	1405	1	0.02	19	580	26	3.29	<2	16	32
G0557084		10	<1	0.16	<10	3.41	978	1	0.04	10	520	9	2.21	<2	12	16
G0557085		<10	<1	0.02	<10	12.50	197	<1	0.01	<1	260	5	<0.01	<2	<1	45
G0557086		10	<1	0.17	<10	4.51	1180	<1	0.02	4	730	6	3.18	<2	9	10

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VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2010
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Project: MOR

CERTIFICATE OF ANALYSIS WH10082497

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-OG46 Cu % 0.001	Pb-OG46 Pb % 0.001	Zn-OG46 Zn % 0.001
G0557051		<20	0.05	<10	<10	81	<10	262			
G0557052		<20	0.03	<10	<10	83	<10	1910			
G0557053		<20	0.04	<10	<10	54	<10	246			
G0557054		<20	0.05	<10	<10	20	<10	1050			
G0557055		<20	0.25	<10	<10	111	<10	395			
G0557056		<20	0.02	<10	<10	15	10	>10000			1.370
G0557057		<20	0.04	<10	<10	14	<10	2100			
G0557058		<20	0.02	<10	<10	11	<10	276			
G0557059		<20	0.03	<10	<10	15	<10	89			
G0557060		<20	0.04	<10	<10	47	<10	149			
G0557061		<20	0.05	<10	<10	120	<10	141			
G0557062		<20	0.02	<10	<10	19	<10	263			
G0557063		<20	0.02	<10	<10	29	<10	1880			
G0557064		<20	0.07	<10	<10	76	<10	483			
G0557065		<20	0.04	<10	<10	71	<10	>10000			1.470
G0557066		<20	0.04	<10	<10	62	<10	7360			
G0557067		<20	0.03	<10	<10	47	10	>10000			1.880
G0557068		<20	<0.01	<10	<10	3	<10	73			
G0557069		<20	0.04	<10	<10	47	10	>10000	1.055		1.250
G0557070		<20	0.03	<10	<10	47	<10	1160			
G0557071		<20	0.03	<10	<10	44	<10	4250	2.06		
G0557072		<20	0.05	<10	<10	62	<10	3300			
G0557073		<20	0.08	<10	<10	40	<10	4940		0.956	
G0557074		<20	0.03	<10	<10	23	<10	1390			
G0557075		<20	0.03	<10	<10	69	<10	3310			
G0557076		<20	0.01	<10	<10	32	<10	4860	1.265		
G0557077		<20	0.01	<10	<10	31	<10	4270	1.255		
G0557078		<20	0.01	<10	<10	77	<10	8820			
G0557079		<20	0.01	<10	<10	41	10	>10000	1.425		1.975
G0557080		<20	0.03	<10	<10	159	<10	875			
G0557081		<20	0.02	<10	<10	141	<10	290			
G0557082		<20	0.02	<10	<10	175	<10	92			
G0557083		<20	0.02	<10	<10	121	<10	106			
G0557084		<20	0.02	<10	<10	94	<10	98			
G0557085		<20	<0.01	<10	<10	2	<10	15			
G0557086		<20	0.02	<10	<10	85	<10	106			

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: F

CERTIFICATE WH10082498

Project: MOR
P.O. No.:
This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUN-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER	BILL WENGZYNOWSKI	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH10082498

Sample Description	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
G0557087		2.14	<0.2	1.53	<2	<10	40	<0.5	<2	0.39	<0.5	3	4	7	2.61	10
G0557088		2.42	<0.2	1.52	2	<10	30	<0.5	<2	0.34	<0.5	3	3	6	2.91	10
G0557089		3.75	<0.2	1.38	<2	<10	30	<0.5	<2	0.88	<0.5	4	4	11	2.83	<10
G0557090		3.89	<0.2	1.34	<2	<10	50	<0.5	<2	1.10	<0.5	6	3	20	2.72	<10
G0557091		3.48	<0.2	0.92	<2	<10	40	<0.5	<2	0.30	<0.5	1	5	19	1.63	<10
G0557092		4.02	0.3	2.49	4	<10	280	<0.5	<2	1.84	<0.5	15	62	115	3.89	10
G0557093		3.35	<0.2	1.32	12	<10	260	<0.5	<2	0.91	0.5	10	40	83	2.61	<10
G0557094		3.36	0.3	1.41	14	<10	260	0.6	<2	2.56	<0.5	15	42	64	3.16	<10
G0557095		0.31	95.2	1.44	244	<10	110	<0.5	25	0.66	23.6	11	32	6140	5.25	<10
G0557096		3.51	0.3	0.97	196	<10	180	<0.5	<2	2.21	<0.5	14	28	78	2.70	<10
G0557097		3.69	<0.2	1.85	21	<10	320	0.6	2	1.35	<0.5	14	44	76	3.25	<10
G0557098		4.17	0.2	1.79	13	<10	150	0.6	<2	1.63	<0.5	14	52	53	2.92	<10
G0557099		3.68	0.3	1.66	5	<10	350	0.5	<2	1.60	<0.5	13	36	68	2.94	<10
G0557100		3.97	<0.2	1.80	7	<10	270	0.8	<2	2.40	<0.5	15	41	42	3.17	10
G0557101		2.18	<0.2	1.58	5	<10	240	0.6	<2	1.94	<0.5	11	74	40	2.79	10
G0557102		2.25	<0.2	0.04	2	<10	10	<0.5	<2	19.7	<0.5	1	1	2	0.40	<10
G0557103		2.78	<0.2	0.92	5	<10	180	0.5	<2	1.99	<0.5	10	67	21	1.95	<10
G0557104		2.95	<0.2	1.87	2	<10	160	<0.5	<2	2.62	<0.5	18	114	60	2.99	<10
G0557105		4.33	<0.2	0.64	<2	<10	90	<0.5	<2	16.9	0.5	6	40	3	1.31	<10
G0557106		4.12	<0.2	2.22	3	<10	250	0.5	3	2.76	<0.5	12	104	59	3.66	10
G0557107		4.05	0.3	2.17	9	<10	160	<0.5	<2	2.56	<0.5	17	80	66	4.31	10
G0557108		0.16	14.2	1.78	27	<10	40	<0.5	5	0.32	56.1	9	50	5090	9.30	<10
G0557109		4.00	0.4	0.46	118	<10	150	<0.5	<2	2.55	<0.5	18	28	85	4.35	<10
G0557110		3.73	0.5	0.56	256	<10	80	<0.5	<2	2.72	<0.5	15	16	72	3.39	<10
G0557111		4.62	0.2	1.71	34	<10	80	0.5	<2	2.44	<0.5	13	20	48	3.56	10
G0557112		3.98	0.3	1.96	126	<10	40	<0.5	<2	2.03	<0.5	13	40	94	3.68	<10
G0557113		4.07	<0.2	1.33	20	<10	80	<0.5	<2	0.30	<0.5	10	35	77	2.89	10
G0557114		3.62	0.2	1.75	2	<10	70	<0.5	<2	0.74	<0.5	12	36	102	3.34	10
G0557115		1.96	<0.2	0.04	2	<10	10	<0.5	<2	19.3	<0.5	1	1	2	0.37	<10
G0557116		3.86	0.2	1.68	<2	<10	60	<0.5	<2	0.65	<0.5	11	38	59	2.96	10
G0557117		3.41	<0.2	1.52	7	<10	60	<0.5	<2	0.34	<0.5	9	56	73	2.94	10
G0557118		4.02	<0.2	1.64	6	<10	80	0.5	<2	0.57	<0.5	10	66	73	2.98	10
G0557119		3.84	0.2	1.61	<2	<10	120	0.5	<2	0.99	<0.5	13	37	99	3.23	10
G0557120		1.98	0.2	1.57	<2	<10	120	0.5	<2	0.96	<0.5	13	38	104	3.24	10
G0557121		3.87	0.2	1.59	<2	<10	90	<0.5	<2	1.03	<0.5	10	35	78	3.40	10
G0557122		3.88	<0.2	2.08	<2	<10	100	0.7	<2	1.46	<0.5	19	133	91	3.60	10

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CERTIFICATE OF ANALYSIS WH10082498

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
G0557087		<1	0.11	<10	1.23	402	<1	0.05	1	290	4	0.19	<2	3	6	<20
G0557088		<1	0.09	<10	1.08	460	<1	0.06	<1	330	3	0.03	<2	4	6	<20
G0557089		<1	0.09	<10	0.95	596	1	0.06	<1	440	4	0.11	<2	4	13	<20
G0557090		<1	0.12	<10	0.89	626	1	0.08	<1	520	4	0.18	<2	3	22	<20
G0557091		<1	0.08	<10	0.58	384	<1	0.07	<1	150	3	0.01	<2	3	6	<20
G0557092		<1	0.18	10	2.48	943	1	0.03	36	630	12	0.91	3	8	45	<20
G0557093		<1	0.27	10	1.16	769	1	0.01	38	430	7	0.91	2	3	30	<20
G0557094		<1	0.85	10	1.22	1040	2	0.02	30	800	7	0.93	<2	5	137	<20
G0557095		2	0.16	<10	0.85	1630	21	0.08	23	440	9870	2.39	389	4	31	<20
G0557096		<1	0.45	10	0.86	1035	1	0.02	40	610	23	0.53	2	3	107	<20
G0557097		<1	0.30	10	1.57	1155	1	0.01	43	620	10	0.63	2	3	55	<20
G0557098		<1	0.53	10	1.58	1435	1	0.01	35	630	13	0.42	2	4	68	<20
G0557099		<1	0.71	10	1.47	841	<1	0.01	30	470	13	0.94	<2	4	86	<20
G0557100		<1	0.91	20	1.55	986	<1	0.02	25	700	9	0.65	<2	6	80	<20
G0557101		<1	0.80	10	1.81	391	<1	0.04	30	570	8	1.16	<2	9	41	<20
G0557102		<1	0.02	<10	12.95	199	<1	0.01	1	280	4	<0.01	<2	<1	42	<20
G0557103		<1	0.43	20	1.22	265	<1	0.05	28	500	3	1.04	<2	6	34	<20
G0557104		<1	0.43	10	2.07	1200	<1	0.01	74	980	7	0.68	<2	6	57	<20
G0557105		<1	0.09	<10	9.92	1880	<1	0.01	22	640	6	<0.01	<2	3	293	<20
G0557106		<1	0.65	10	2.14	964	1	0.02	43	710	5	0.48	<2	9	80	<20
G0557107		<1	0.37	10	2.18	972	1	0.03	61	1120	7	0.48	<2	9	84	<20
G0557108		<1	0.37	<10	1.40	438	15	0.04	27	120	251	>10.0	5	4	8	<20
G0557109		<1	0.28	10	2.03	1160	1	0.02	68	1060	7	0.47	2	5	102	<20
G0557110		<1	0.25	10	1.08	1300	2	0.01	36	1000	7	1.15	5	4	127	<20
G0557111		<1	0.30	10	1.18	750	1	0.02	28	760	5	0.34	2	5	54	<20
G0557112		<1	0.19	10	1.70	605	1	0.01	37	740	4	0.36	<2	4	43	<20
G0557113		<1	0.18	10	0.86	405	1	0.01	37	450	5	0.11	<2	3	9	<20
G0557114		<1	0.29	<10	1.20	400	1	0.03	38	710	2	0.32	<2	2	17	<20
G0557115		<1	0.02	<10	12.40	182	<1	0.01	<1	250	2	<0.01	<2	<1	44	<20
G0557116		<1	0.26	10	1.24	382	1	0.02	35	490	4	0.20	<2	2	15	<20
G0557117		<1	0.18	10	1.11	487	1	0.01	39	390	5	0.08	<2	3	10	<20
G0557118		<1	0.31	10	1.27	535	1	0.01	42	370	5	0.28	<2	3	13	<20
G0557119		<1	0.46	10	1.04	554	1	0.04	37	550	7	0.43	<2	3	23	<20
G0557120		<1	0.47	10	1.01	570	1	0.03	38	550	5	0.45	<2	3	29	<20
G0557121		<1	0.26	10	0.99	510	2	0.04	29	960	4	0.36	<2	3	27	<20
G0557122		<1	0.45	10	1.70	1110	3	0.02	90	1090	6	0.54	<2	5	35	<20

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2010
Account: F

Project: MOR

CERTIFICATE OF ANALYSIS WH10082498

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Zn-OG46 Zn % 0.001
G0557087		0.01	<10	<10	6	<10	38	
G0557088		0.02	<10	<10	1	<10	43	
G0557089		0.03	<10	<10	7	<10	58	
G0557090		0.06	<10	<10	14	<10	73	
G0557091		0.01	<10	<10	1	<10	67	
G0557092		0.03	<10	<10	51	<10	114	
G0557093		0.02	<10	<10	31	<10	109	
G0557094		0.08	<10	<10	39	<10	100	
G0557095		0.10	<10	<10	44	<10	4900	
G0557096		0.02	<10	<10	23	<10	76	
G0557097		0.01	<10	<10	31	<10	78	
G0557098		0.05	<10	<10	33	<10	61	
G0557099		0.06	<10	<10	31	<10	81	
G0557100		0.10	<10	<10	42	<10	62	
G0557101		0.13	<10	<10	70	<10	43	
G0557102		<0.01	<10	10	1	<10	12	
G0557103		0.11	<10	<10	44	<10	20	
G0557104		0.08	<10	<10	65	<10	67	
G0557105		0.01	<10	<10	21	<10	32	
G0557106		0.10	<10	<10	78	<10	67	
G0557107		0.07	<10	<10	92	<10	66	
G0557108		0.03	<10	<10	27	<10	>10000	1.290
G0557109		<0.01	<10	<10	16	<10	86	
G0557110		<0.01	<10	<10	13	<10	43	
G0557111		0.03	<10	<10	42	<10	61	
G0557112		0.05	<10	<10	57	<10	45	
G0557113		0.02	<10	<10	37	<10	40	
G0557114		0.13	<10	<10	59	<10	42	
G0557115		<0.01	<10	10	1	<10	13	
G0557116		0.11	<10	<10	48	<10	40	
G0557117		0.03	<10	<10	41	<10	40	
G0557118		0.08	<10	<10	51	<10	43	
G0557119		0.13	<10	<10	51	<10	43	
G0557120		0.13	<10	<10	51	<10	43	
G0557121		0.13	<10	<10	77	<10	47	
G0557122		0.13	<10	<10	65	<10	46	

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2010
Account: F

CERTIFICATE WH10089646

Project: MOR

P.O. No.:

This report is for 6 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER	BILL WENGZYNOWSKI	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 14-JUL-2010
Account: F

Project: MOR

CERTIFICATE OF ANALYSIS WH10089646

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
G0557123		5.63	<0.2	2.03	<2	<10	30	<0.5	<2	3.57	<0.5	18	181	47	2.68	<10
G0557124		4.77	<0.2	2.08	<2	<10	30	<0.5	<2	2.25	<0.5	20	94	54	3.79	10
G0557125		5.33	<0.2	2.52	<2	<10	100	<0.5	<2	1.39	<0.5	25	135	24	4.54	10
G0557126		4.50	<0.2	2.40	<2	<10	50	<0.5	<2	4.05	<0.5	21	97	27	3.40	<10
G0557127		5.40	<0.2	2.78	<2	<10	40	<0.5	<2	2.41	<0.5	25	179	2	3.68	10
G0557128		0.31	>100	1.22	247	<10	70	<0.5	<2	0.59	23.4	11	29	6150	5.22	<10

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Finalized Date: 14-JUL-2010
Account: F

Project: MOR

CERTIFICATE OF ANALYSIS WH10089646

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
G0557123		<1	0.25	10	2.03	633	1	0.05	92	1070	<2	0.17	<2	4	72	<20
G0557124		<1	0.19	<10	1.52	755	2	0.06	56	1500	<2	0.37	<2	3	52	<20
G0557125		<1	0.67	<10	1.69	337	<1	0.13	112	1230	<2	0.26	<2	5	26	<20
G0557126		<1	0.36	<10	2.10	557	1	0.08	72	1070	<2	0.16	<2	3	56	<20
G0557127		<1	0.31	<10	2.72	455	<1	0.08	114	810	<2	0.01	<2	3	27	<20
G0557128		1	0.09	<10	0.74	1570	18	0.07	22	430	9630	2.27	393	3	26	<20

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Finalized Date: 14-JUL-2010
Account: F

Project: MOR

CERTIFICATE OF ANALYSIS WH10089646

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46
	Analyte	Ti	Tl	U	V	W	Zn	Ag
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2	1
G0557123		0.18	<10	<10	59	<10	31	
G0557124		0.20	<10	<10	79	<10	43	
G0557125		0.27	<10	<10	73	<10	52	
G0557126		0.21	<10	<10	61	<10	42	
G0557127		0.25	<10	<10	61	<10	45	
G0557128		0.08	<10	<10	39	<10	4960	98

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
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CERTIFICATE WH10094084

Project: MOR

P.O. No.:

This report is for 2 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER	BILL WENGZYNOWSKI	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
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Finalized Date: 18-JUL-2010
Account: F

Project: MOR

CERTIFICATE OF ANALYSIS WH10094084

Sample Description	Method Analyte Units LOR	Au-AA24 Au ppm 0.005
G0557095		0.272
G0557108		1.990

QL26590

095427

Statement of Expenditures
Mor 1-290 Mineral Claims
April 29, 2011

Labour

K. Larson (field assistant) June 2010 – 19 days @ $480/day	$ 10,214.40

Expenses

Field room and board – 80 mandays @ $125/manday	11,200.00
Top Rank Diamond Drilling	72,906.70
Oceanview Helicopters	35,487.48
ALS Chemex	1,821.25
	121,415.53
Total	$131,629.93

Drilled two holes on YB91628 (Mor 7)