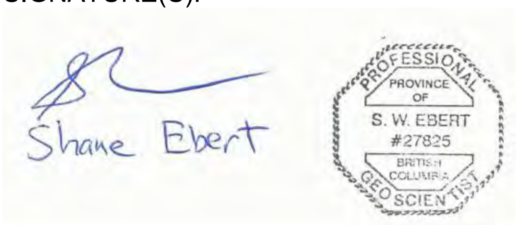
ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: 2014 Trenching at the Ches Cu-Zn-Mo-W property, Central British Columbia, Tetachuck Lake Map Area

TOTAL COST: $47,580.35

AUTHOR(S): Dr. Shane Ebert P.Geo.
SIGNATURE(S):



NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): Permit MX-1-931, Approval 14-1650847-0708, April 23, 2014 to March 31, 2017.
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S):

YEAR OF WORK: 2014

PROPERTY NAME: Ches

CLAIM NAME(S) (on which work was done): 600320 and 1027636

COMMODITIES SOUGHT: Cu, Pb, Zn, Mo, W, Ag, Au

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: Exo (093F 017)

MINING DIVISION: Omineca Mining Division
NTS / BCGS: NTS 093F/05E
LATITUDE: 53 ° 24 ' 46.50 "
LONGITUDE: 125 ° 42 ' 33.03 " (at centre of work)
UTM Zone:10-U, NAD83 EASTING: UTM319945m E NORTHING: 5921625m N

OWNER(S): Kenneth Galambos

MAILING ADDRESS: 1535 Westall Avenue, Victoria, British Columbia, V8T 2G6

OPERATOR(S) [who paid for the work]: Northern Abitibi Mining Corp.

MAILING ADDRESS: Suite 800, 808 – 4th Avenue, S.W., Calgary, Alberta, T2P 3E8

REPORT KEYWORDS: Trenching, chip sampling, assay sampling, geologic mapping

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Dirom, G.E., and Knauer, J.D. (1971): Report on geochemical surveys on the Tetachuck Property, 94F/5E. For Noranda Exploration Company, Assessment Report 3173.

Fountain, D.K. (1972): Report on the Induced Polarization and Resistivity Survey on the Tetachuck Property. For Noranda Exploration Company, Assessment Report 3777. Keefe, R. (2000): Soil and Rock geochemistry of the Ches Mineral Claims, Omineca Mining Division, British Columbia, Assessment Report 26354.

Galambos, K. (2011): Ches Property Evaluation Report. Assessment Report 32256.

Leask, G.P. (1987a): Prospecting and geological report – Exo Claim Group, central British Columbia. Assessment Report 15129.

Leask, G.P. (1987b): Geophysical and Geochemical report on the Exo Claim Group, central British Columbia. Unpublished Report, Assessment Report 17679.

Ray, G. E. (2009): The CHES Cu-Mo-W property, Central British Columbia, Tetachuck Lake Map Area. Assessment Report 30575.

Richards, G.G. (1981): Geological – Geochemical report. Q.P. #1 -#3 Mineral Claims, Tetachuck Lake, Fraser Plateau, NTS 93F/5E. Assessment Report 9580.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)		600320 1027636	2500
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil			
Silt			
Rock		600320 1027636	10,343.35
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)	7 trenches 868 m	600320 1027636	34,737.00
Underground development (metres)			
Other			
		TOTAL COST	47,580.35

2014 Trenching at the Ches Cu-Zn-Mo-W property, Central British Columbia, Tetachuck Lake Map Area

Omineca Mining Division

(NTS 093F/05E)
Canada

(UTM Zone 10-U 319945 E, 5921625 N)
NAD 83

Tenure numbers: 6006320, 1027636

An Assessment Report: Operator:

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1st February 2015

BC Geological Survey
Assessment Report
35268

Table of Contents

List of Figures

List of Tables

1.0 Summary

The Ches property is comprised of 2 contiguous mineral claims with a total area of 2389.98ha, situated in the Omineca Mining Division, in the Tetachuck Lake map area (NTS 93F/05E) of central British Columbia (UTM Zone 10-U, UTM 319945 E, 5921625 N, NAD 83). The property lies approximately 80km south of Burns Lake and is accessible via an all-weather paved highway south from Burns Lake to Ootsa Lake crossing Francois Lake using the Francois Lake ferry. A private barge operated by the Cheslatta Carrier First Nation can be used to access the Ches Property on the network of logging roads on the south side of Ootsa Lake. The Ches showing was discovered following the construction of the Tetachuck Main logging road in 1985. The showing consists of pyrrhotite-scheelite replacement style mineralization in calcareous sediments and a quartz chalcopyrite-molybdenite-scheelite stockwork zone in fine grained siltstones. Historic grades of the main showing average 0.26% WO3 over 22m with high grade zones of 0.56% WO3 and 0.45% Cu over 2m. The stockwork zone is reported to average 0.62% Cu, 0.07% WO3, 0.06% MoS2 and 5.14g/t Ag/350m in the original discovery report (ARIS 15129) and 0.52% Cu, 0.07% WO3, 0.008% MoS2 and 5.14g/t Ag/350m in a follow up report (ARIS 17679). Geophysical and soil geochemical surveys identified anomalies up to 350m wide and at least 800m and possibly 1500m long and open along strike.

In 2014 Northern Abitibi Mining Corp. optioned the property and in September and October conducted a trenching, surface sampling, and mapping program to better assess the historic mineralized zones. Seven trenches were completed within a 1.5 by 0.5 km area and 274 surface rock samples were collected and assayed. Trenches and available surface exposures were mapped and sampled, and the existing Exo road quarry exposure was chip sampled. Parts of the property contain shallow till cover and are amenable to bedrock exposure by trenching, whereas parts contain thick till cover and bedrock could not be reached. Trenching has exposed minor limestone and marble beds along with fine grained bedded clastic sedimentary rocks and intrusive rocks, with select beds containing garnet, pyroxene, or actinolite skarn with sulfides. Stockwork quartz-sulfide veinlets are exposed in trenches in select areas, along with sulfide veinlets containing pyrite-pyrrhotite-chalcopyrite-sphalerite.

A 1.5 metre chip sample from the Exo road quarry returned 1.25% zinc, 0.16% copper, 0.12% tungsten trioxide (WO_3), and 2.6 g/t silver. Trenching adjacent to the main access road returned chip samples grading 0.33% copper, 3.73 g/t silver and 0.03% WO_3 over 4.5 metres, including 0.61% copper, 7.4 g/t silver, and 0.05% WO_3 over 1.5 metres. In addition a 1.5 metre chip sample from the eastern side of the property returned 38.1 g/t silver and 0.1% zinc from altered granitic intrusive rock. A grab sample located several hundred metres southwest of previously documented mineralization returned 0.33% copper, 0.1% WO_3, 0.21% zinc, and 5.2 g/t silver, showing the system remains open for exploration.

2.0 Introduction and Terms of Reference

Geologic mapping and project supervision of the 2014 exploration program was conducted by Dr. Shane Ebert P.Geo. for Northern Abitibi Mining Corp. The Cheslatta Carrier Nation provided the excavator operator Isaac Petca, and general laborer Michael

Charlie who assisted with rock chip sampling and trench washing. The Cheslatta Carrier Nation also proved barge service at the East Ootsa Barge crossing and assisted with mobilization and demobilization of the excavator. The Excavator was contracted from Beach Marine Inc. Ralph Keefe and Brian Keefe also spent 1.5 days on the project assisting with trench sampling and re-establishing historic soil grids.

All costs contained in this report are denominated in Canadian dollars. Distances are reported in meters (m) and kilometers (km). GPS refers to global positioning system. Minfile showing refers to documented mineral occurrences on file with the British Columbia Geological Survey. The term ppm refers to parts per million, equivalent to grams per metric tonne (g/t), and ppb refers to parts per billion. The symbol % refers to weight percent unless otherwise stated. 1% is equivalent to 10,000ppm. Elemental and mineral abbreviations used in this report include: arsenic (As), gold (Au), lead (Pb), molybdenum (Mo), silver (Ag), tungsten (W); chalcopyrite (Cpy), galena (PbS), molybdenite (MoS_2) and pyrrhotite (Po), pyrite (Py). Tungsten trioxide is abbreviated as WO_3 and has been obtained by multiplying W assays by a factor of 1.26.

Sources of information for this report have been obtained from publically available databases including BC Government assessment reports obtained from http://www.empr.gov.bc.ca/Mining/Geoscience/ARIS/Pages/default.aspx, the Minfile database at http://www.empr.gov.bc.ca/Mining/Geoscience/MINFILE/Pages/default.aspx, mineral titles online at https://www.mtonline.gov.bc.ca/mtov/home.do and the MapPlace at http://www.empr.gov.bc.ca/Mining/Geoscience/MapPlace/MainMaps/Pages/default.asp. Information from published scientific papers on the geology of relevant mineral deposits has also been used. Significant portions of sections 1 to 8 of this report have been taken from previous reports cited in the Reference list.

3.0 Property Description, Location, and Access

3.1 Location and Access

The Ches property is comprised of 2 contiguous mineral claims with a total area of 2389.98 ha, situated in the Omineca Mining Division, in the Tetachuck Lake map area (NTS 93F/05E) of central British Columbia (UTM Zone 10-U, UTM 319945 E, 5921625 N, NAD 83). The property lies approximately 80km south of Burns Lake and is accessible via an all-weather paved highway south from Burns Lake to Ootsa Lake crossing Francois Lake using the Francois Lake ferry. A private barge operated by the Cheslatta Carrier Nation can be used to access the network of logging roads south of Ootsa Lake and the Ches property.

Figure 1. Location of the Ches Property

3.2 Physiography and Vegetation

The CHES property ranges between 900 and 1400 meters in height above sea level and topographically comprises low, hummocky, rolling hills interspersed with muskeg. The vegetation includes jack pine, balsam and spruce forest, although extensive areas have been clear-cut and re-planted with pine and spruce. The annual precipitation is approximately 60 centimeters; in winter the temperatures can fall below -20 degrees

Celsius and up to 1 meter of snow can accumulate. Summers are generally cool and wet, although in July, August and September there can be dry periods with temperatures exceeding 20 degrees Celsius.

3.3 Land Tenure

The Ches property is comprised of 2 contiguous mineral claims with a total area of 2389.98 ha. Upon acceptance of this report, the claims will have their Good To Dates extended.

Table 1. Claim Data

Tenure Number	Claim Name	Registered Owner	Issue Date	Good To Date	Area (ha)
600320	Exo 1	Kenneth Galambos	March 4, 2009	April 20 2016	462.56
1027636	Ches	Northern Abitibi	April 17, 2014	April 17, 2015	1927.42

In April 2014 Northern Abitibi Mining Corp. entered into an option agreement with property vendors Ken Galambos, Shawn Turford, and Ralph Keefe to earn a 100% interest in the Ches property. Under the terms of the option agreement Northern Abitibi can earn a 100% interest in the Ches Property by making staged cash and share payments over 4 years totaling $50,000 cash and 1.6 million shares, and spending a total of $500,000 on exploration. Upon signing Northern Abitibi issued 350,000 Northern Abitibi shares, and committed to spend $50,000 on exploration within the first year. The Vendors will retain a 2% net smelter royalty, three quarters of which can be bought back by Northern Abitibi for $2 million dollars.

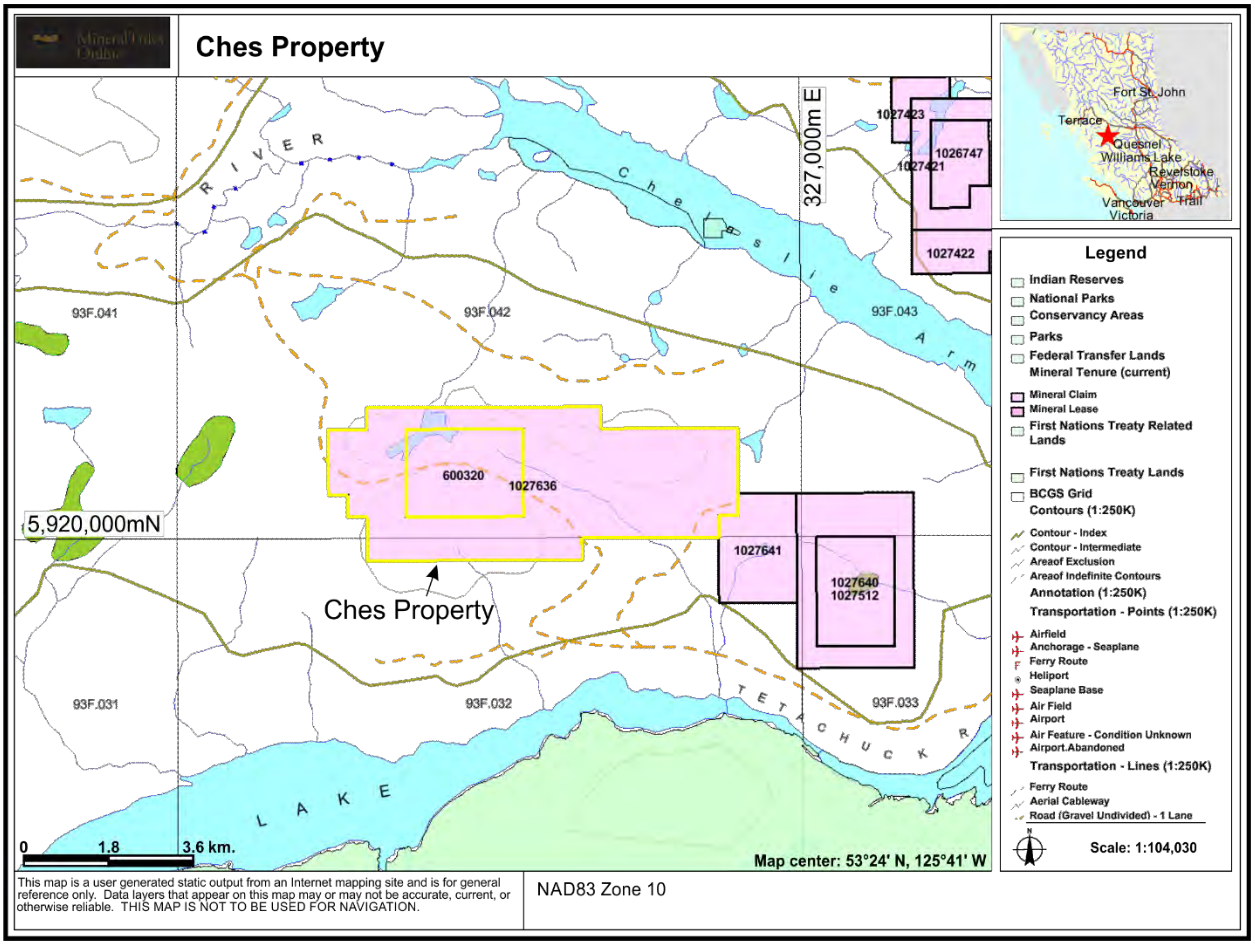

Figure 2. Claim location map, Ches Property.

4.0 History

The earliest known exploration in the district occurred in the early 1970's with trenching and the drilling of at least seven short (<200 feet or 61 meters) diamond drill holes at the Tet Cu-Mo showing about 9 km south east of Ches. It is not certain what company did this work, although indirect evidence via Richards (1981) suggests that Noranda Exploration Company performed the drilling. In 1972 Noranda also completed a geophysical reconnaissance program of induced polarization and resistivity surveys over the Godot Cu-Mo showing about 4 km east of Ches (Fountain, 1972). Further exploration in this area took place a decade later, with a soil-sampling program conducted by Colossal Energy Inc. (Keyser, 1984). In 1980, JMT Services and Prism Resources Ltd conducted a small program of soil and rock chip sampling at the Tet Cu-Mo showing, as well as some 1:6000 scale geological mapping (Richards, 1981). During this program the old drill-pads and trenches from the (presumed) Noranda work were discovered, as well as some of the old drill-core. Richards (1981) reports that sixty-three rock-chip samples, twelve soil samples and some silt samples were collected. In addition, pyritic Cu-Mo mineralization hosted by hornfels, quartz diorite and aplite was discovered in float and outcrop. One hornfels sample assayed 16 parts per million (ppm) molybdenum (Mo), and soils in the vicinity of an aplite body contained between 22 to 88 ppm Mo.

The first known exploration at the Exo Cu-Mo-W skarn-stockwork prospect took place after Esso Minerals Ltd staked the ground in response to high copper-zinc values in lake sediment samples (Leask, 1987a and 1987b). Follow-up work by Esso included 15 kilometers of cut line with soil sampling and magnetometer and VLF-EM geophysical surveys. In 1985, logging road construction uncovered several new mineralized skarn and stockwork zones at the Exo prospect that were then staked (Leask, 1987b). Prospecting and 1:10 000 scale geological mapping in 1986 discovered more skarn outcrops. In 1987, 26 kilometers of grid-line were cut. Magnetometer and VLF-EM readings and soil samples were taken at 25 meters along the cut-lines. A total of 848 soil samples were collected. The range of soil assays were as follows: 7 ppm to 512 ppm for Cu, 1 ppm to 39 ppm for Mo, 1 ppm to 124 ppm for W, 33 ppm to 4306 ppm for Zn, 0.1ppm to 2.4 ppm for Ag, 1 ppb to 310 ppb for Au. The geological mapping outlined a hornfels-skarn envelope, at least 1 kilometer wide, adjacent to the western margin of the Tetachuck North Stock. Within this envelope, a wide Mo-Cu skarn and stockwork zone was discovered that averaged 0.52% Cu, 0.07% tungsten oxide (WO_3), 0.008% molybdenite (MoS_2), and 0.15 oz/ton Ag over a distance of 350 meters (Leask, 1987b). Keefe (2000) conducted exploration on the property in the vicinity of the Exo Cu-W skarn-stockwork zone. This work involved the collection of 18 bedrock samples, 1 silt sample and 39 soil samples. In 2008 Scarlet Resources collected 20 grab or rock-chip samples. Ten of these were taken from the Exo skarn road quarry where sulfide-rich garnet skarn is exposed. Another eight samples were collected nearby along the logging road that passed over the wide Mo-Cu-bearing quartz stockwork zone. The remaining two grab samples were taken from another smaller roadside quarry located at UTM 317152E, 5922541N. Fourteen of the samples contained > 2000 ppm Cu (maximum 10500 ppm), and ten samples assayed > 598 ppm W (maximum 3031 ppm). In addition, there were sporadic anomalous values in Mo (maximum 219 ppm), Zn (maximum 1862 ppm), and Ag (maximum 16 ppm). There were also sporadic enhanced values in Co (up to 155 ppm), Mn (up to 7343 ppm), Bi (up to 16 ppm) and Se (up to 43 ppm). Assays in Au and As were very low (maximum 0.02 g/t Au and 9 ppm As).

5.0 Geological Setting

5.1 Regional Geology

Geologically, the region lies in the Stikine Terrane (Stikinia) that began amalgamation and convergence with the other terranes of the Intermontane Belt during the Triassic period. Rocks in the Tetachuck Lake map area are separable into four stratified units that range in age from Early Jurassic to the Miocene, as well as four intrusive suites of Jurassic to Eocene age. The four stratified units are the Early to Middle Jurassic Hazelton Group, the Eocene Ootsa Lake and Endako groups and Miocene basaltic flow cover rocks. The Hazelton Group rocks are economically important in British Columbia because they host many mineral occurrences and deposits, including the deposit worked at the Eskay Creek Mine. Other important deposits hosted by the group include Core Mountain and Chikamin Mountain in the Chikamin Mountain (93E/06) map area, and the Premier, Kerr and Inel deposits in the Iskut River map area.

The Hazelton Group comprises arc-volcanics and related sediments formed in response to subduction of the Wrangellia and/or Cache Creek terranes under Stikinia during Early and Middle Jurassic times (Gabrielse, 1991; Marsden and Thorkelson, 1992). It ranges in age from late Early Jurassic to early Middle Jurassic and the succession consists of sub-aerial and submarine volcanic rocks interbedded with marine sediments. The group is divided into two formations, the older Entiako and the younger Naglico (Diakow et al., 1997; Quat and Struik (1999), and the contact between these units is mostly para-conformable. The two formations represent a silica-bimodal volcanic and sedimentary succession deposited in an arc-back-arc complex of the Stikine Terrane (Quat and Struik, 1999). Volcanic-sedimentary rocks of the Naglico Formation mostly occupy the CHES property. Regionally, the Hazelton Group is overlain by Eocene Ootsa Lake Group rhyolites, Endako Group basalts and Miocene age basalts.

In the Tetachuck Lake map area Struik et al. (1999) sub-divides the Naglico Formation into the following three lithologic units:

1. Unit 1: a feldspar-phyric andesite flow and lapilli tuff.
2. Unit 2: andesite agglomerate and breccia.
3. Unit 3: a sedimentary sequence containing sandstone interbedded with limey ash tuff and limestone with zones of densely packed gastropod and clam shell debris.

The Naglico Formation in the Tetachuck Lake map area correlates with the Smithers Formation in the Whitesail Reach map area and the Salmon River Formation in the Iskut River-Telegraph Creek map areas (Struik et al., 1999). Small intrusive stocks and plugs are scattered throughout the district where they intrude the Hazelton Group rocks; Billesberger et al. (1999) describe some of these bodies. They represent at least three plutonic suites of Jurassic, Late Cretaceous and Eocene age (Friedman et al., 2000). They have a wide range of compositions and include diorite, granodiorite, alaskite, aplite, monzonite and granite. Many are fine to medium-grained, equigranular to moderately porphyritic, and contain biotite and hornblende. Some are slightly foliated and they may be cut by andesite and rhyolite dykes. Several of these small intrusive bodies occur on, and nearby, the CHES property, and some are spatially associated with Cu mineralization as present at the Exo prospect and Tet showing.

The Eocene Ootsa Lake Group includes rhyolites that are characterized by light coloured flows; in the Tetachuck Lake area these are sometimes banded but are more usually massive. The rhyolites contain phenocrysts of quartz, plagioclase and minor biotite. The Eocene-age Endako Group basalt is found in small patches throughout the district. It forms massive, dark aphanitic flows with a few phenocrysts of pyroxene and trace olivine. The Miocene basalt forms the youngest rocks in the district. The flows are dark grey to black, flat-lying and locally contain mantle xenoliths up to 10 cm in diameter. The xenoliths comprise crystals of olivine, pyroxene, diopside and augite within a massive aphanitic groundmass. This basalt correlates with the Chilcotin Group of south-central British Columbia (Struik et al., 1999).

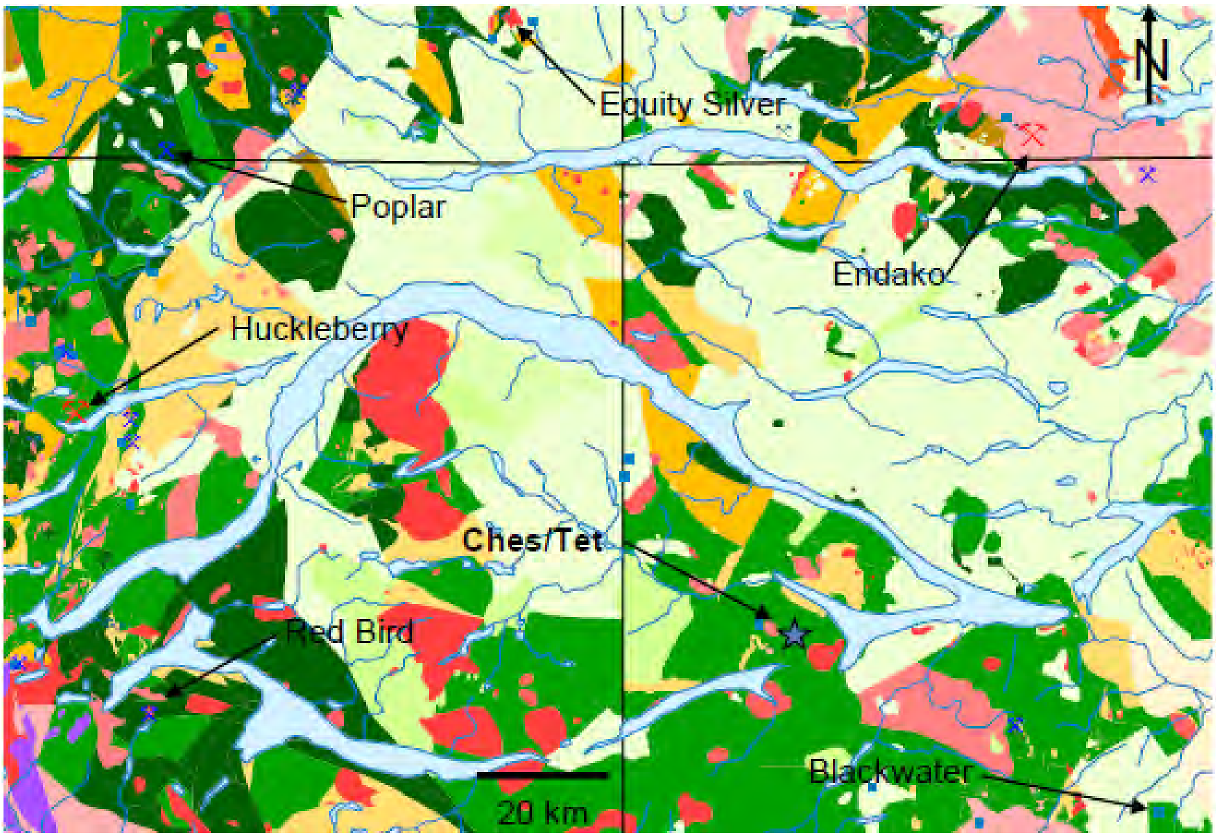

Figure 3. Regional Geology Map

5.2 Property Geology

The CHES property is mostly underlain by a folded sedimentary and volcanic sequence belonging to the Middle Jurassic, arc-related Naglico Formation; this formation forms part of the Hazelton Group. These rocks are intruded by several small stocks and plugs that were emplaced during Jurassic, Late Cretaceous and Eocene magmatic events. The Cretaceous event resulted in the Tetachuck North Stock, which lies in the western part of the property. This body is probably genetically related to the Exo polymetallic Cu-Mo-W skarn (BC Minfile 093F 017). It yielded a U-Pb zircon age of 76 to 79 Ma, suggesting it is part of the metallogenically important Bulkley plutonic suite (Friedman et al., 2000). Another somewhat larger granodiorite-alaskite body, previously termed the "Tet Stock", lies in the eastern part of the property. It is believed to be either Eocene or Cretaceous in age and appears to host the Tet Cu-Mo showing (BC Minfile 093F 002).

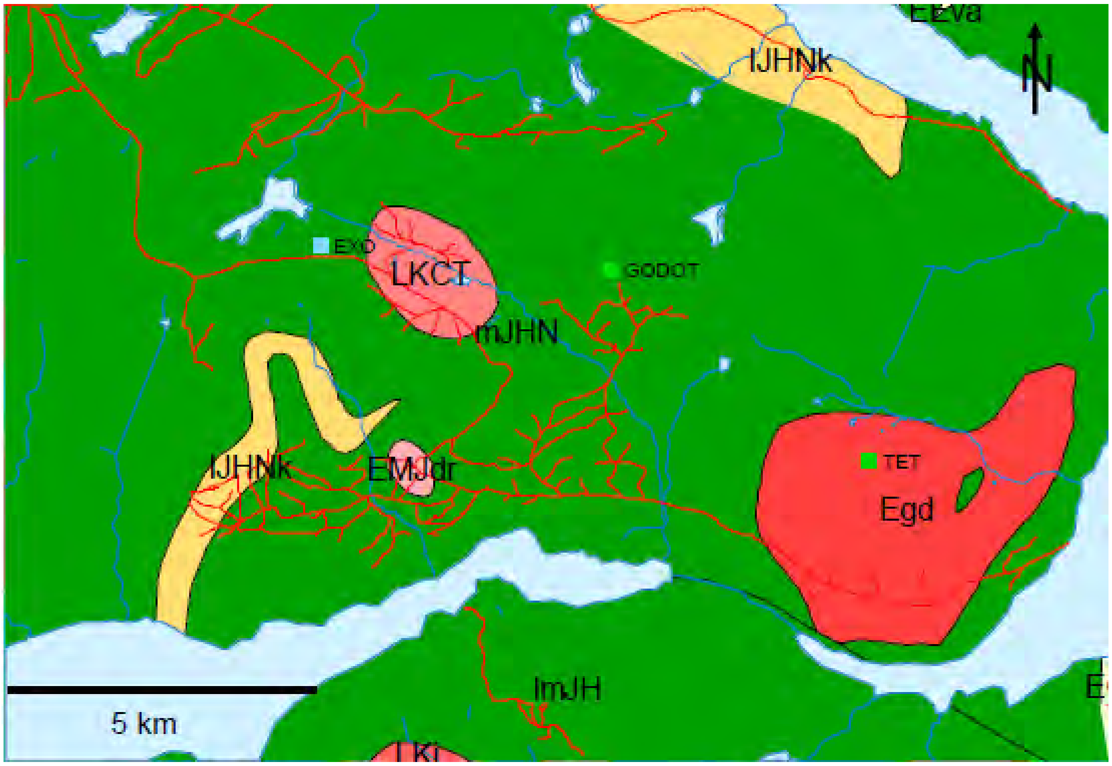

Figure 4. Property Geology Map

Table 2. Geology Legend

Geology Legend

Bounding Box: *North: 53.452 South: 53.334 West: -125.808 East: -125.488*
NTS Mapsheet: 093F

Eocene to Oligocene	
Nechako Plateau Group	
EO	**Ootsa Lake Formation: rhyolite, felsic volcanic rocks**
Eocene	
Egd	**granodioritic intrusive rocks**
EEva	**Endako Formation: andesitic volcanic rocks**
Late Cretaceous to Pliocene	
LKi	**intrusive rocks, undivided**
Late Cretaceous	
Chelaslie River-Tetachuck Lake Plutonic Suite	
LKCT	**dioritic intrusive rocks**
Middle Jurassic	
Hazelton Group	
mJHNs	**Naglico Formation: undivided sedimentary rocks**
mJHN	**Naglico Formation: undivided volcanic rocks**
Early to Middle Jurassic	
EMJdr	**dioritic intrusive rocks**
lmJH	**undivided volcanic rocks**
Early Jurassic	
lJHNk	**Nechako Formation: marine sedimentary and volcanic rocks**

Ministry of Energy and Mines
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5.2.1 Naglico Formation (Hazelton Group)

Struik et al. (1999) note that the Naglico Formation in the CHES property area records a subaerial volcanic explosive and eruptive event that was associated with marine sedimentation. These workers identified three units in the formation, all of which are believed to be present in the CHES property area. They are as follows:
Unit 1: feldspar-phyric andesite flows and tuffs, which are found in the Chelaslie River and Tetachuck Lake areas. The flow rocks are generally maroon to dark grey and contain plagioclase phenocrysts, acicular hornblende, and minor pyroxene phenocrysts. The lapilli tuff contains fragments of the flow unit in a groundmass of the same composition.
Unit 2: andesite agglomerate and breccia that is found at the Chelaslie-Main and Chelaslie River areas. It occurs stratigraphically under Unit 1 rocks in this area.
Unit 3: this is found on the CHES property, although differences between the sedimentary rocks in Chelaslie-Main and Chelaslie River areas suggest a facies change across the district (Struik et al., 1999). Unit 3 includes fossiliferous limestone and mudstone with interbedded sandstone and limey ash tuff. The mudstone is dark grey, weathers brown and its bedding is interrupted by local bioturbation. The limey sandstone package is cream to yellow and has interbeds, up to 45 cm thick, of limey ash. It is overlain with angular unconformity by Ootsa Lake Group rhyolite. Unit 3 calcareous siltstones and mudstones are believed to host the Exo skarn stockwork mineralization.

5.2.2 Intrusive Rocks

At least two intrusive stocks are known to be present on the CHES property, and both are associated with copper mineralization. The oldest and smallest of these, the Tetachuck North Stock, lies in the western part of the property and has been described by Billesberger et al., (1999) and Friedman et al. (2000). This economically important intrusion is sub-circular and covers a 3.5 km^2 area. It consists of a pale, medium-grained quartz monzodiorite that contains hornblende, biotite, plagioclase, K-feldspar, and lesser titanite, apatite and zircon. U-Pb dating by Friedman et al. (2000) on zircons and titanite fractions gave ages ranging between 76.6 and 79.3 Ma (Late Cretaceous) for the Tetachuk North Pluton. The wide hornfels envelope on the western margin of the pluton hosts the Exo polymetallic Cu-Mo-W skarn (BC Minfile 093F 017). The other larger pluton, the Tet Stock, underlies part of the eastern portion of the CHES property. It consists of a medium to coarse-grained biotite-hornblende granodiorite and alaskite and is possibly Cretaceous or Eocene in age. The alaskite phase appears to host Cu-Mo mineralization (Richards, 1981), encountered by past drilling at the Tet showing (BC Minfile 093F 002).

5.2.3 Structures on the Property

The structural history of the CHES property area and its relationship to the hydrothermal alteration and copper mineralization present in the Exo, Godot and Tet areas are poorly understood. Mapping by Leask (1987a) in the area around the Exo skarn prospect shows that the bedded fine-grained sedimentary rocks were folded and now strike north-northeast to northeast with a steep northwesterly dip. This trend is seen in the Exo road quarry where the layeredbedded hornfels rocks show evidence of open folding. The emplacement of the Late Cretaceous Tetachuck North Stock possibly post-dates the folding event. Leask (1987a) believed that the western margin of the stock dipped westerly, sub-parallel to, or at a shallower angle to the bedded hornfels. His work also indicates the presence of late brittle faulting with at least three different trends. The most common strikes northeast and dips westerly, sub-parallel to the bedding. Another set trends north-south while a third set strikes east-southeast. At least two faults belonging to the east-southeast set are present in the Exo skarn area. The most southerly of these, as postulated by Leask (1987a), may cut and displace the southern margin of the Tetachuck North Stock. The other presumed parallel structure further north passes under the north end of Gunn Lake, and continues east-southeast under a linear zone of muskeg and creek. This latter structure may cut the northern margin of the Tetachuck North Stock.

6.0 Deposit Models

The Ches/Tet property contains at least two types of copper-bearing mineralization, namely (1) Cu-dominant polymetallic Cu-Mo-W skarn, as seen at the Exo prospect (093F 017), and (2) Cu-Mo porphyry mineralization, as present at the Tet (093F 002) and Godot (093F 035) occurrences. The main exploration model at each of the showings would be the Cu-Mo porphyry target.

6.1 Porphyry copper/molybdenum

The porphyry Copper/Molybdenum target is the main deposit type thought to be responsible for mineralization at each of the known showings on the Ches/Tet property. Panteleyev, (1995) describes the Porphyry Cu+/-Mo+/-Au model in Selected British Columbia Mineral Deposit Profiles, Volume 1 - Metallics and Coal, Open File 1995-20, pages 87-92 as a Calcalkaline porphyry Cu, Cu-Mo, Cu-Au deposit type. Classic British Columbia examples include: Brenda (092HNE047), Berg (093E 046), Huckleberry (093E 037) and Schaft Creek (104G 015); while others include Casino (Yukon, Canada), Inspiration, Morenci, Ray, Sierrita-Experanza, Twin Buttes, Kalamazoo and Santa Rita (Arizona, USA), Bingham (Utah, USA),El Salvador, (Chile), Bajo de la Alumbrera (Argentina). Host intrusions vary from coarse-grained phaneritic to porphyritic stocks, batholiths and dike swarms, with compositions that range from quartz diorite to granodiorite and quartz monzonite. There are commonly multiple emplacements of intrusive phases and a wide variety of breccias that modify the stock geometry. The deposits usually exhibit a lateral outward zoning of alteration and sulphide minerals from a potassic (K-feldspar and biotite) altered core through phyllic (quartz-sericite-pyrite) alteration to propylitic (chlorite-epidote-calcite). Less commonly argillic and in the uppermost parts of some ore deposits, advanced argillic (kaolinite-pyrophyllite) alteration occur. Characteristics of this deposit type have large zones, up to 10 km² in size, of hydrothermally altered rock containing stockworks of quartz veins and veinlets, closely spaced fractures and breccia zones containing pyrite and chalcopyrite +/- molybdenite, bornite and magnetite. Disseminated sulphide minerals are present but in minor amounts. Deposit boundaries are determined by economic factors that outline ore zones within larger areas of low-grade, concentrically zoned mineralization.

Ore controls include igneous contacts with the surrounding wallrocks and internal contacts between intrusive phases; cupolas and the uppermost, bifurcating parts of stocks, dike swarms, early formed intrusive breccias and hydrothermal breccias. Ore minerals are chalcopyrite; molybdenite, lesser bornite and rare (primary) chalcocite. Subordinate minerals are tetrahedrite/tennantite, enargite and minor gold, electrum and arsenopyrite. In many deposits late veins commonly contain galena and sphalerite in a gangue of quartz, calcite and barite. Two main periods of deposit formation occurred in the Canadian Cordillera during the Triassic/Jurassic (210-180 Ma) and Cretaceous/Tertiary (85-45 Ma). Elsewhere deposits are mainly Tertiary, but range from Archean to Quaternary. British Columbia porphyry Cu/Mo ± Au deposits range from <50 to >900 Mt with 0.2 to 0.5% Cu, 0.0 to 0.04% Mo, <0.1 to 0.6 g/t Au, and 1 to 3 g/t Ag. Median values for 40 B.C. deposits with reported reserves are: 115 Mt with 0.37 % Cu, 0.01 % Mo, 0.3g /t Au and 1.3 g/t Ag. Porphyry deposits contain the largest reserves of Cu, significant Mo resources and close to 50% of Au reserves in British Columbia.

6.2 Cu-dominant skarn deposits

Worldwide, Copper skarns are important primary producers of Cu with some byproduct production of Au, Ag, Mo, W, and (rarely) magnetite. Examples in British Columbia are the Craigmont (BC Minfile 092ISE 035), Phoenix (082ESE 020), Old Sport (092L 035) and Queen Victoria (082FSW 082) deposits. Examples elsewhere include the Mines Gaspé deposits (Québec), Ruth, Mason Valley and Copper Canyon (Nevada, USA), Carr Fork (Utah, USA), Ok Tedi (Papua New Guinea) and Rosita in Nicaragua. Worldwide they average 1 to 2 % copper and range in tonnage from 1 to 100 Mt, although some exceptional deposits exceed 300 Mt. The Craigmont deposit is British Columbia's largest Cu skarn; it contained approximately 34 Mt grading 1.3 % Cu. These deposits are characterized by Cu-dominant mineralization (generally chalcopyrite) genetically associated with a garnet-pyroxene-dominant skarn gangue. They are most commonly developed where Andean-type plutons intrude older continental-margin carbonate sequences. To a lesser extent (but important in British Columbia), they can be associated with oceanic island arc plutonism. Worldwide they are mainly Mesozoic, although they may be any age. In British Columbia they are mostly Early to Mid-Jurassic in age. The associated host rocks include porphyritic stocks, dikes and breccia pipes of quartz diorite, granodiorite, monzo-granite and tonalite composition, that intrude carbonate rocks, calcareous siltstones or calcareous volcanics and tuffs. Copper skarns in oceanic island arcs tend to be associated with more mafic intrusions (quartz diorite to granodiorite), while those formed in continental margin environments are associated with more felsic material. The morphology of the deposits can be highly varied, including stratiform and tabular orebodies, vertical pipes, narrow lenses, and irregular ore zones that were controlled by intrusive contacts. The skarn alteration often overprints the related intrusion (called endoskarn) as well as the adjacent country rocks (called exoskarn). Worldwide, virtually all economic skarn deposits are hosted by exoskarn. The exoskarn mineralogies include abundant garnet and lesser clinopyroxene. The garnet tends to be andradite, being high in Fe, and low in Al and Mn. The pyroxene is diopsidic. A mineral zoning from the stock out to the marble is commonly as follows: (1) andradite + diopside (proximal); (2) wollastonite ± tremolite ± garnet ± diopside ± vesuvianite (distal). Retrograde alteration to actinolite, chlorite and montmorillonite is common. Endoskarn alteration of the intrusion is marked by potassic alteration with K-feldspar, epidote and sericite ± pyroxene ± garnet. Retrograde alteration generates actinolite, chlorite and clay minerals. The principal ore mineralogies include chalcopyrite ± pyrite ± magnetite, commonly developed in an exoskarn garnet-pyroxene zone that generally lies proximal, or relatively close, to the related intrusive margin. A more distal zone close to the outlying carbonate country rocks is often dominated by bornite ± chalcopyrite ± sphalerite ± tennantite, together with wollastonite. Hematite, pyrrhotite or magnetite may predominate (depending on the oxidation state). Scheelite, molybdenite, bismuthinite, galena, cosalite, arsenopyrite, enargite, tennantite, loellingite, cobaltite and tetrahedrite may be present. The ore bodies tend to occur as irregular or tabular orebodies that form in carbonate rocks and/or calcareous volcanics or tuffs near igneous contacts. Pendants within igneous stocks can be important host rocks. Copper mineralization is present as stockwork veining and disseminations in both endo and exoskarn, although exoskarn generally hosts the more economic deposits. Magnetic, electromagnetic and IP surveys are useful tools to locate these deposits.

Copper skarns are often related to, and may occur in the same geological regime as copper porphyries. Copper skarn deposits related to mineralized Cu porphyry intrusions tend to be larger, lower grade, and emplaced at higher structural levels associated with barren stocks. Most copper skarns contain oxidized mineral assemblages, and mineral zoning is common in the skarn envelope. Those with reduced assemblages can be enriched in W, Mo, Bi, Zn, As and Au. One third of the 340 copper skarn occurrences in British Columbia lie in the Quesnellia and Stikinia terranes.

7.0 Mineralization

At least two type of mineralization exist on the Ches property. The best known is represented by the copper-dominant polymetallic skarn and stockwork system present at the Exo prospect (BC Minfile 093F 017). The stockwork target would be analogous to mineralization mined at the Huckleberry porphyry deposit with the host rock being a limy sediment rather than volcanics. The other type of mineralization present on the property is the intrusive-hosted Cu-Mo porphyrystyle mineralization as seen at the Tet and Godot showings (BC Minfile 093F 002 and 035) located further east.

7.1 Mineralization at the Exo Cu-Mo-W skarn (BC Minfile 093F 017)

The intrusion of the Tetachuck North Stock resulted in an extensive zone of thermal and hydrothermal alteration in the surrounding sedimentary country rocks. On the western margin of the stock this altered zone is at least 1 km wide; it is marked by green calc-silicate hornfels containing abundant silica-quartz, epidote and chlorite, with lesser amounts of purple-brown coloured biotite hornfels. These rocks are siliceous, fine-grained and vary from massive to layered; the layering represents remnant sedimentary bedding. Locally, the hornfels is overprinted by garnet-pyroxene-epidote skarn-alteration that is commonly quartz-rich and siliceous. At least two types of skarn-hornfels-hosted mineralization are seen at the Exo Cu-Mo-W prospect, namely: 1. Thin (< 1.5 m) units of massive and semi-massive sulphide that are mostly concordant with bedding. These contain abundant pyrite and magnetic pyrrhotite with lesser amounts of chalcopyrite.

Trace bornite, molybdenite and magnetite may also be present. 2. Quartz-pyrite stockwork veins are present, up to 0.6 cm thick, which contain variable amounts of pyrite, molybdenite, chalcopyrite and brown sphalerite. Blebs and masses of (apparently barren) coarsely crystalline pyrite are also spatially associated with the stockworks. Scheelite is reported at the Exo skarn (Leask,1987b). The **Type 1** massive to semi-massive sulphide mineralization is best seen in a 35-40 meter-long road-side open-cut that was excavated for road-building material. This cut, situated at UTM 319946 m E and 5921625 m N, lies more than 1 km west of the western margin of the Tetachuck North Stock. The steeply northwest-dipping, north-northeast to northeast-striking host rocks show evidence of open folding. Most of the hornfelsic rocks in the open-cut contain between 1 to 5% fine-grained, disseminated pyrite, but at certain localities there are thin (<1.5m) steeply-dipping zones of siliceous brown-garnet exoskarn containing > 25% pyrite-pyrrhotite and lesser chalcopyrite. These mineralized zones are orientated sub-parallel to the remnant bedding, and some are spatially associated with late faulting, oxidation and abundant black Mn-oxide alteration. The **Type 2** vein-stockwork mineralization occurs immediately east of the roadside open-cut where it is seen in float and sub-crop for > 300 m along the logging road. This mineralization is hosted by hornfels and garnet-exoskarn; the latter is characterized by pink garnet with epidote and abundant quartz. Molybdenite tends to (but not always) occur along the margins of the quartz-pyrite ± chalcopyrite veinlets.

8.0 Previous Exploration

8.1 Geological Mapping

Apart from the immediate vicinities of the Exo road quarry it is believed that most of the property has not been geologically mapped or explored in much detail. In 1980, JMT Services Corp staked and explored the Tet Cu-Mo showing area and produced a 1:6000 scale geology map of this small area (Richards, 1981). This showed the existence of various mafic to intermediate intrusive rocks as well as several north-trending dikes of quartz-feldspar porphyry. This work also revealed the existence of several old trenches and drill sites that are presumed to have been completed by Noranda Exploration Company in the early 1970’s. There is no mention in the BC Minfile of this early trenching-drilling exploration at the Tet, which was presumably done while Noranda was exploring ground further south around Tetachuck Lake (Dirom and Knauer, 1971). Keyser (1984) reports that some reconnaissance 1:5,000 scale geological mapping was completed at the Godot Cu-Mo showing. Reconnaissance 1:10,000 scale geological mapping was completed by Leask (1987b) at the Exo skarn. This work outlined a hornfels-skarn envelope, as least 1 km wide, adjacent to the western margin of the Tetachuck North Stock, as well as anomalous Mo-Cu mineralization over a distance of 350 m.

8.2 Surface Rock Chip and Grab Sampling

Some rock chip sampling has been undertaken in the Exo, Godot and Tet areas, as reported by Richards (1981), Keyser (1984), Leask (1987a and 1987b), and Keefe (2000). These have returned some anomalous Cu, Pb, Zn, W, Mo and Ag assay values.

During 2008 a total of twenty rock grab and rock chip samples where taken from the Ches property (Ray, 2009). Ten of these were taken from the Exo skarn road open cut where sulphide-rich garnet skarn is exposed. Another eight samples were collected nearby along the logging road that passed over the wide Mo-Cu-bearing quartz stockwork zone. The remaining two grab samples were taken from another smaller roadside quarry located at UTM 317152E, 5922541N. The assay results of the 20 samples, showed that fourteen of the samples contained > 2000 ppm Cu (maximum 10500 ppm), and ten samples assayed >598 ppm W (maximum 3031 ppm). In addition, there were sporadic anomalous values in Mo (maximum 219 ppm), Zn (maximum 1862 ppm), and Ag (maximum 16 ppm). There were also sporadic enhanced values in Co (up to 155 ppm), Mn (up to 7343 ppm), Bi (up to 16 ppm) and Se (up to 43 ppm). Assays in Au and As were very low (maximum 0.02 g/t Au and 9 ppm As).

8.3 Trenching

Prior to 2014 no trenching has been conducted at the Ches property in the vicinity of the Exo road quarry. The road quarry at the Exo skarn prospect exposes patchy sulphide mineralization and skarn alteration over a zone 52 metres long. This was excavated for road building material.

Richards (1981) reports discovering some old trenches at the Tet showing. These were presumably dug by the Noranda Exploration Company during the early 1970's when at least seven short drill holes were completed. There is no record or data available for this work.

8.4 Geophysical Surveys

Magnetometer and VLF-EM surveys were also completed over parts of the Exo skarn prospect (Leask 1987a and 1987b). These surveys outlined several anomalies that are 800m and possibly 1500m in length and remain open along strike to the northeast and southwest. In May 1972, Noranda completed a reconnaissance IP and Resistivity survey over parts of the Godot Cu-Mo showing (Fountain, 1972). Eight lines, 400 ft (122m) apart, were surveyed using a McPhar variable IP unit utilizing a dipoledipole electrode configuration and 400 ft spaced dipoles.

8.5 Geochemical Surveys

Leask (1987a and 1987b) notes that the first known exploration around the Exo Cu-Mo-W skarn-stockwork prospect took place after Esso Minerals Ltd staked the ground based on high copper-zinc values in lake sediments. Followup work by Esso included 15 km of cut line with soil sampling and magnetometer and VLF-EM geophysical surveys. In 1987, 26 kilometers of grid-line were cut. Magnetometer and VLF-EM readings and soil samples were taken at 25 meters along the cut-lines. A total of 848 soil samples were collected. The range of soil assays were as follows: 7 ppm to 512 ppm for Cu, 1 ppm to 39 ppm for Mo, 1 ppm to 124 ppm for W, 33 ppm to 4306 ppm for Zn, 0.1ppm to 2.4 ppm for Ag, 1 ppb to 310 ppb for Au. The last known exploration at the Exo skarn involved the collection of 18 bedrock samples, 1 silt sample and 39 soil samples (Keefe, 2000).

Keyser (1984) describes a soil sampling program conducted for Colossal Energy Inc. in the vicinity of the Godot showing. A total of 41 soil samples were taken and these outlined low-order anomalies for silver, copper and lead. In 1980, JMT Services and Prism Resources Ltd conducted a small program of soil and rock-chip sampling at the Tet Cu-Mo showing, as well as some 1:6000 scale geological mapping (Richards, 1981). During this work 63 rock-chip samples, 12 soil samples and some silt samples were collected. In addition, pyritic Cu-Mo mineralization hosted by hornfels, quartz diorite and aplite was seen in float and outcrop at the Tet showing. One hornfels sample assayed 16 ppm Mo, and soils in the vicinity of the aplite body contained between 22 to 88 ppm Mo.

8.6 Drilling

There is no known drilling around or near the Exo prospect. The only known drilling activity in the area took place at the Tet Cu-Mo showing, although virtually nothing is known about which company completed the work, the mineralization intersected or the assay results. There is indirect evidence (Richards, 1981) that at least seven diamond drill holes were completed, possibly by Noranda Exploration during the early 1970's, when that company was exploring the Godot showing and an area immediately south of the Ches property (Dirom and Knauer, 1971). Richards (1981), while mapping the Tet area, found some of the old drill pads and examined the scattered drill core. The holes were reported all less than 200 ft long (<60 m). They intersected a variety of intrusive rocks, including alaskite and aplite, that hosted some pyrite-chalcopyrite-molybdenite mineralization. Richards notes that the grade of mineralization and alteration was increasing with depth in the holes and in general the grades were also increasing to the north towards a small circular shallow lake/swampy area.

9.0 Current Exploration Program

During September and October 2014 Northern Abitibi Mining Corp. conducted a trenching, surface sampling, and mapping program to better assess the historic mineralized zones around the Exo showing. The exploration program was delayed several months due to the large Chelaslie River fire which burned from June to early September and burned all of the mature forests on the Ches claims along with significant portions of the younger replanted zones within logging cut blocks. The fire burned very hot and as a result almost all of the underbrush and surficial woody debris was incinerated. This made it easier to locate and map new outcrop within previously forested areas during property scale mapping.

9.1 Surface Mapping

Trench exposures have been combined with 3 days of surface outcrop mapping to produce the simplified geologic map shown in Figure 5. Four separate geologic units are shown on the map and are described below. These include 2 units assumed to be part of the Naglico Formation and 2 intrusive units assumed to part of the Bulkley Intrusive Suite.

1) Medium to coarse grained quartz monzonite (Tetachuck North Stock): This unit is a medium to coarse grained intrusive with a phaneritic groundmass, composed mostly of feldspar with up to 10% quartz and 10% biotite along with minor hornblende. In the central part of the intrusive the unit is mostly unaltered with minor chlorite, near the western contact (near Trench 1) the intrusive contains 1 to 3% sulfides and minor skarn alteration. A few dikes 1 to 10 metres wide with a similar composition cut Naglico Formation sedimentary rocks in trenches 1, 2, and 4.

2) Fine grained feldspar-biotite-hornblend intrusive: This unit forms a hill about 500 metres south of the Exo road quarry and has been traced for roughly 1000 metres with its southern extent poorly constrained. The rock is composed dominantly of 1 to 3mm feldspar crystals with 10% mafics (hornblende and biotite) in a locally dark plagioclaise-biotite-hornblende groundmass. Minor quartz is present and the composition is tentatively identified as granodiorite to quartz-diorite. The unit contains some chlorite alteration, some secondary biotite, and minor sugary quartz veinlets and actinolite-sulfide veinlets. The unit is magnetic and typically contains 1 to 3% disseminated pyrrhotite.

3) Naglico Formation bedded mudstone-siltstone-limestone unit: On the property this unit is composed of NW dipping bedded units, with beds typically less than a metre up to about 5 metres thick. The unit contains dark fine grained hornfelsed mudstones, lighter colored siliceous siltstones and cherty units, black limestone, and gray marble. The units typically contain patchy calc-silicate alteration and veinlets with disseminated pyrrhotite-pyrite.

4) Naglico Formation andesite volcanics: This unit is exposed west of the mineralized zone on the property and includes andesitic lapilli tuffs and feldspar-amphibole phyric andesite flows.

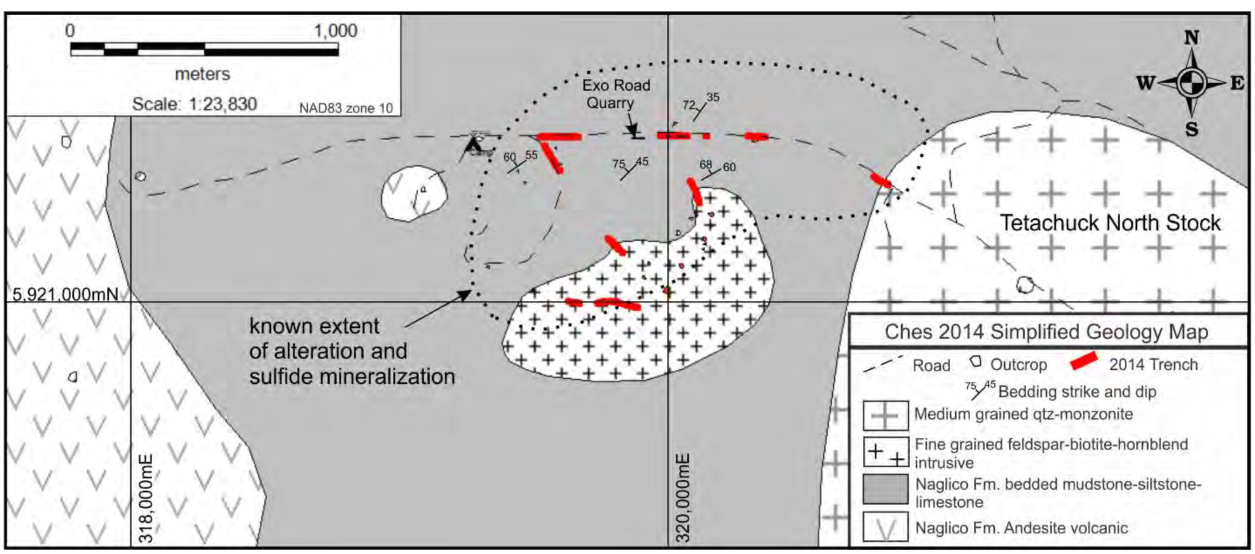

Figure 5. Simplified geology map of the Ches property.

The known extend of alteration and sulfide mineralization occurs to the west of the Tetachuck North Stock, but also occurs surrounding the fine grained feldspar-biotite-hornblende intrusion on the north side. There is no information on the extent of alteration and sulfides to the south of the fine grained feldspar-biotite-hornblende intrusion, but based on the distribution of alteration in Figure 5 and the presence of alteration and sulfides within the fine grained intrusion, it was postulated that the fine grained intrusion might have a genetic relation to alteration and mineralization at the Exo road quarry and surrounding area. Two trenches were designed to see if skarn alteration increased near the contact with this intrusion, however, trenching did not encounter significant increases in skarn or mineralization at the contact.

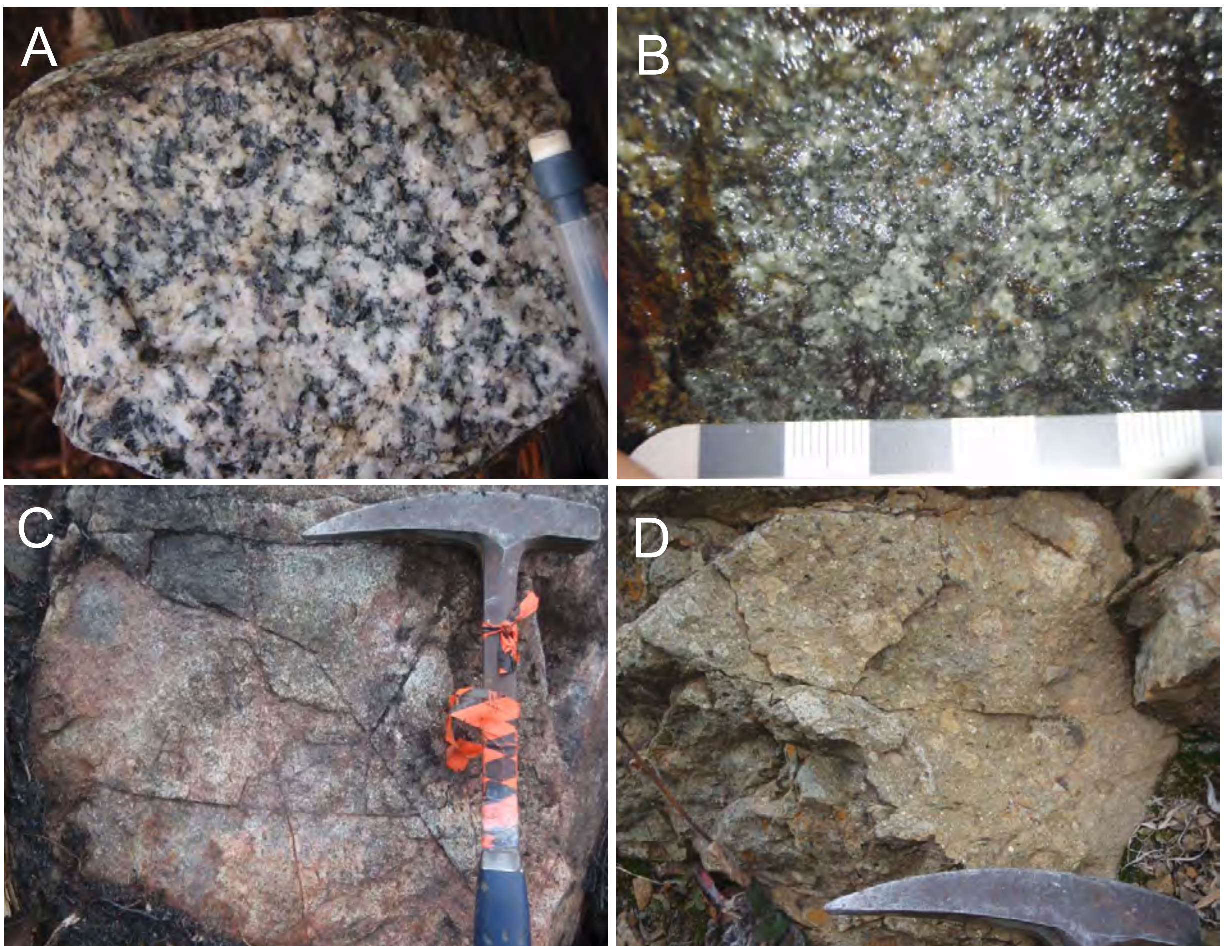

Figure 6. Rock type photoplate. A) Tetachuck North Stock, medium to coarse grained quartz monzonite. B) Fine grained feldspar-biotite-hornblende intrusive found south on the hill south of the Exo road quarry. C) Weathered exposure of fine grained feldspar-biotite-hornblende intrusive cut by thin quartz-sulfide veinlets. D) Andesitic lapilli tuff.

9.2 Trenching

Seven trenches were completed within a 1.5 by 0.5 km area and 274 surface rock samples were collected and assayed. Trenches were designed to evaluate known zones of mineralization, test historic soil anomalies, and expose the contact of an altered fine grained intrusive located south of the Exo showing. Trenching was done with a Hyundai 210LC3 excavator. Trenches were washed with a 2 inch pump in preparation for mapping and sampling. Trenches and available surface exposures were mapped and chip sampled, as was the existing Exo road quarry exposure. Parts of the property contain shallow till cover and are amenable to bedrock exposure by trenching, whereas parts contain thick till cover and bedrock could not be reached with an excavator.

Figure 7 below shows the locations of the 2014 trenches which have been numbered 1 to 7, along with the Exo road quarry. Trenches 1, 2, 4, and 5 are located adjacent to existing logging roads, Trenches 3, 6, and 7 are located within a burnt forest and test the intrusive contact around a portion of a small intrusion that forms a modest hill south of the Exo road quarry (see Figure 5).

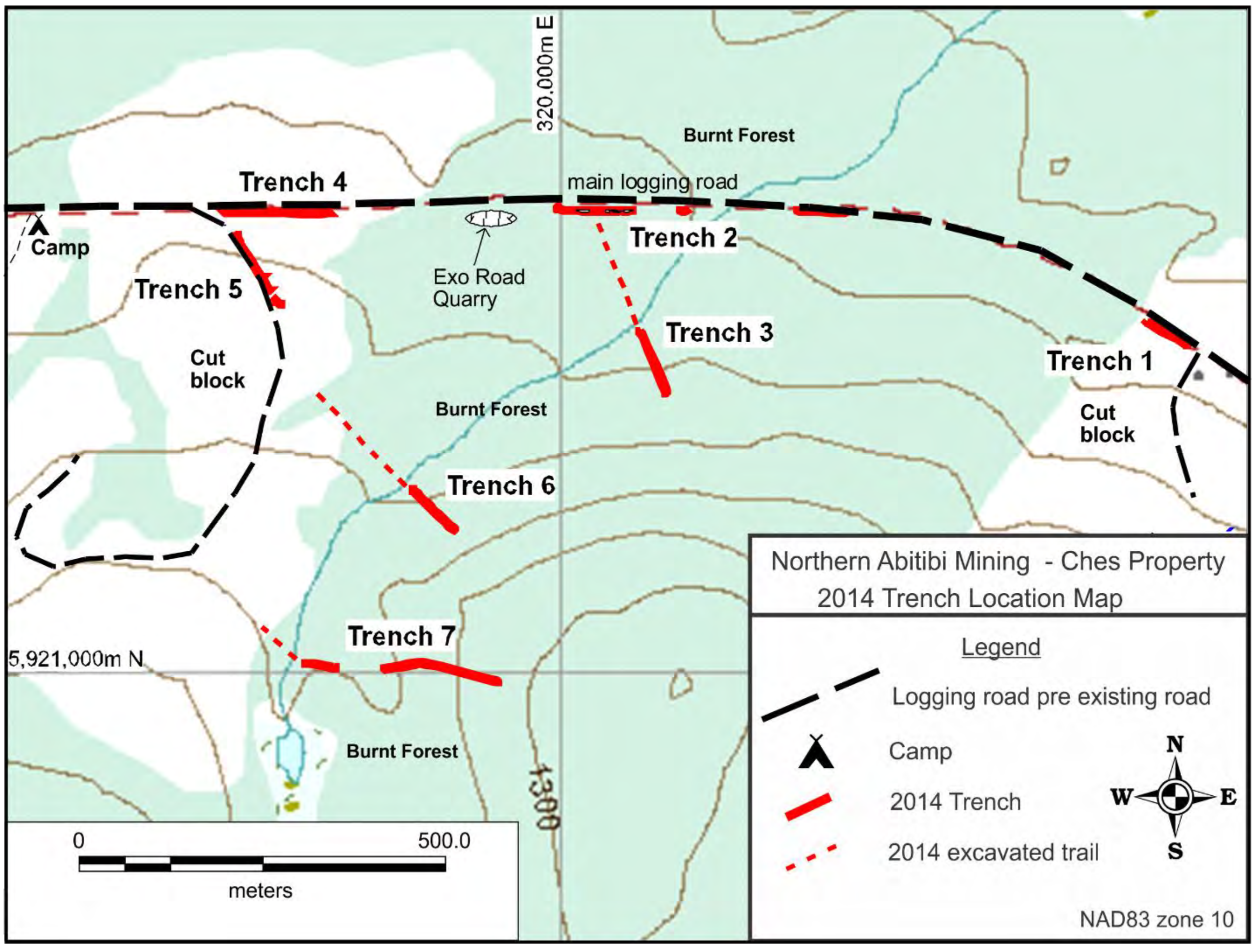

Figure 7. Ches Property trench location map.

Trenching has exposed minor limestone and marble beds along with fine grained bedded clastic sedimentary rocks and intrusive rocks, with select beds containing garnet, pyroxene, or actinolite skarn with sulfides. Stockwork quartz-sulfide veinlets are exposed in trenches in select areas, along with sulfide veinlets containing pyrite-pyrrhotite-chalcopyrite-sphalerite. Trench maps with geochemical results are shown in Appendix C.

9.2.1 Exo Road Quarry

The Exo road quarry exposes steeply northwest dipping hard siliceous bedded sedimentary rocks with disseminated and veinlet pyrite-pyrrhotite, minor quartz-sulfide veinlets, and patchy actinolite, epidote, and chorite. There are 2 zones 1 to 3m wide at samples 38219 to 21, and 38223, with light green epidote, dark green actinolite and brown garnet skarn (>50% skarn minerals) that replace specific beds in the sedimentary package. Chalcopyrite and sphalerite are visible locally in sulfide-quartz veins/zones but are not abundant. Pyrrhotite and pyrite are the main sulfide minerals present.

Twenty seven chip samples were taken along the Exo exposure in an east west direction (Figure 8). All of the samples are consecutive 1.5m representative chip samples with the exception of sample 38201 which is a 2m chip with a 1.5m gap from the rest of the samples. Assay results for the Exo road quarry samples are shown in Table 3 below.

Highlights include Sample 38216, a 1.5 metre chip sample that returned 1.25% Zn, 0.16% Cu, 0.01% WO_3, and 2.6 g/t Ag. Sample 38217, a 1.5m chip sample consecutive with sample 38216, returned 0.52% Zn, 0.05% copper, 0.01% WO_3, and 0.8 g/t Ag. Sample 38219, a 1.5m chip sample, returned 0.11% copper, 0.03% WO_3, and 3.2 g/t Ag.

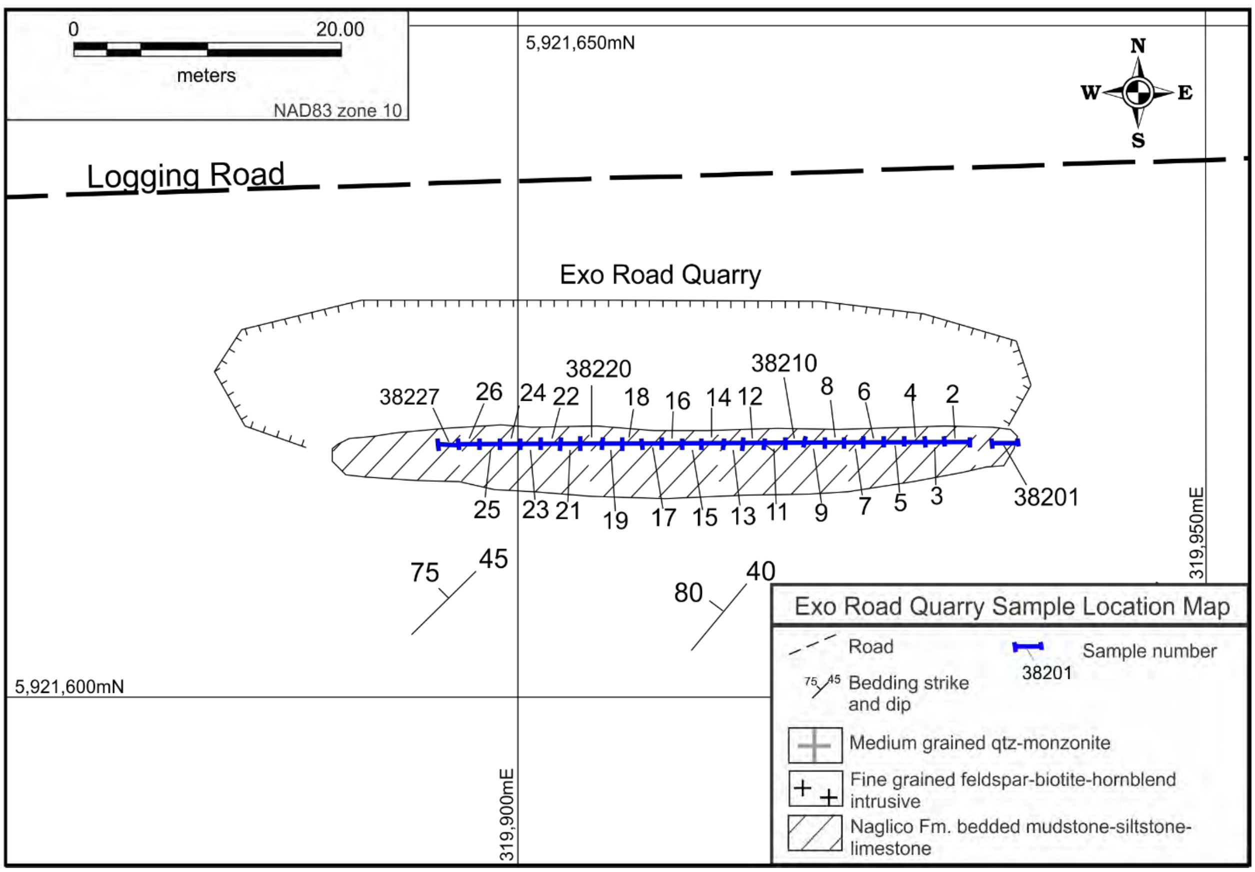

Figure 8. Exo road quarry sample location map.

Historic grab samples from the Exo road quarry have returned samples with strong Cu, Zn, W, and Ag grades whereas representative chip sampling demonstrates significant grades do not persist over significant widths. Higher grades appear to be patchy and generally restricted to zones 5 to 20cm thick.

Table 3. Assay results from chip sampling at the Exo road quarry.

Sample	Sample type	Length (m)	Cu ppm	Zn ppm	Ag ppm	WO3 ppm	Mo ppm	Au ppb
38201	chip	2	415	60	0.5	6	11	< 5
38202	chip	1.5	175	76	< 0.2		17	< 5
38203	chip	1.5	766	85	1.1		8	< 5
38204	chip	1.5	144	37	< 0.2		6	< 5
38205	chip	1.5	226	114	< 0.2		6	< 5
38206	chip	1.5	127	33	< 0.2		8	< 5
38207	chip	1.5	273	86	0.2		5	< 5
38208	chip	1.5	230	176	< 0.2		4	< 5
38209	chip	1.5	91	44	< 0.2		7	< 5
38210	chip	1.5	73	40	< 0.2		3	< 5
38211	chip	1.5	208	116	< 0.2		7	< 5
38212	chip	1.5	195	235	< 0.2		4	< 5
38213	chip	1.5	254	920	0.5	13	6	< 5
38214	chip	1.5	331	546	0.3	21	3	< 5
38215	chip	1.5	565	3820	0.7	111	< 2	< 5
38216	chip	1.5	1640	12500	2.6	122	12	15
38217	chip	1.5	535	5150	0.8	113	57	< 5
38218	chip	1.5	79	245	0.6	10	< 2	< 5
38219	chip	1.5	1100	482	3.2	276	2	< 5
38220	chip	1.5	464	157	0.4	32	15	< 5
38221	chip	1.5	81	334	0.3	34	< 2	< 5
38222	chip	1.5	281	1800	0.6		3	< 5
38223	chip	1.5	134	925	0.2		3	< 5
38224	chip	1.5	70	324	< 0.2	82	2	< 5
38225	chip	1.5	72	174	< 0.2	16	2	< 5
38226	chip	1.5	93	85	< 0.2		< 2	< 5
38227	chip	1.5	217	1870	< 0.2	10	< 2	< 5

Figure 9. Exo road quarry photoplate. A) View of the Exo exposure looking south. B) Steeply NW dipping bedded sedimentary rocks with variable skarn alteration and sulfides. C) Close up of garnet-pyroxene skarn bed.

9.2.2 Trench 1

Trench 1 is located on the east side of the property and exposes bedded sedimentary rocks in contact with the Tetachuck North Stock. Attempts to expose additional bedrock immediately west of Trench 1 were unsuccessful as thick till was encountered. Patchy garnet and pyroxene skarn alteration occurs in the bedded sedimentary rocks adjacent to the intrusion along with 2 to 4% pyrrhotite-pyrite and traces of chalcopyrite and sphalerite. Traces of malachite occur within the intrusion. The majority of the sulfides occur within the sedimentary rocks, very little sulfides occur in the intrusion. Minor patches of skarn occur in the intrusive proximal to the contact but the intrusion in general is not significantly mineralized or veined.

A total of twenty nine 1.5 metre chip samples were taken from Trench 1, sample locations and simplified geology are shown on Figure 10 and assay results are summarized in Table 4. The exposed contains anomalous Cu and Zn but no values approaching economic grades were uncovered, and the trench did not indicate that skarn alteration or mineralization increased at the contact with the Tetachuck North Stock. Sample 5623481 returned 38.1 g/t Ag over 1.5m with anomalous Cu and 0.1% Zn and was the most significant sample from the zone.

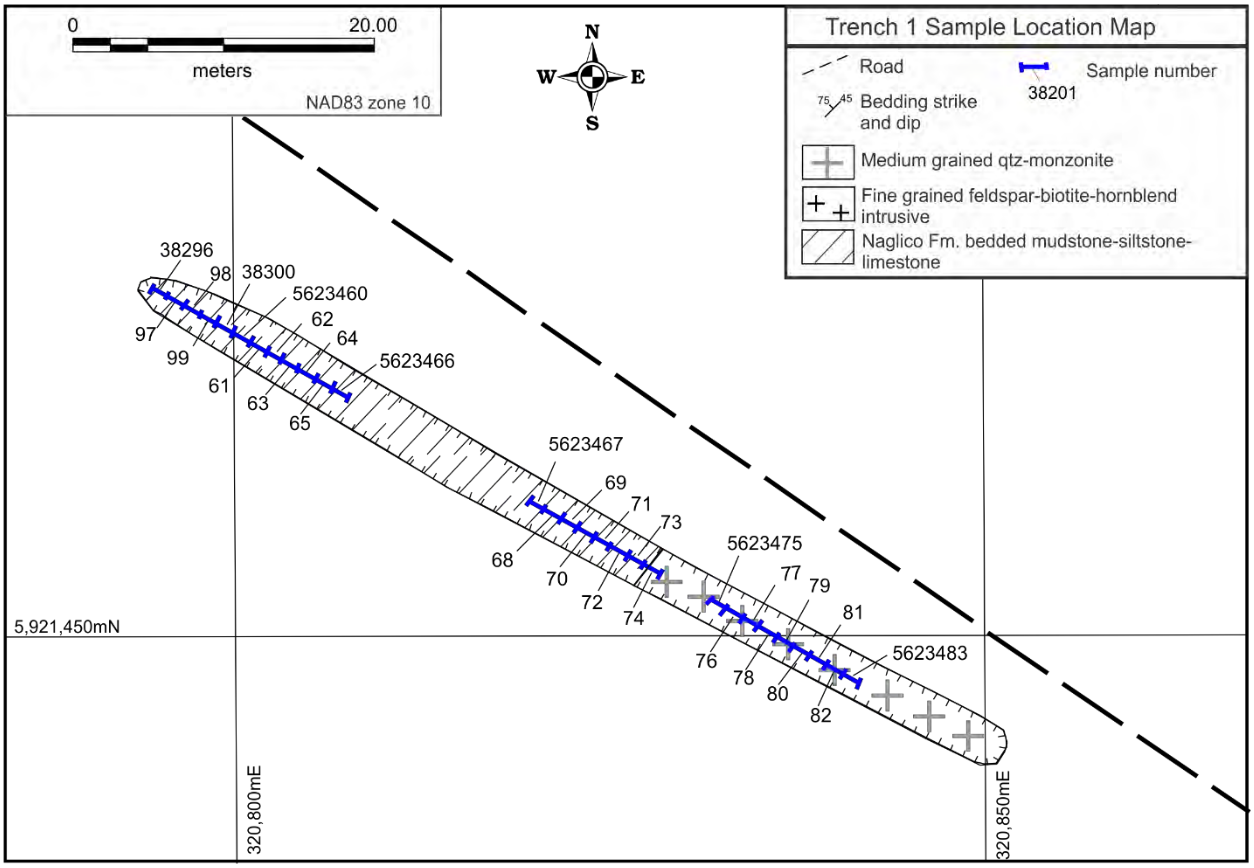

Figure 10. Trench 1 sample location map.

Table 4. Assay results from Trench 1.

Sample	Sample type	Length (m)	Cu ppm	Zn ppm	Ag ppm	WO3 ppm	Mo ppm	Au ppb
38296	chip	1.5	128	105	0.4		< 2	< 5
38297	chip	1.5	37	78	0.3	62	65	< 5
38298	chip	1.5	81	71	< 0.2		2	< 5
38299	chip	1.5	498	80	0.3		7	< 5
38300	chip	1.5	94	91	< 0.2		< 2	< 5
5623460	chip	1.5	520	69	0.4		2	< 5
5623461	chip	1.5	319	56	0.2		8	< 5
5623462	chip	1.5	318	60	0.2		3	< 5
5623463	chip	1.5	47	41	< 0.2		4	< 5
5623464	chip	1.5	220	48	0.3		6	< 5
5623465	chip	1.5	48	45	< 0.2		3	< 5
5623466	chip	1.5	42	39	< 0.2		10	< 5
5623467	chip	1.5	187	92	0.9		6	< 5
5623468	chip	1.5	186	188	0.4		3	< 5
5623469	chip	1.5	109	164	0.6		2	< 5
5623470	chip	1.5	191	110	< 0.2		7	< 5
5623471	chip	1.5	455	93	0.7	13	13	14
5623472	chip	1.5	213	113	0.4		< 2	< 5
5623473	chip	1.5	110	121	0.6		5	< 5
5623474	chip	1.5	123	225	0.6		4	< 5

5623475	chip	1.5	87	208	0.9		4	29
5623476	chip	1.5	71	105	0.4		4	< 5
5623477	chip	1.5	93	123	0.3		3	< 5
5623478	chip	1.5	113	154	0.8		3	< 5
5623479	chip	1.5	94	203	0.6		3	< 5
5623480	chip	1.5	57	263	4.1		6	< 5
5623481	chip	1.5	896	1010	38.1	16	4	14
5623482	chip	1.5	55	118	0.7		4	< 5
5623483	chip	1.5	59	312	0.8		4	< 5

Figure 11. Trench 1 photoplate. A) View of trench 1 looking east. B) Tetachuck North Stock exposed in Trench 1.

9.2.3 Trench 2

Trench 2 starts just east of the Exo road quarry and exposes outcrop along the side of the main logging road in an area formerly known as the stockwork zone, where numerous historic selective grab samples have returned strong copper, silver, molybdenum values. Sample locations and simplified geology for Trench 2 are presented in Figure 12. The trench is divided into the West, Mid, and East sections as bedrock could not be exposed continuously due to locally thick zones of till. The trench exposes mainly hard siliceous/hornfelsed bedded sedimentary rocks containing variable skarning with actinolite, chlorite, pyroxene and garnet. The zone contains 2 to 4% pyrrhotite and pyrite with traces of chalcopyrite, sphalerite, and molybdenite with rare traces of bornite. Minor scheelite has been identified with an ultraviolet light. Thin quartz sulfide veins cut the zone at a density of about 2 to 4 veinlets per metre and strike NE and NW with steep dips. Sulfide veinlets occurring in multiple orientations are present locally.

At the East end of Trench 2 a 2 to 3m wide dike or sill of feldspar-quartz-biotite intrusive cuts the altered sedimentary rocks. A thin black fine grained (magnetic) dike of basalt also occurs in Trench 2.

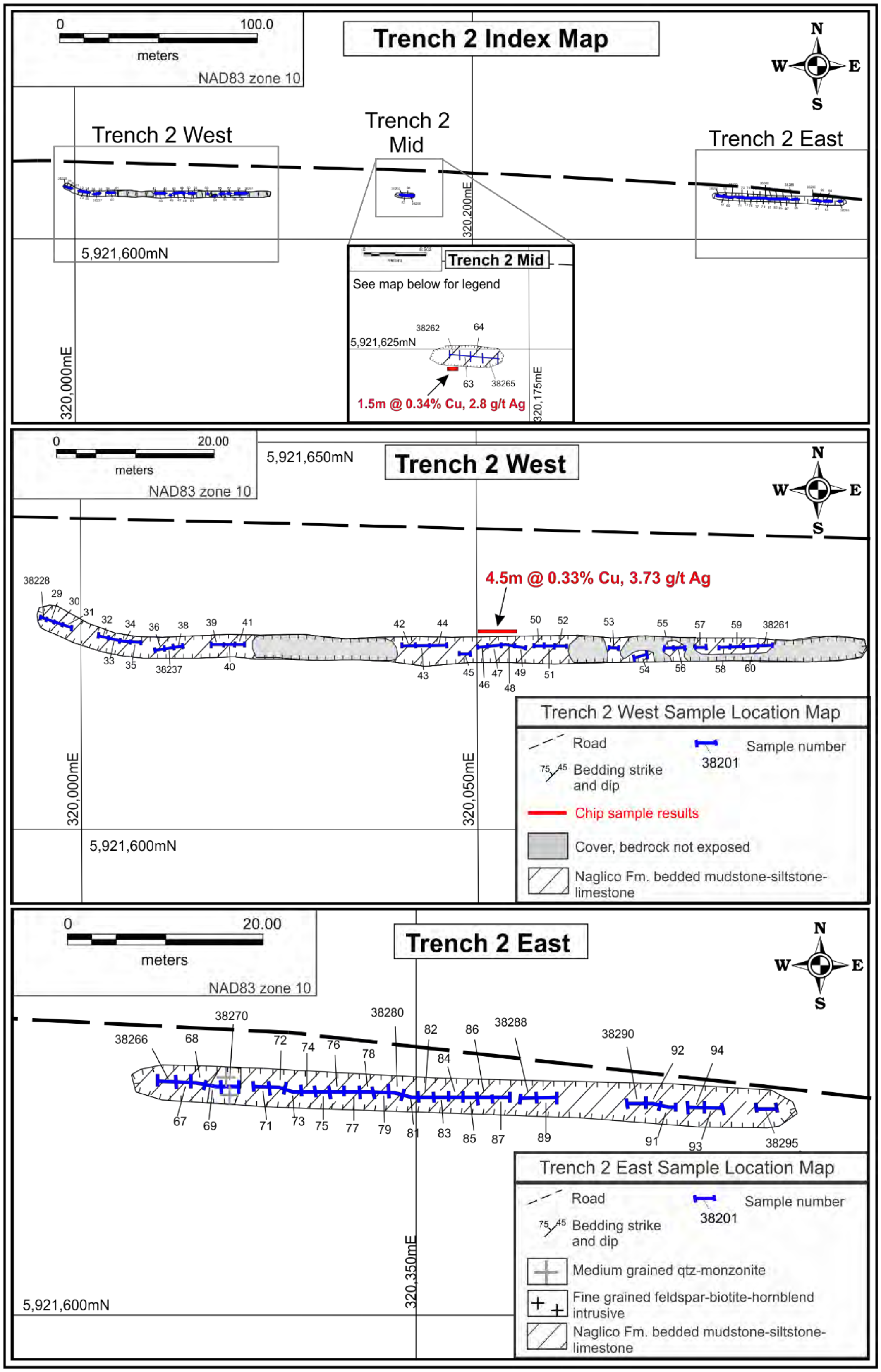

Figure 12. Trench 2 sample location map.

Sixty eight chip samples were taken from Trench 2, their locations are shown on Figure 12 and assay results are listed in Table 5. The zone contains anomalous Cu, Zn, and locally Ag and WO_3. The West end of Trench 2 returned chip samples grading 0.33% copper, 3.73 g/t silver and 0.03% WO_3 over 4.5 metres (samples 38246, 47, 48), including 0.61% copper, 7.4 g/t silver, and 0.05% WO_3 over 1.5 metres (sample 38247). This is the most significant result obtained from the 2014 trenching program, and show Cu mineralization over a modest width. Sample 38262, from the middle of the trench also returned elevated Cu grading 0.34% Cu and 2.8 g/t Ag over 1.5m.

Table 5. Assay results from Trench 2.

Sample	Sample type	Length (m)	Cu ppm	Zn ppm	Ag ppm	WO3 ppm	Mo ppm	Au ppb
38228	chip	1.5	54	93	< 0.2		2	< 5
38229	chip	1.5	503	176	0.4	10	2	11
38230	chip	1.5	670	4750	0.8	10	2	< 5
38231	chip	1.5	1070	1730	1.1	71	2	< 5
38232	chip	1.5	956	892	0.8	163	10	< 5
38233	chip	1.5	701	271	0.3	18	6	< 5
38234	chip	1.5	208	117	< 0.2		2	< 5
38235	chip	1.5	60	112	< 0.2		< 2	< 5
38236	chip	1.5	396	99	< 0.2		< 2	< 5
38237	chip	1.5	215	167	< 0.2	9	< 2	< 5
38238	chip	1.5	175	103	< 0.2		< 2	< 5
38239	chip	1.5	654	299	1	13	3	< 5
38240	chip	1.5	519	517	0.5	39	14	< 5
38241	chip	1.5	881	1070	1.1	129	3	< 5
38242	chip	1.5	167	416	0.3		4	< 5
38243	chip	1.5	279	203	0.6	9	8	< 5
38244	chip	1.5	490	162	1.5		6	< 5
38245	chip	1.5	941	1880	1	266	8	< 5
38246	chip	1.5	2670	325	3	214	8	< 5
38247	chip	1.5	6100	289	7.4	533	9	21
38248	chip	1.5	1000	553	0.8	154	3	< 5
38249	chip	1.5	403	1190	0.3	55	8	< 5
38250	chip	1.5	174	134	< 0.2		13	< 5
38251	chip	1.5	22	67	< 0.2		4	< 5
38252	chip	1.5	221	107	< 0.2		10	< 5
38253	chip	1.5	80	117	< 0.2		35	< 5
38254	chip	1.5	109	84	< 0.2		2	< 5
38255	chip	1	858	111	0.5	28	8	< 5
38256	chip	1.5	586	237	0.6	18	6	< 5
38257	chip	1.5	316	267	0.3	24	4	< 5
38258	chip	1.5	163	149	< 0.2		3	< 5
38259	chip	1.5	395	364	< 0.2		8	< 5
38260	chip	1.5	311	1130	0.3	39	4	< 5
38261	chip	1.5	224	499	0.6	10	3	< 5
38262	chip	1.5	3410	247	2.8	246	3	< 5
38263	chip	1.5	463	190	0.4	77	3	< 5
38264	chip	1.5	459	145	0.2		3	9
38265	chip	1.5	374	348	0.2		< 2	< 5
38266	chip	1.5	856	323	0.9	107	9	< 5

38267	chip	1.5	499	739	0.5	66	8	< 5
38268	chip	1.5	433	910	0.4	209	7	< 5
38269	chip	1.5	843	141	1	305	7	< 5
38270	chip	1.5	463	307	0.3	29	5	< 5
38271	chip	1.5	298	65	< 0.2		7	< 5
38272	chip	1.5	579	46	0.5	10	3	< 5
38273	chip	1.5	146	57	< 0.2		4	< 5
38274	chip	1.5	140	66	< 0.2		3	< 5
38275	chip	1.5	142	104	0.3		7	< 5
38276	chip	1.5	94	53	< 0.2		6	< 5
38277	chip	1.5	71	75	< 0.2		4	< 5
38278	chip	1.5	118	84	< 0.2		3	< 5
38279	chip	1.5	398	261	0.6	10	10	< 5
38280	chip	1.5	494	118	0.3	25	6	< 5
38281	chip	1.5	356	143	< 0.2	9	< 2	< 5
38282	chip	1.5	245	108	< 0.2		4	< 5
38283	chip	1.5	173	174	0.2		< 2	< 5
38284	chip	1.5	265	1250	< 0.2	18	2	< 5
38285	chip	1.5	580	146	0.3	15	3	< 5
38286	chip	1.5	231	440	< 0.2	15	4	< 5
38287	chip	1.5	176	540	< 0.2	19	< 2	< 5
38288	chip	1.5	370	264	< 0.2	19	13	< 5
38289	chip	1.5	485	252	0.3		19	< 5
38290	chip	1.5	256	414	0.3		7	< 5
38291	chip	1.5	306	189	0.3	24	13	< 5
38292	chip	1.5	268	445	0.3	19	7	< 5
38293	chip	1.5	462	370	0.4		6	< 5
38294	chip	1.5	295	97	< 0.2		6	< 5
38295	chip	1	653	352	0.4	11	3	< 5

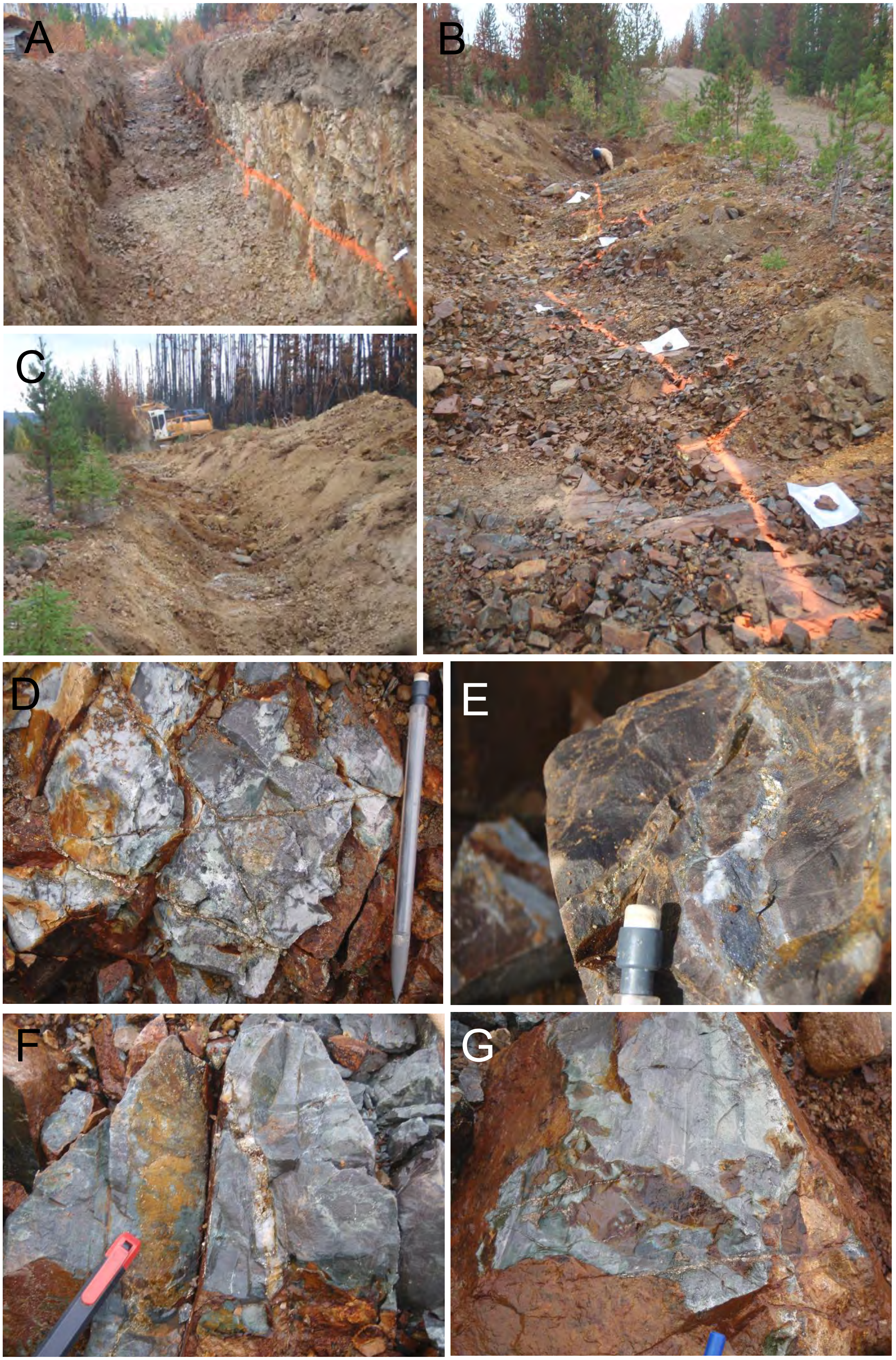
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Figure 13 (above). Trench 2 Photoplate. A) Trench 2 East. B) Trench 2 West. C) Trench 2 Mid. D) Sulfide veinlets in multiple orientations cutting hornfelsed fine grained sedimentary rocks. E) Thin quartz-molybdenite veinlets. F) Quartz-pyrrhotite-pyrite-chalcopyrite vein. G) Thin sulfide veinlets cutting across bedding.

9.2.4 Trench 3

Trench 3 was designed to test the contact with the fine grained feldspar-biotite-hornblende intrusive to the south of the Exo showing. The trench exposed hornfelsed

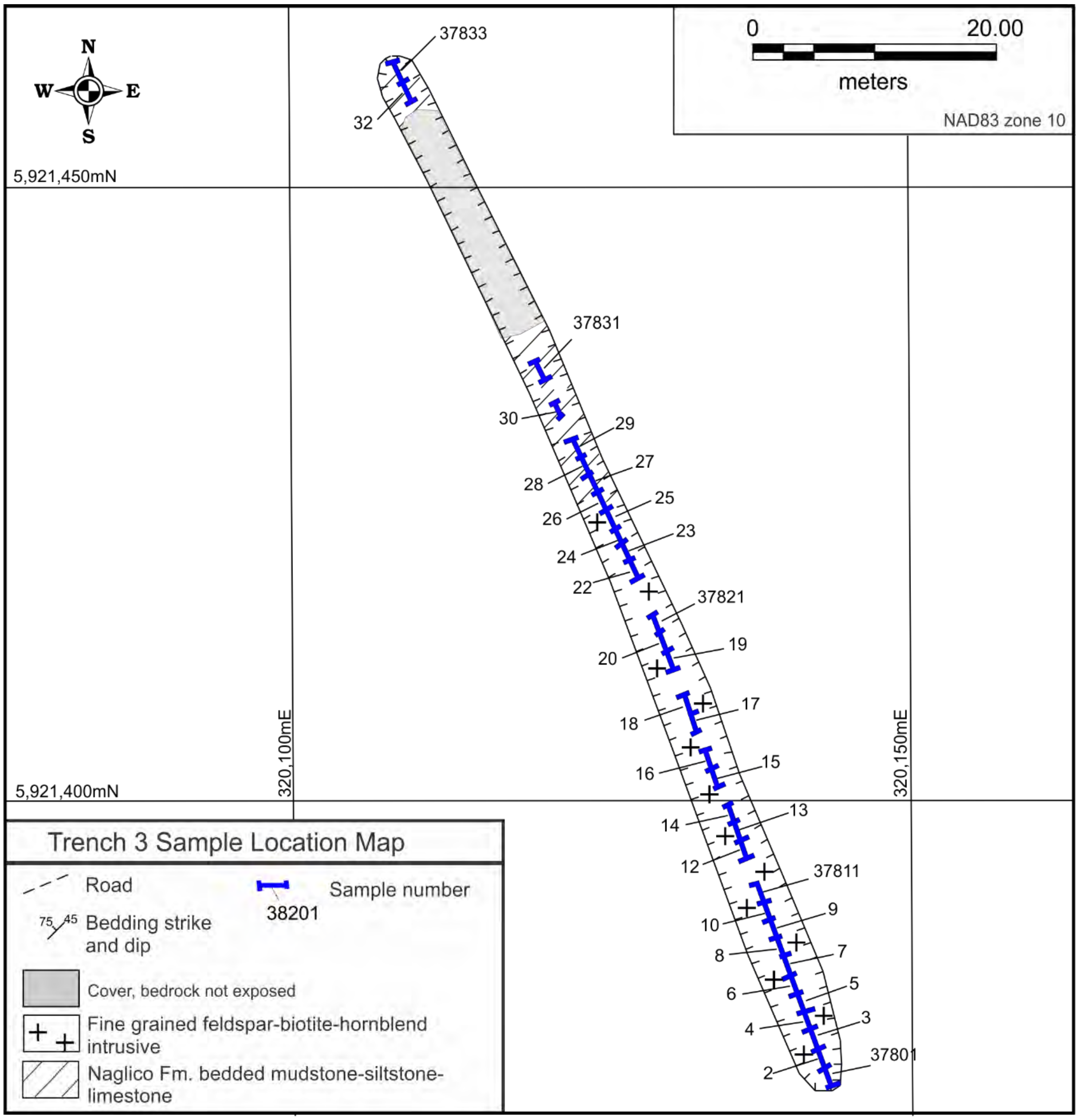

Figure 14. Trench 3 sample location map.

bedded sedimentary rocks with patchy skarn and sulfides similar to those exposed in Trench 2. Thirty three chip samples were taken from the trench, their locations are shown in Figure 14 and assay results are summarized in Table 6.

Table 6. Assay results from Trench 3

Sample	Sample type	Length (m)	Cu ppm	Zn ppm	Ag ppm	WO3 ppm	Mo ppm	Au ppb
37801	chip	1.5	120	165	< 0.2		2	< 5
37802	chip	1.5	212	111	< 0.2	6	< 2	< 5
37803	chip	1.5	101	184	< 0.2	6	< 2	< 5
37804	chip	1.5	85	139	< 0.2		< 2	< 5
37805	chip	1.5	160	195	< 0.2		6	< 5
37806	chip	1.5	118	214	< 0.2		6	< 5
37807	chip	1.5	205	241	< 0.2	20	7	10
37808	chip	1.5	158	86	< 0.2	11	< 2	< 5
37809	chip	1.5	242	100	< 0.2		< 2	< 5
37810	chip	1.5	249	77	< 0.2		3	< 5
37811	chip	1.5	156	395	< 0.2	13	4	< 5
37812	chip	1.5	160	391	< 0.2	30	3	< 5
37813	chip	1.5	140	289	< 0.2		4	< 5
37814	chip	1.5	109	1130	< 0.2	15	2	7
37815	chip	1.5	80	96	< 0.2		< 2	< 5
37816	chip	1.5	63	178	< 0.2		< 2	< 5
37817	chip	1.5	34	73	< 0.2		< 2	< 5
37818	chip	1.5	54	69	< 0.2		< 2	< 5
37819	chip	1.5	277	76	< 0.2		< 2	< 5
37820	chip	1.5	112	100	< 0.2		14	< 5
37821	chip	1.5	137	313	< 0.2		< 2	< 5
37822	chip	1.5	52	74	< 0.2		< 2	< 5
37823	chip	1.5	56	92	< 0.2		< 2	< 5
37824	chip	1.5	79	80	< 0.2		< 2	< 5
37825	chip	1.5	78	59	< 0.2		< 2	< 5
37826	chip	1.5	38	51	< 0.2		< 2	< 5
37827	chip	1.5	45	62	< 0.2		< 2	< 5
37828	chip	1.5	86	79	< 0.2	9	2	< 5
37829	chip	1.5	166	335	< 0.2		9	< 5
37830	chip	1	118	133	< 0.2		2	< 5
37831	chip	1.5	164	587	0.3	57	16	< 5
37832	chip	1.5	130	227	< 0.2		4	< 5
37833	chip	1.5	84	147	< 0.2		3	< 5

Trench 3 contains patchy Zn anomalies with some elevated Cu but no significant zones of mineralization were uncovered.

Figure 15. Trench 3 Photoplate. A) Trench 3 looking south-southeast. B) South end of Trench 3.

9.2.5 Trench 4

Trench 4 was excavated along the main logging access road to the west of the Exo showing. The trench uncovered bedded sedimentary rocks including limestone and marble and hornfelsed mudstones and siltstones. Patchy actinolite, garnet, and pyroxene skarns occur in the zone, along with minor rhodocrosite, chlorite, pyrrhotite, pyrite,

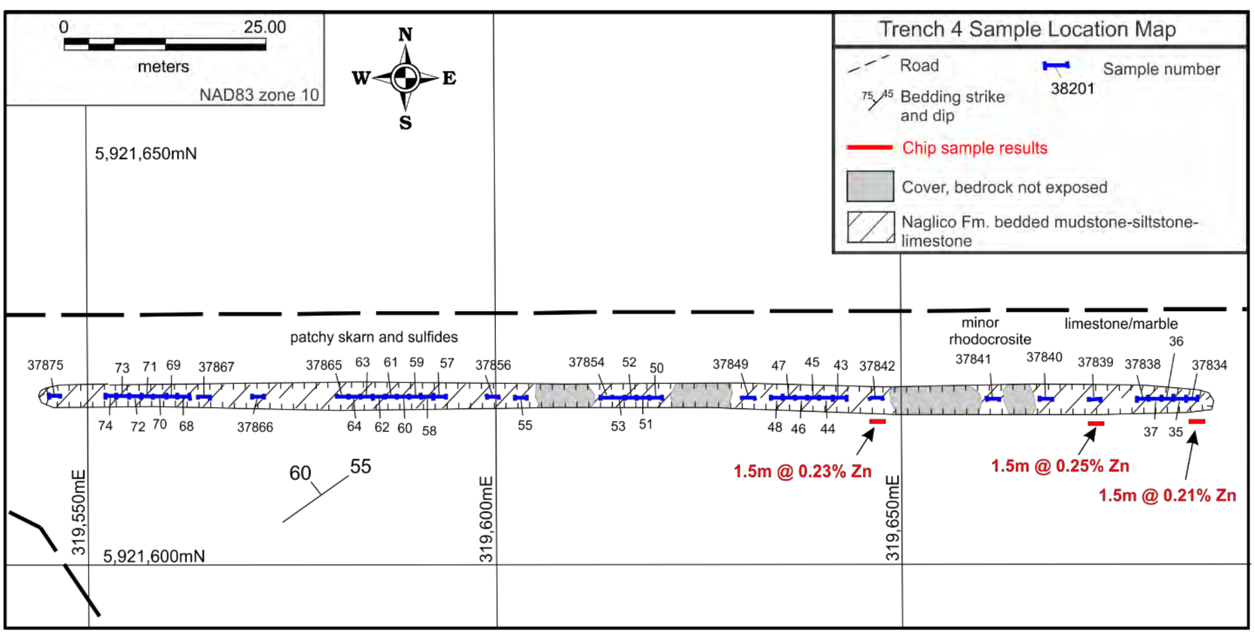

Figure 16. Trench 4 sample location map.

Chalcopyrite and sphalerite. Forty two chip samples were taken from the trench, their locations are shown on Figure 16 and assay results listed in Table 7. Several samples returned anomalous Zn, including sample 37834 which returned 0.21% Zn over 1.5m, sample 37839 which returned 0.25% Zn over 1.5m, and sample 37842 which returned 0.23% Zn over 1.5m.

Table 7. Assay results from Trench 4

Sample	Sample type	Length (m)	Cu ppm	Zn ppm	Ag ppm	WO3 ppm	Mo ppm	Au ppb
37834	chip	1.5	36	2060	2.5		3	< 5
37835	chip	1.5	216	884	1.6		3	< 5
37836	chip	1.5	148	557	0.4		< 2	< 5
37837	chip	1.5	55	531	< 0.2		2	< 5
37838	chip	1.5	125	1070	0.3	9	< 2	< 5
37839	chip	1.5	80	2510	2.5	74	8	< 5
37840	chip	1.5	88	297	< 0.2	10	3	< 5
37841	chip	1.5	41	1110	0.5		44	< 5
37842	chip	1.5	53	2340	< 0.2	82	12	9
37843	chip	1.5	279	177	0.3	6	4	< 5
37844	chip	1.5	219	89	< 0.2		< 2	< 5
37845	chip	1.5	200	518	0.3		3	< 5
37846	chip	1.5	133	207	< 0.2	9	3	< 5
37847	chip	1.5	287	644	0.3	21	4	< 5
37848	chip	1.5	42	372	< 0.2		< 2	< 5
37849	chip	1.5	84	230	0.4	9	5	< 5
37850	chip	1.5	102	168	< 0.2		5	< 5
37851	chip	1.5	47	346	0.3	6	2	< 5
37852	chip	1.5	59	291	0.3		< 2	< 5
37853	chip	1.5	39	124	< 0.2		15	< 5
37854	chip	1.5	78	113	< 0.2		8	< 5
37855	chip	1.5	37	162	< 0.2		< 2	< 5
37856	chip	1.5	146	153	0.3		< 2	< 5
37857	chip	1.5	7	62	< 0.2		< 2	< 5
37858	chip	1.5	60	173	< 0.2		22	< 5
37859	chip	1.5	24	116	< 0.2		< 2	< 5
37860	chip	1.5	36	188	< 0.2		< 2	< 5
37861	chip	1.5	46	350	0.5		24	< 5
37862	chip	1.5	43	191	< 0.2		< 2	< 5
37863	chip	1.5	24	60	< 0.2		< 2	< 5
37864	chip	1.5	46	65	< 0.2		< 2	< 5
37865	chip	1.5	71	34	< 0.2		< 2	< 5
37866	chip	1.5	66	94	< 0.2		< 2	< 5
37867	chip	1.5	62	195	0.3		3	< 5
37868	chip	1.5	87	182	< 0.2		5	< 5
37869	chip	1.5	117	397	0.4		< 2	< 5
37870	chip	1.5	91	151	0.2		< 2	< 5
37871	chip	1.5	92	361	0.4		< 2	< 5
37872	chip	1.5	57	64	< 0.2		< 2	< 5
37873	chip	1.5	25	85	< 0.2		< 2	< 5
37874	chip	1.5	83	79	< 0.2		< 2	< 5
37875	chip	1.5	36	141	0.3		< 2	< 5

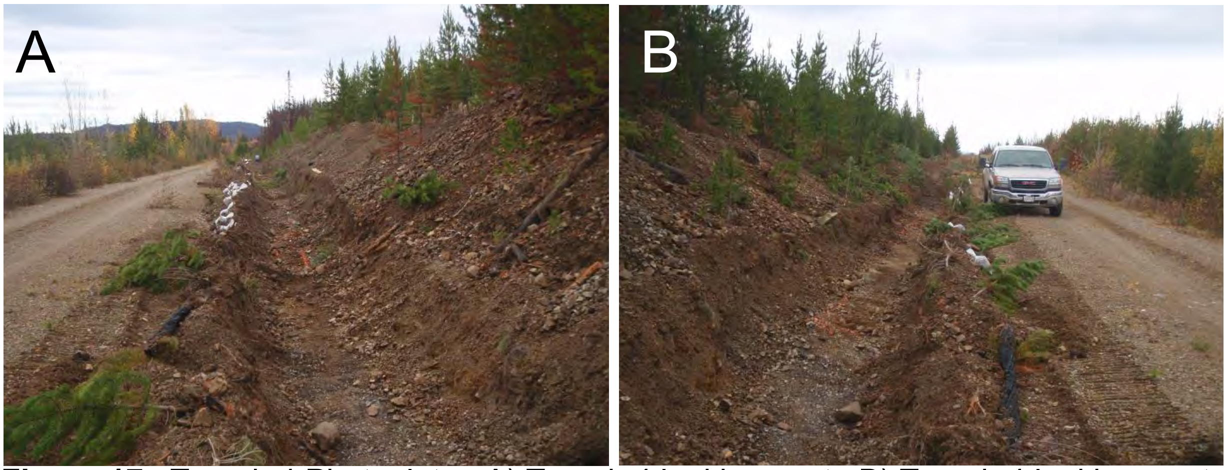

Figure 17. Trench 4 Photoplate. A) Trench 4 looking east. B) Trench 4 looking west.

9.2.6 Trench 5

Trench 5 is located adjacent to a secondary logging access road within a cut block and exposes similar rocks and alteration as Trench 4. The trench encountered gray hard siliceous hornfelsed sedimentary rocks and gray and black limestone. Patchy skarn zones with pyroxene or actinolite, and minor chlorite and rhodocrosite. Thin veinlets containing pyrite along with chalcopyrite and sphalerite occur locally. Twenty seven chip samples were taken from the trench, the locations are shown in Figure 18 and assay results are listed in Table 8.

The trench contains patchy elevated Zn values over its length but nothing approaching ore grade. Samples 5623535 to 38 consist of 4 continuous 1.5m chip samples within a zone of pyroxene skarn containing minor visible sphalerite. The interval returned 0.17% Zn over 6m.

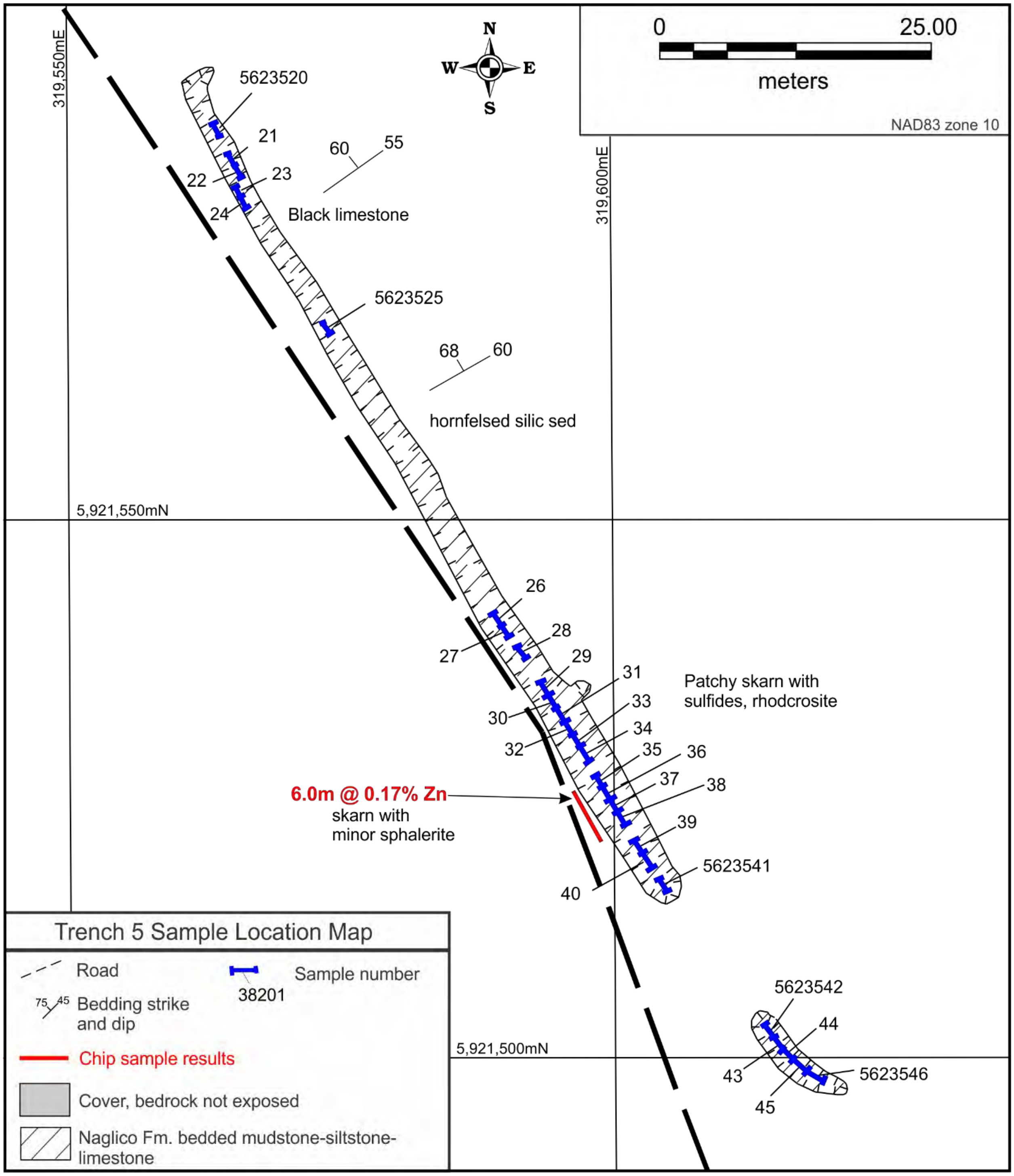

Figure 18. Trench 5 sample location map.

Table 8. Assay results from Trench 5

Sample	Sample type	Length (m)	Cu ppm	Zn ppm	Ag ppm	WO3 ppm	Mo ppm	Au ppb
5623520	chip	1.5	127	969	0.9		6	< 5
5623521	chip	1.5	26	139	< 0.2		< 2	13
5623522	chip	1.5	32	317	< 0.2		6	< 5
5623523	chip	1.5	115	225	0.9		7	49
5623524	chip	1.5	115	1700	0.6		5	14
5623525	chip	1.5	179	98	0.2		3	< 5
5623526	chip	1.5	72	192	< 0.2		5	< 5
5623527	chip	1.5	169	400	0.2		9	< 5
5623528	chip	1.5	231	1850	1.9		< 2	< 5
5623529	chip	1.5	372	595	0.9		6	< 5
5623530	chip	1.5	113	221	0.3		4	< 5
5623531	chip	1.5	37	36	< 0.2		3	< 5
5623532	chip	1.5	34	62	< 0.2		3	< 5
5623533	chip	1.5	27	30	< 0.2		7	< 5
5623534	chip	1.5	47	51	< 0.2		5	< 5
5623535	chip	1.5	203	1250	2.3		10	20
5623536	chip	1.5	235	2390	2.6		< 2	< 5
5623537	chip	1.5	87	1720	0.4		< 2	< 5
5623538	chip	1.5	64	1320	< 0.2	8	4	< 5
5623539	chip	1.5	114	155	< 0.2		3	< 5
5623540	chip	1.5	85	519	0.6		7	< 5
5623541	chip	1.5	111	24	< 0.2		3	13
5623542	chip	1.5	101	206	0.8	10	< 2	< 5
5623543	chip	1.5	109	153	0.2		2	< 5
5623544	chip	1.5	325	79	0.3		< 2	< 5
5623545	chip	1.5	479	217	0.5	13	5	< 5
5623546	chip	1.5	1010	210	1.4	34	3	17

Figure 19. Trench 5 Photoplate. A) Trench 5 looking northwest. B) Trench 5 looking southeast.

9.2.7 Trench 6

Trench 6 was located to test the Naglico Formation bedded sedimentary rocks for skarn mineralization adjacent to the fine grained feldspar-biotite-hornblende intrusion, and to examine the intrusive itself. The trench did encounter patchy actinolite and garnet skarn with trace to 10% pyrrhotite pyrite, chalcopyrite, and sphalerite, within the sedimentary rocks adjacent to the intrusive contact, but no mineralization approaching ore grade was encountered, and intensity of skarning was not noticeably stronger than that in trenches 2, 4 or 5.

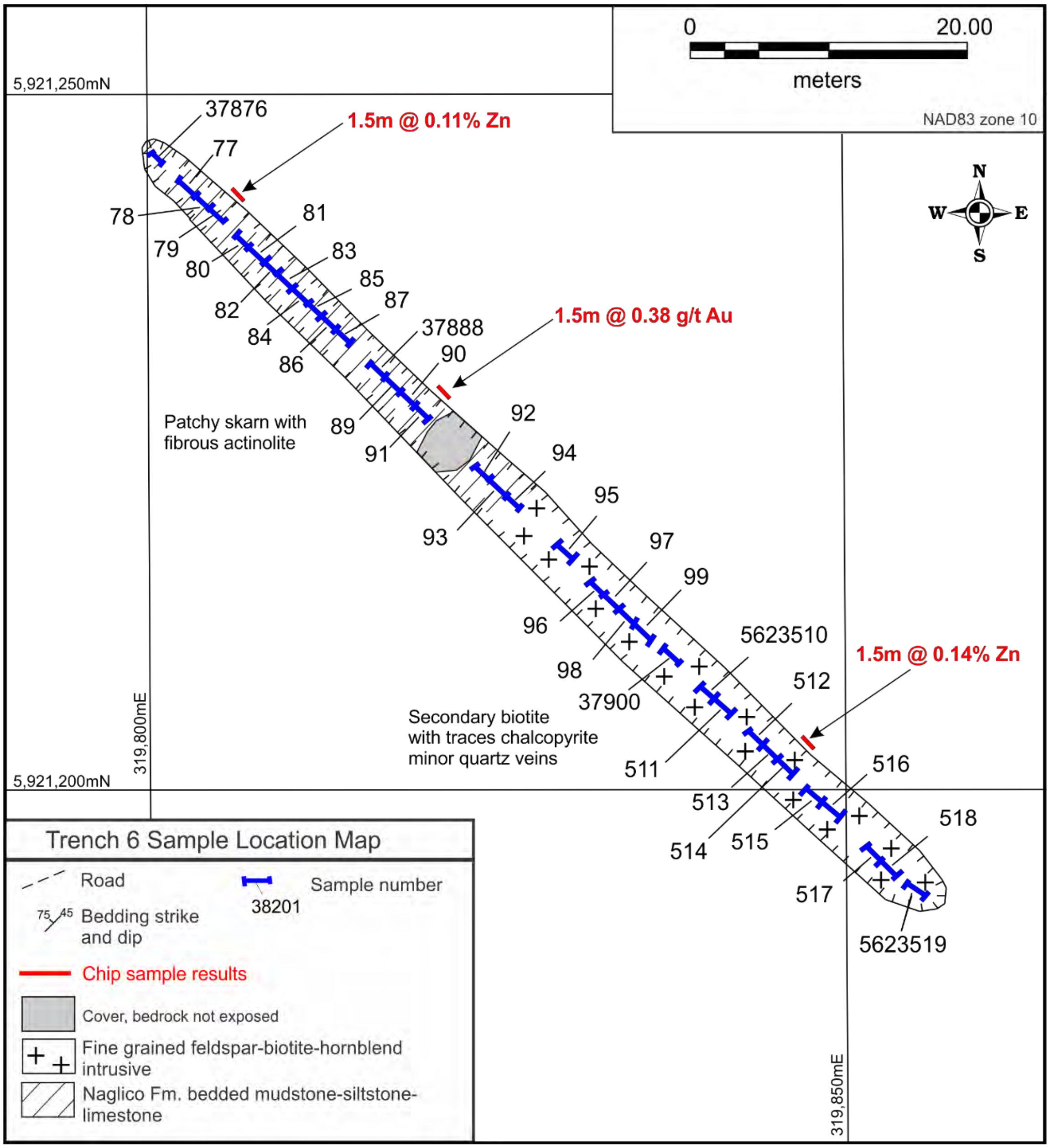

Figure 20. Trench 6 sample location map.

Thirty five chip samples were taken from Trench 6, their locations are shown on Figure

20 and assay results are listed in Table 9. Two samples associated with skarn alteration in the sedimentary rocks had anomalous results with sample 37879 from the west end of the trench returning 0.11% Zn over 1.5m and sample 37891 returning 0.38 g/t Au over 1.5m. Sample 5623514 from within the intrusive returned 0.14% Zn over 1.5m.

The trench has uncovered secondary biotite alteration and thin quartz-sulfide veins with traces of chalcopyrite within the intrusion, however, no significant grades were encountered.

Table 9. Assay results from Trench 6

Sample	Sample type	Length (m)	Cu ppm	Zn ppm	Ag ppm	WO3 ppm	Mo ppm	Au ppb
37876	chip	1	82	65	0.2		3	< 5
37877	chip	1.5	114	158	0.5		< 2	< 5
37878	chip	1.5	91	237	0.6		2	< 5
37879	chip	1.5	72	1090	2	20	< 2	< 5
37880	chip	1.5	62	406	0.5		< 2	< 5
37881	chip	1.5	73	200	0.3		< 2	< 5
37882	chip	1.5	85	579	0.3		< 2	< 5
37883	chip	1.5	96	365	0.3		< 2	< 5
37884	chip	1.5	82	155	0.3		< 2	82
37885	chip	1.5	68	87	0.8		3	9
37886	chip	1.5	86	635	0.3		< 2	< 5
37887	chip	1.5	118	547	1.1		7	< 5
37888	chip	1.5	213	76	0.3		5	51
37889	chip	1.5	92	600	0.4		2	< 5
37890	chip	1.5	116	121	0.2		3	< 5
37891	chip	1.5	290	115	0.5		13	377
37892	chip	1.5	81	325	< 0.2	24	67	< 5
37893	chip	1.5	45	46	< 0.2		< 2	< 5
37894	chip	1.5	84	79	< 0.2		< 2	< 5
37895	chip	1.5	36	77	< 0.2		< 2	< 5
37896	chip	1.5	31	105	< 0.2		< 2	7
37897	chip	1.5	44	91	< 0.2		< 2	< 5
37898	chip	1.5	149	57	0.2		< 2	< 5
37899	chip	1.5	66	57	< 0.2		< 2	< 5
37900	chip	1.5	19	38	< 0.2		< 2	< 5
5623510	chip	1.5	74	34	< 0.2		3	20
5623511	chip	1.5	39	63	< 0.2		< 2	< 5
5623512	chip	1.5	56	116	< 0.2		< 2	< 5
5623513	chip	1.5	53	162	< 0.2		< 2	< 5
5623514	chip	1.5	134	1400	0.7	25	5	84
5623515	chip	1.5	60	142	< 0.2		< 2	< 5
5623516	chip	1.5	115	81	< 0.2		< 2	5
5623517	chip	1.5	8	116	< 0.2		< 2	< 5
5623518	chip	1.5	42	95	< 0.2		< 2	< 5
5623519	chip	1.5	75	37	< 0.2		< 2	< 5

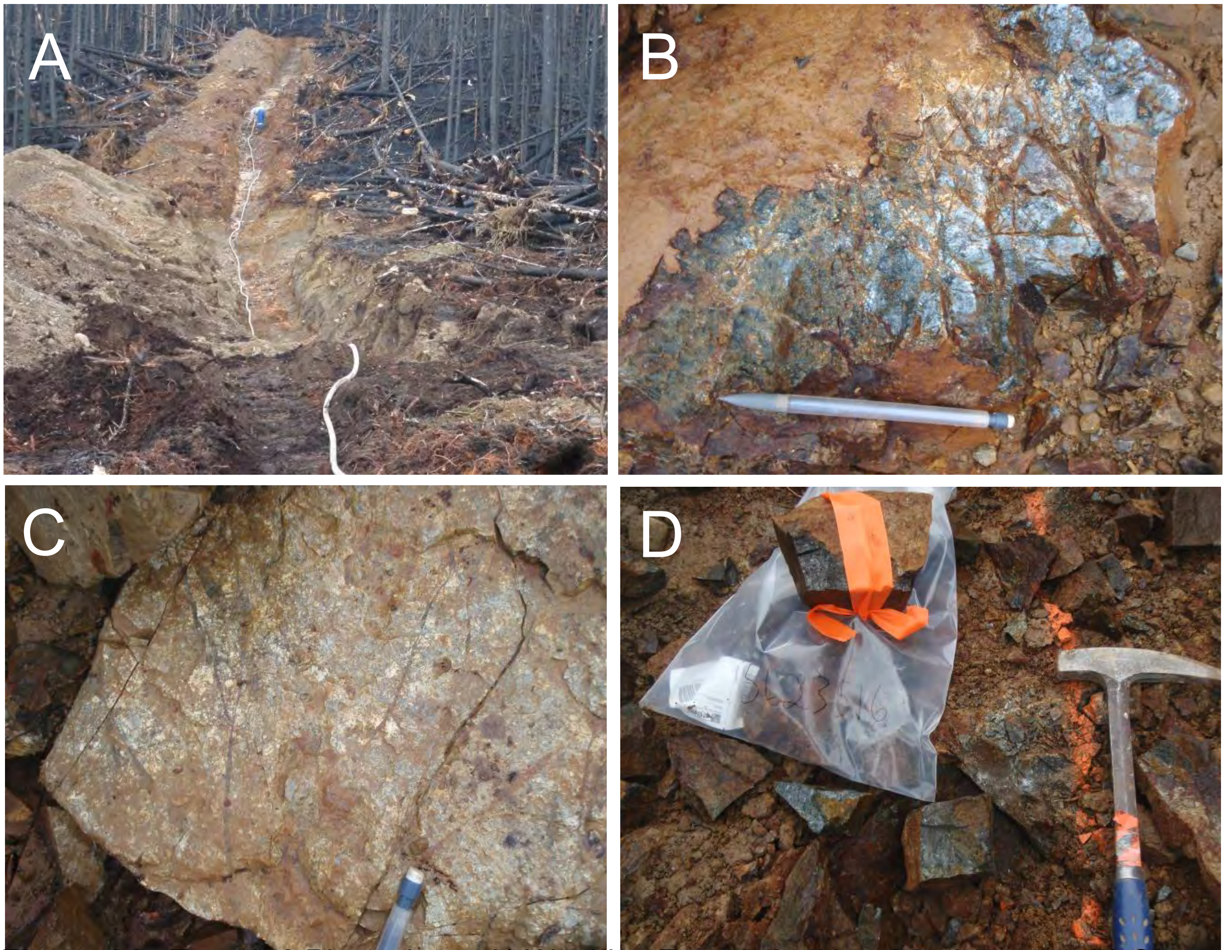

Figure 21. Trench 6 Photoplate. A) Washing Trench 6 with a 2 inch pump. B) Quartz stockwork and sulfide veinlets within fine grained intrusive. C) Thin hairline quartz veinlets cutting fine grained intrusive. D) Fine grained intrusive with 30% fine grained biotite and 3% pyrrhotite-pyrite and trace chalcopyrite.

9.2.8 Trench 7

Trench 7 was the southern most trench in the program and was designed as another test of the sedimentary-intrusive contact along with a better look at the fine grained intrusion. Due to thick till the trench did not expose sedimentary rocks near the intrusive contact but the trench did expose portions of the fine grained intrusion. No significant zones of mineralization were found within the intrusion and only 3 grab samples were taken from the trench which returned no significant values.

The intrusive exposed in the trench was fine grained and locally siliceous containing 2% disseminated pyrrhotite and up to 2% pyrite-pyrrhotite along fractures. The rock is mainly equigranular, but locally has 1-2mm feldspar phenocrysts in a dark fine grained biotite rich matrix.

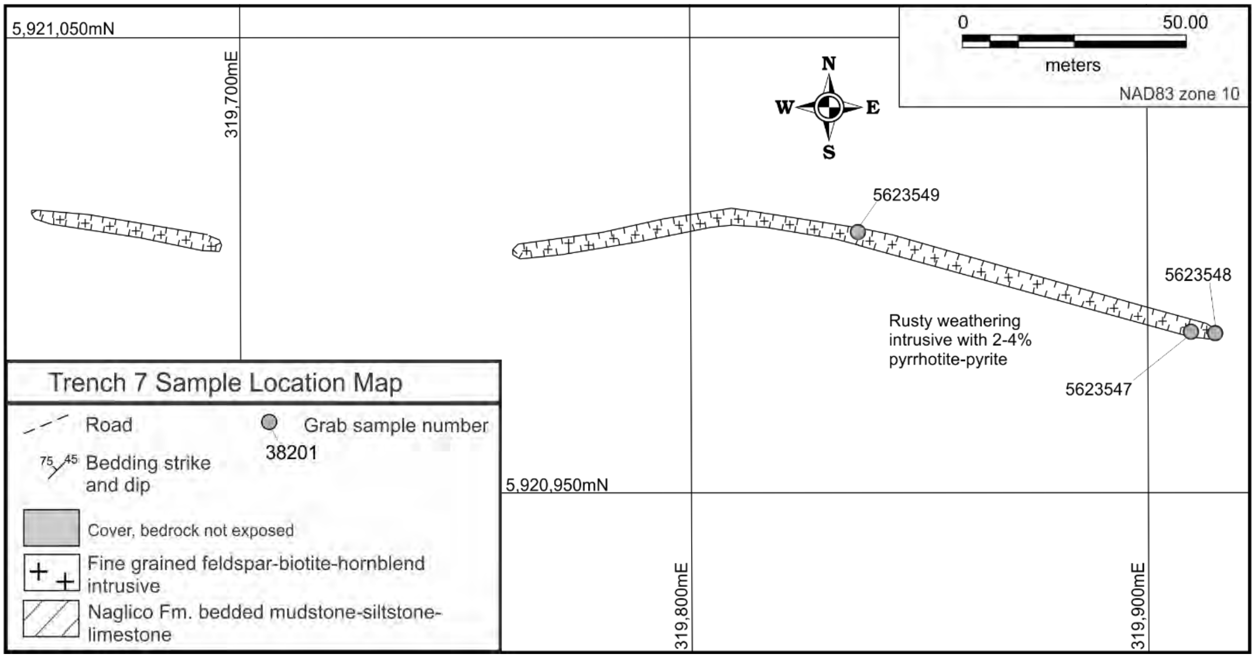

Figure 22. Trench 7 sample location map.

Table 10. Assay results from Trench 7

Sample	Sample type	Length (m)	Cu ppm	Zn ppm	Ag ppm	WO3 ppm	Mo ppm	Au ppb
5623547	grab		87	49	< 0.2		< 2	< 5
5623548	grab		53	236	< 0.2		< 2	< 5
5623549	grab		63	43	< 0.2		< 2	< 5

10.0 Adjacent Properties

There are no large deposits in the vicinity of the Ches property however numerous producing, past producing or advanced stage deposits occur within a 100 km radius and there location is shown on Figure 3. These include: 1) The Huckleberry mine (093E 037) which has been in production since October, 1997. Published reserves for the deposit in 2010 were Proven and Probable reserves totaling 14.01 million tonnes grading 0.362% Cu, 0.005% Mo, Measured and Indicated reserves of 182.9M tonnes grading 0.321% Cu and Inferred reserves of 45.4M tonnes grading 0.288% Cu. Reserves were calculated with 0.20% Cu cutoff grade. 2) The Poplar deposit (093L 239) which contains a non 43-101 compliant Measured resource of 75M tonnes grading 0.35% Cu, 0.06% Mo and 2.8g/t Ag within a global (unclassified) resource of 144.12M tonnes grading 0.368% Cu and 0.011% Mo. The deposit occurs in a Middle-Late Cretaceous Bulkley intrusion intruding into Lower-Middle Hazelton Group volcanics. 3) The Equity Silver mine (093L 001) operated from 1981-1994 and mined 33.8M tonnes with an average grade of 0.4% Cu, 64.9g/t Ag and 0.46g/t Au. The open pit and underground operation mined tabular fracture zones 30-100m thick comprised of primarily veins and with only minor disseminations of sulphides. 4) Since 1965, the Endako mine (093K 006) has produced 234,416,569kg of molybdenum from 359,063,162 tonnes milled. In February, 2011 Proven reserves were reported as 131,916,000 tonnes grading 0.047% Mo, with Probable reserves of

150,258,000 tonnes grading 0.046% Mo, combined (Measured and Indicated) resources of 80,184,000 tonnes grading 0.034% Mo and Inferred resources of 55,781,000 tonnes grading 0.037% Mo. The deposit is an elongate stockwork of quartz-molybdenite veins hosted in the Late Jurassic Francois Lake batholith. 5) The Blackwater deposit (93F 037) hosts proven and probable mineral reserves totaling 294 million tonnes grading 0.79 g/t Au and 4.7 g/t Ag. Low• -grade, disseminated gold and silver mineralization at Blackwater occurs in volcanic rocks of the Hazelton Group. The presently defined zone is up to 400 metres thick and occurs at relatively shallow depth. The rocks are extensively hydro• - fractured, silicified and shot through with fine-grained pyrite and other sulphide minerals (primarily pyrrhotite, sphalerite, and chalcopyrite).

11.0 Conclusions and Recommendations

The 2014 Ches Property trenching program was designed to test the area surrounding the known Exo showing for shallow zones of mineralization. The program successfully exposed zones of hornfelsing, patchy skarning, and weak and patchy mineralization over an area 1.5km by 0.5km. In some areas thick glacial till prevented testing of bedrock by trenching.

A total of 274 samples, mostly representative chip samples, were collected during the program and assayed for gold and 25 elements, including W by INAA. The West end of Trench 2 returned chip samples grading 0.33% copper, 3.73 g/t silver and 0.03% WO_3 over 4.5 metres (samples 38246, 47, 48), including 0.61% copper, 7.4 g/t silver, and 0.05% WO_3 over 1.5 metres (sample 38247). This is the most significant result obtained from the 2014 trenching program, and show Cu mineralization over a modest width. Sample 38262, from the middle of Trench 2 also returned elevated Cu grading 0.34% Cu and 2.8 g/t Ag over 1.5m. Zinc was the most common metal encountered sporadically in many of the trenches, with typical highs in the 0.1 to 0.2% range. Trench 5 returned a 6m interval grading 0.17% Zn (samples 5623535 to 38) which was the widest anomalous Zn intercept from any of the trenches. A 1.5 metre chip sample from the Exo road quarry returned 1.25% Zn, 0.16% Cu, 0.12% WO_3, and 2.6 g/t Ag. Sample 37891 from trench 6 returned 0.38 g/t Au over 1.5m, which was the only significant gold results obtained from bedrock sampling

A selective grab sample taken from the Trench 5 area prior to trenching (sample 5623325) returned 0.33% copper, 0.1% WO_3, 0.21% zinc, and 5.2 g/t silver. Trenching and representative chip sampling in Trench 5, in proximity to the grab sample, failed to repeat these types of grades although narrow zones (5 to 20cm) with significant visible chalcopyrite can be found in the trench. This result is consistent with historic grabs from the Exo area which have returned significant grades, whereas representative chip sampling indicates these higher grades are localized and do not carry over significant widths.

No convincing changes in skarning/alteration, mineralogy, mineralization have been noted across the property, and therefore no potential vectors toward zones where stronger alteration or mineralization might occur have been identified. The easy road access allows this area to be explored in a cost effective manner by surface trenching and geophysics, and the large zone of alteration containing patchy anomalous Zn and Cu, with favorable carbonate host rocks and prospective Bulkley Suite intrusives, has potential to host zones of economic mineralization. However, in the current metal price environment and with current market conditions no further work is recommended for this property.

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Ches Property Evaluation Report Page 26 5/30/2011

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13.0 Statement of Expenditures

During the 2014 season Northern Abitibi spent $47,580.35 Can. at Ches as follows:

Personnel-position	Field days (dates)	Unit	Quantity	Unit Price	Subtotal
Shane Ebert (Geologist)	Sept 26-28, Oct 2-5, 17-19	day	10	650	6500.00
Michael Charlie (Assistant)	Oct 3-5, 17-19	day	6	400	2400.00
Ralph Keefe (Prospector)	Oct 17, 18	day	1.5	400	600.00
Brian Keefe (Prospector)	Oct 17, 18	day	1.5	400	600.00

Field Costs	Field days (dates)	Unit	Quantity	Unit Price	Subtotal
Excavator	Oct 3-5, 17-19	hours	37	165	6105.00
Excavator opperator travel	Oct 3-5, 17-19	hours	12	82.5	990.00
Excavator mob and demob	Oct 3, Oct 20	trips	2	1200	2400.00
Barge Across Ootsa Lake	Sept 26 to Oct 20	trip	13	1000	13000.00
Truck mileage	Sept 26-28, Oct 2-5, 17-19	km	1350	0.42	567.00
ATV	Sept 26-28, Oct 2-5, 17-19	day	10	75	750.00
Food and Lodging	Sept 26-28, Oct 2-5, 17-19	man day	14	50	700.00
Satellite phone	Sept 26-28, Oct 2-5, 17-19				200.00
Water pump and hose	Oct 3-5, 17-19				125.00
Field supplies					350.00
Rock Geochemistry	Actlabs Kamloops	sample	274	37.75	10343.35

Compilation / Report Writing		Unit	Quantity	Unit Price	Subtotal
Shane Ebert (Geologist)	Jan 2015	day	3	650	1950.00
				Total	**$47,580.35**

Appendix A – Assay Sample Descriptions

Sample number	East NAD83Z10	North NAD83Z10	Year	Location	Sample type	Sample type 2	Length (m)	Description
5623323	320329	5921628	2014	beside road	representative grab	subcrop		Rusty weathering hard hornfelsed sed with 1-2% sulfide, weakly magnetic Po, minor ccpy, some thin qtz veinlets
5623324	320055	5921639	2014	beside road	representative grab	subcrop		Hard siliceous hornfelsed sed with 2-4% Po, trace ccpy, cut by qtz veinlets, minor actinolite, minor yellow crystalline epidote (?)
5623325	319599	5921520	2014	old road	grab	float		Gray hard f.g. siliceous rock with some green actinolite, 1-3% Po, 0.5% ccpy, trace moly?
5623326	319618	5921525	2014	cut block	grab	subcrop		Large boulder, subcrop, light white-gray siliceous-bedded sed cut bythin qtz veinlets, cherty with 1-2% sulfides
5623327	319605	5921526	2014	cut block	grab	subcrop		Gray to maroon, hard siliceous hornfelsed sed with Po-ccpy along fractures
5623328	319455	5921495	2014	cut block	grab	outcrop		light gray siliceous hornfelsed, 1-3% sulfides, minor ccpy, some pale green circular radiating actinolite (?) crystals
5623329	319346	5921139	2014	cut block	grab	float boulders		Abundant angula boulders, maroon to gray f.g. hornfelsed sed cut by sulfide and qtz-sulfide veinlets, non magnetic, mostly py-po some ccpy.
5623330	320158	5921228	2014	burnt forest	representative grab	outcrop		Intrusive with 3mm green actinolite veins with sulfide casts and rusty surfaces. Feldspar phenos in a dark amphibole-bio-plag matix with weak chlorite alt and rare suggary qtz veins.
5623331			2014	burnt forest	representative grab	float		this sample was taken in the Ches intrusive area but location not recorded in fieldbook
5623332	319308	5921609	2014	beside road	composite grab	outcrop		fine 1-2mm qtz grains in med grained rock, some qtz veins, 1-2% sulfides trace ccpy, probably a gritty sandstone.
38201	319936	5921619	2014	Exo Quarry	chip	outcrop	2	Start east end of pit, line trending west. Gray green silceous to cherty bedded sed rock trace actinolite, 2-5% sulfide dissem and in veinlets.
38202	319932.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	2m gap with 38201. gray white and green bedded sed, 2-3% sulfides, some ccpy in sulfide veinlets
38203	319931	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38202, same as 38202.
38204	319929.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38203, same as 38202.
38205	319928	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38204, same as 38202.
38206	319926.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38205, same as 38202.
38207	319925	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38206, same as 38202.

38208	319923.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38207, same as 38202.
38209	319922	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38208, same as 38202.
38210	319920.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38209, same as 38202.
38211	319919	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38210, same as 38202.
38212	319917.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38211, same as 38202.
38213	319916	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38212, same as 38202.
38214	319914.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38213, same as 38202.
38215	319913	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38214, same as 38202, hard siliceous bedded sed with more sulfides and more ccpy than in prevous samples
38216	319911.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38215, same as 38202.
38217	319910	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38216, same as 38202.
38218	319908.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38217, same as 38202.
38219	319907	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38218, epidote, brown garnert, and dark green actinolite skarn
38220	319905.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38219, epidote, brown garnert, and dark green actinolite skarn
38221	319904	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38220, epidote, brown garnert, and dark green actinolite skarn
38222	319902.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38221, same as 38215.
38223	319901	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38222, 1m garnet-epidote skarn
38224	319899.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38223, same as 38215.
38225	319898	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38224, same as 38215.
38226	319896.5	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38225, same as 38215.
38227	319895	5921619	2014	Exo Quarry	chip	outcrop	1.5	Consective with 38226, same as 38215. Last sample to west.
38228	319994	5921629	2014	Trench 2	chip	outcrop	1.5	West end of sample line trending 90 deg (east). Black cherty siliceous sed with thin qtz veinlets but <1% sulfide.
38229	319995.5	5921628.5	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38228. Gray green silceous sedwith 1-3% sulfide, 1 to 2 qtz veinlets per metre.
38230	319998	5921628	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38229. Grat-green siliceous, 2-4% sulfide, minor epidote-actinolite +/- chlorite
38231	319999.5	5921627	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38230. Same as 38230
38232	320003	5921626.5	2014	Trench 2	chip	outcrop	1.5	2m gap with 38231. Mixed light and dark green, hard siliceous, 3-5% sulfide Po-py trace ccpy, epidote-actinolite

38233	320004.5	5921626	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38232. Same as 38232 zones with strong yellow jarosite
38234	320006	5921625.5	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38233. Same as 38233 with jarosite
38235	320007.5	5921625.5	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38234. Same as 38229
38236	320010	5921625	2014	Trench 2	chip	outcrop	1.5	1m gap with 38235. Same as 38229, sulfide rich zone
38237	320011.5	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38236. Same as 38229
38238	320014	5921625	2014	Trench 2	chip	outcrop	1.5	1m gap with 38237. Dark gray to green minor sulfide veinlets
38239	320017.5	5921625	2014	Trench 2	chip	outcrop	1.5	2m gap with 38238. Hard siliceous bedded sed, cm scale bedding, green actinolite, qtz-sulf veinlets
38240	320019	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38239. light gray to light green siliceous hard sed, 2-4% sulfides dissem and py-po veins with traces ccpy, minor qtz-sulf veinlets
38241	320020.5	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38240. light gray to light green siliceous hard sed, 2-4% sulfides dissem and py-po veins with traces ccpy, minor qtz-sulf veinlets
38242	320019.5	5921625	2014	Trench 2	chip	outcrop	1.5	19m gap with 38241. white, light gray, siliceous, 1% sulfide along fractures
38243	320021	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38242. Same as 38242
38244	320022.5	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38243. Light and tan, and green-gray, 2-3% sulfide on fractures, minor actinolite
38245	320025.5	5921625	2014	Trench 2	chip	outcrop	1.5	1.5m gap with 38244. Light gray and green with qtz sulfide veinlets, 2-4% sulfide, Po-py-ccpy
38246	320028	5921625	2014	Trench 2	chip	outcrop	1.5	1m gap with 38245. Same as 28245
38247	320029.5	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38246. Same as 38245
38248	320031	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38247. Same as 38245, veins with moly seen in zone
38249	320032.5	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38248. Pale green, lots py veins, trace peacock irredescent sulfide, bornite?
38250	320035	5921625	2014	Trench 2	chip	outcrop	1.5	1m gap with 38249, green to dark gray, with 1cm Po-qtz vein
38251	320036.5	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38250. Black, hard siliceous minor sulfide
38252	320038	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38251. Dark gray, hard siliceous minor veinlets
38253	320044.5	5921625	2014	Trench 2	chip	outcrop	1.5	5m gap with 38252. dark gray, hard siliceous, hornfelsed, minor sulfide
38254	320048	5921625	2014	Trench 2	chip	outcrop	1.5	2m gap with 38253. light to dark gray, sulfide veins, minor qtz veins
38255	320051	5921625	2014	Trench 2	chip	outcrop	1	2m gap with 38254. Gray green, hard siliceous hornfelsed sediment, with qtz-sulf veinlets, 1-3% sulfide

38256	320052.5	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38255. Same as 38255
38257	320055.5	5921625	2014	Trench 2	chip	outcrop	1.5	1.5m gap. Same as 38255
38258	320058.5	5921625	2014	Trench 2	chip	outcrop	1.5	1.5m gap. Rubble weathered, highly fractured pale green f.g. pyroxene skarn?
38259	320061.5	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38258. Rubble weathered, highly fractured pale green f.g. pyroxene skarn?
38260	320063	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38259. Rubble weathered, highly fractured pale green f.g. pyroxene skarn?
38261	320064.5	5921625	2014	Trench 2	chip	outcrop	1.5	Consecutive with 38260. Rubble weathered, highly fractured pale green f.g. pyroxene skarn?
38262	320165	5921624	2014	Trench 2 mid	chip	outcrop	1.5	New line west most sample. Gray siliceouspy-po rich rock, some pale green pyroxene?, some qtz sulf veinlets
38263	320166.5	5921624	2014	Trench 2 mid	chip	outcrop	1.5	Consecutive with 38262. Gray green, some dark green actinolite?, 2-4% sulfide minor qtz-sulf veinlets
38264	320168	5921623.5	2014	Trench 2 mid	chip	outcrop	1.5	Consecutive with 38263. Same as 38263 with pale green pyroxene skarn
38265	320169.5	5921623.5	2014	Trench 2 mid	chip	outcrop	1.5	Consecutive with 38264. Same as 38264.
38266	320325	5921624	2014	Trench 2 East	chip	outcrop	1.5	Start west side. Rusty weathering, friable pale green sed or pyroxene skarn, oxidized, no sulfide
38267	320326.5	5921624	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38266. F.g. hard, gray to green with 2-4% sulfide
38268	320328	5921624	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38267, same as 38267
38269	320329.5	5921623.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38268. Gray hard, f.g. with minor amounts of f.g. feld-qtz intrusive, 2% sulfide
38270	320331	5921623.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38269, same as 38268
38271	320334.5	5921623.5	2014	Trench 2 East	chip	outcrop	1.5	2m gap with 38270. Dark hard f.g. siliceous with 2-4% sulfide and qtz veins str 50 deg dip 80 deg W
38272	320336	5921623.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38271, same as 38271
38273	320337.5	5921623	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38272, pale green to beige siliceous highly fractured rock, oxidized with no sulfides, "pyroxene skarn?"
38274	320339	5921623	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38273, same as 38273
38275	320340.5	5921623	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38274, same as 38273
38276	320342	5921623	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38275, same as 38273
38277	320343.5	5921623	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38276, same as 38273
38278	320345	5921623	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38277, same as 38273

38279	320346.5	5921623	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38278, mixed dark hard siliceous with 2-4% sulfide and some pale green as above
38280	320348	5921623	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38279, dark gray and dark green siliceous hard rock with 4% sulfide
38281	320349.5	5921622.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38280, dark gray and dark green siliceous hard rock with 4% sulfide
38282	320351	5921622.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38281, dark gray and dark green siliceous hard rock with 4% sulfide
38283	320352.5	5921622.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38282, dark gray and dark green siliceous hard rock with 4% sulfide, patch of feldspar pheric intrusive or volcanic
38284	320354	5921622.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38283, light gray and green with dark green, 2-4% sulfides and some qtz and sulfide veinlets
38285	320355.5	5921622.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38284, light gray and green with dark green, 2-4% sulfides and some qtz and sulfide veinlets
38286	320357	5921622.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38285, light gray and green with dark green, 2-4% sulfides and some qtz and sulfide veinlets
38287	320358.5	5921622.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38286, light gray and green with dark green, 2-4% sulfides and some qtz and sulfide veinlets
38288	320361.5	5921622.5	2014	Trench 2 East	chip	outcrop	1.5	1.5m gap, light gray and green with dark green, 2-4% sulfides and some qtz and sulfide veinlets
38289	320363	5921622.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38288, gray highly siliceous felp pheric intrusive, 2-3mm feld, texture destructive alteration, perhaps 1m wide dike or sill
38290	320372.5	5921622	2014	Trench 2 East	chip	outcrop	1.5	8m gap. Medium to dark gray-green 2-4% sulfide in veins and dissem, minor qtz veins
38291	320374	5921622	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38290, same as 38290
38292	320375.5	5921621.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38291, same as 38290
38293	320378.5	5921621.5	2014	Trench 2 East	chip	outcrop	1.5	1.5m gap. Same as 38290
38294	320380	5921621.5	2014	Trench 2 East	chip	outcrop	1.5	Consecutive with 38293, same as 38290
38295	320385.5	5921621.5	2014	Trench 2 East	chip	outcrop	1	4m gap, end of sample line. Same as 38290 with minor intrusive
38296	320795	5921473	2014	Trench 1	chip	outcrop	1.5	Start line west end. Black hard, f.g. rock, patchy magnitism, very little sulfide
38297	320796.5	5921472.5	2014	Trench 1	chip	outcrop	1.5	Consecutive with 38296. Black very f.g. with patches of skarn with 20% brown garnet, minor sulfides

38298	320797.7	5921471.9	2014	Trench 1	chip	outcrop	1.5	Consecutive with 38297. mixed black and f.g. gray, sulfide bearing, calc silicates
38299	320798.7	5921471.4	2014	Trench 1	chip	outcrop	1.5	Consecutive with 38298. same as 38298 patches with 20% sulfide
38300	320799.8	5921470.7	2014	Trench 1	chip	outcrop	1.5	Consecutive with 38299. Black fine grained with sub mm feldspar crystals, volc or dike? 1-3% f.g. dissem sulfides and sulfides along fractures
5623460	320800.9	5921470.1	2014	Trench 1	chip	outcrop	1.5	Consecutive with 38300. Same as 38300
5623461	320802	5921469.5	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623460. Gray f.g. siliceous hard, some sulfide rich sections, pyroxene +/- actinolite
5623462	320803	5921468.9	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623461. Gray f.g. siliceous hard, some sulfide rich sections, pyroxene +/- actinolite
5623463	320804.1	5921468.4	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623462. F.g. pale green pyroxene skarn? Minor sulfides, patchy gray sulfide rich rocks.
5623464	320805.2	5921467.7	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623463. F.g. pale green pyroxene skarn? Minor sulfides, patchy gray sulfide rich rocks.
5623465	320806.3	5921467.1	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623464. F.g. pale green pyroxene skarn? Minor sulfides, patchy gray sulfide rich rocks.
5623466	320807.3	5921466.5	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623465. F.g. pale green pyroxene skarn? Minor sulfides, patchy gray sulfide rich rocks.
5623467	320820.5	5921459.1	2014	Trench 1	chip	outcrop	1.5	13.5m gap. Gray to maroon f.g. hard cherty, minor qtz and sulfide veinlets, 1-2% sulfide
5623468	320821.4	5921458.5	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623467. same as 5623467
5623469	320822.5	5921457.9	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623468. same as 5623467
5623470	320823.6	5921457.3	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623469. same as 5623467
5623471	320824.7	5921456.7	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623470. same as 5623467
5623472	320825.9	5921456	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623471. same as 5623467
5623473	320827	5921455.3	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623472. Mottled gray with brown garnet, hard siliceous rock, minor pyroxene, 1-2% sulfide
5623474	320828	5921454.8	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623473. Light colored possibly texturally destroyed intrusive, faint feldspar, minor sulfides
5623475	320832.4	5921452.4	2014	Trench 1	chip	outcrop	1.5	4m gap. Siliceous patchy skarned intrusion, only trace sulfides
5623476	320833.4	5921451.9	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623475. same as 5623475

5623477	320834.4	5921451.3	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623476. fine grained intrusive with 1% sulfide
5623478	320835.7	5921450.7	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623477. fine grained intrusive with 1% sulfide
5623479	320836.8	5921450	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623478. fine grained intrusive with 1% sulfide and bits of skarn mixed in
5623480	320837.9	5921449.4	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623479. fine grained intrusive with 1% sulfide and bits of skarn mixed in
5623481	320838.9	5921448.8	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623480. Intrusive with minor malachite staining and mixed f.g. rock with sulfides
5623482	320840	5921448.3	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623481. Intrusive with minor pyrite
5623483	320841.2	5921447.6	2014	Trench 1	chip	outcrop	1.5	Consecutive with 5623482. Intrusive some chlorite alteration minor pyrite, feldspar with 2-5% biotite, texture partially masked
37801	320144	5921377	2014	Trench 3	chip	outcrop	1.5	Start line south end.F.g. gray, maroon, and green, 2mm feld crystals, 5-30% bio or hnbl, locally alt to chlorite, Ches intrusive, 2-3% sulf along fractures and dissem, thin sulfide-qtz-biotite veinlets tr ccpy
37802	320143.1	5921379.2	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37801. Same as 37801
37803	320142.5	5921380.9	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37802. Same as 37801 texture destructive alteration,silic,bio,hnbl
37804	320141.9	5921382.4	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37803. Gray silic f.g. texture destructive Ches intu?
37805	320141.4	5921383.8	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37804. Silic f.g. intrusive with 5-10% secondary biotite, patchy chlorite alteration, 1-3% sulf, tr ccpy
37806	320140.7	5921385.4	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37805. Same as 37805, qtz-sulfide moly veinlet tr ccpy?
37807	320140.3	5921387	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37806. Siliceous f.g., rock type uncertain, 2-4% Po-Py trace ccpy? Chlorite alt
37808	320139.7	5921388.4	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37807. Siliceous f.g. feldspars, difficult to see texture, some bio locally alt to chlorite, 2-4% sulfide tr ccpy
37809	320139.2	5921389.8	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37808. Siliceous 2-4% sulf f..g dissem Po, secondary bio locally alt to chlorite, sulf veinlets, weak qtz veinlets, intru?
37810	320138.6	5921391.3	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37809. Siliceous 2-4% sulf f..g dissem Po, secondary bio locally alt to chlorite, sulf veinlets, weak qtz veinlets, intru?
37811	320138	5921392.7	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37810. F.g. siliceous intrusion, gray f.g. patches, 2-3% sulf

37812	320136.7	5921396.3	2014	Trench 3	chip	outcrop	1.5	2m gap from 37811. Gray f.g. highly siliceous probably intrusive but texture obliterated, 2-3% sulf
37813	320136.2	5921397.7	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37812. Same as 37812
37814	320135.7	5921399.2	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37813. Gray f.g. silic intrusive with chlorite, 2-3% sulf
37815	320134.5	5921402.2	2014	Trench 3	chip	outcrop	1.5	1.5m gap with 37814. Same as 37814
37816	320133.9	5921403.7	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37815. Same as 37815
37817	320132.7	5921406.7	2014	Trench 3	chip	outcrop	1.5	1.5m gap with 37816. Dark gray green silic intrusive with bio, locally chlorite, tr actinolite, 2-3% sulf
37818	320132.2	5921408.2	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37817. Same as 37817
37819	320130.8	5921411.8	2014	Trench 3	chip	outcrop	1.5	2m gap with 37818. f.g. silic intrusive with bio chlor, sulfides along fractures py-po trace ccpy
37820	320130.3	5921413.3	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37819. Same as 37819
37821	320129.7	5921414.8	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37820. Same as 37820 with f.g. zones
37822	320127.8	5921419.1	2014	Trench 3	chip	outcrop	1.5	3m gap with 37821. f.g. intrusive with biotite, 2-3% sulf, bio and amph rich sections
37823	320127.1	5921420.5	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37822. Same as 37822
37824	320126.6	5921421.8	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37823. Same as 37823
37825	320125.9	5921423.2	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37824. Same as 37824 with f.g. zones
37826	320125.2	5921424.8	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37825. Dark very f.g. biotite rich intrusive
37827	320124.5	5921426.3	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37826. Dark and light siliceous very f.g. hard, hornfels sed +/- intrusive patches with 2-3% sulf
37828	320123.9	5921427.6	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37827. f.g. siliceous hard hornfels, 2-3% sulf along fractures
37829	320123.3	5921429	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37828. f.g. Mottled siliceous hard f.g. rock sed? Sulfide along fractures, tr ccpy
37830	320121.7	5921432.2	2014	Trench 3	chip	outcrop	1	2m gap with 37829. dark gray to white mottled f.g sed with 2-3% sulf
37831	320120.2	5921435.3	2014	Trench 3	chip	outcrop	1.5	2m gap with 37830. garnet and pyroxene skarn and f.g. silic sed, 2-3% sulf
37832	320109.4	5921458	2014	Trench 3	chip	outcrop	1.5	23m gap with 37831. Banded f.g sed, hornfelsed, sulf along fractures, minor actinolite
37833	320108.7	5921460	2014	Trench 3	chip	outcrop	1.5	Consecutive with 37832. f.g. Same as 37832
37834	319686	5921621	2014	Trench 4	chip	outcrop	1.5	Start east end of trench. White and dark gray limestone-marble, calcite veins, 10-20% green pyroxene and brown garnet, trace sulfides

37835	319684.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37834. Same as 37834, trace ccpy and moly
37836	319683	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37835. Same as 37835
37837	319681.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37836. F.g. pale green pyroxene skarn
37838	319680	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37837. Same as 37837
37839	319674	5921621	2014	Trench 4	chip	outcrop	1.5	6m gap with 37838. Marble and pyroxene skarn, minor actinolite, calcite veins.
37840	319668	5921621	2014	Trench 4	chip	outcrop	1.5	4.5m gap with 37839. Friable silic seds with pale green pyroxene skarn, minor Fe-Oxides
37841	319661.5	5921621	2014	Trench 4	chip	outcrop	1.5	5m gap with 37840. Silic seds and green actinolite pyroxene skarn minor pink Mn carb, 1-2% sulfides
37842	319647	5921621	2014	Trench 4	chip	outcrop	1.5	13m gap with 37841. pale green silic rubble sed +/- pyroxene skarn, Fe-Oxides
37843	319642.5	5921621	2014	Trench 4	chip	outcrop	1.5	3m gap with 37842. Strong Fe-Ox stain, 2-4% sulfides, tr. Ccpy. Dark gray to green rock, a few pieces have 1-2mm feldspar and biotite crystals. Intrusive or volc, patchy skarn.
37844	319641	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37843, same as 37843.
37845	319639.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37844. White marble with beds of siliceous sed, minor pyroxene and tr sulfides
37846	319638	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37845. Same as 37845, patches of garnet, small bit of f.g. intrusive
37847	319636.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37846. Rusty weathering, partially skarned sed with pyroxene, 1-2% sulfides
37848	319635	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37847. Same as 37847
37849	319631.5	5921621	2014	Trench 4	chip	outcrop	1.5	2m gap. Same as 37847
37850	319620	5921621	2014	Trench 4	chip	outcrop	1.5	10m gap. Pale green and tan rubbly sed rock, Fe-Ox
37851	319618.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37850. Same as 37850
37852	319617	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37851. Same as 37851
37853	319615.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37852. Same as 37852 with some white marble and sphal-ccpy along fractures
37854	319614	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37853. White marble and patchy skarn
37855	319603.5	5921621	2014	Trench 4	chip	outcrop	1.5	9m gap. Pale green to gray silic seds with pyroxene
37856	319600	5921621	2014	Trench 4	chip	outcrop	1.5	2m gap. Gray silic sed Fe-Ox 1% sulfides
37857	319593.5	5921621	2014	Trench 4	chip	outcrop	1.5	5m gap. Gray to dark gray f.g. cherty mud
37858	319592	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37857. Gray and pale sed 1% sulfide

37859	319590.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37858. Same as 37858
37860	319589	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37859. Same as 37859, 10% skarn
37861	319587.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37860. Same as 37860 with gray limestone and thin fractures with ccpy-moly
37862	319586	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37861. Same as 37861
37863	319584.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37862. Same as 37862
37864	319583	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37862. Light to dark gray, hard f.g. siliceous hornfelsed sed, rare actinolite veinlets, sulfides along fractures
37865	319581.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37864. Same as 37864, minor thin qtz-sulfide veinlets
37866	319571	5921621	2014	Trench 4	chip	outcrop	1.5	9m gap. Mottled siliceous rock with thin sulfide veinlets
37867	319564.5	5921621	2014	Trench 4	chip	outcrop	1.5	5m gap. Light green gray friable sed
37868	319562	5921621	2014	Trench 4	chip	outcrop	1.5	1m gap. Pale gray siliceous rock with 10% light brown garnet, 10% pale green pyroxene, 2% sulfides, trace ccpy
37869	319560.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37868. Same as 37868
37870	319559	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37869. Same as 37869
37871	319557.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37870. Same as 37870
37872	319556	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37871. Gray f.g. hard siliceous sed with 1-2% sulfide
37873	319554.5	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37872. Same as 37872 some actinolite
37874	319553	5921621	2014	Trench 4	chip	outcrop	1.5	Consecutive with 37873. Same as 37873
37875	319546	5921621	2014	Trench 4	chip	outcrop	1.5	5.5m gap. Dark gray f.g. limestone and siliceous seds
37876	319800	5921246	2014	Trench 6	chip	outcrop	1	Start trench NW end trending 135 deg. Gray silic f.g sed with 2-3% sulf along fractures
37877	319802.7	5921243.3	2014	Trench 6	chip	outcrop	1.5	2m gap. Light gray hard silic f.g. rock patches of pale green pyroxene, ccpy along fractures
37878	319803.7	5921242.3	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37877. Same as 37877
37879	319804.8	5921241.3	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37878. F.g. hard siliceous patches of pyroxene and green actinolite, 1-2% sulfides
37880	319806.7	5921239.5	2014	Trench 6	chip	outcrop	1.5	1.5m gap. Friable pale green sed, pyroxene with Fe-Ox
37881	319807.6	5921238.4	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37880. Very hard siliceous, pale, with 2-3% sulfide and friable pyroxene skarn
37882	319808.7	5921237.5	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37881. Same as 37881
37883	319809.7	5921236.5	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37882. Same as 37882

37884	319810.9	5921235.4	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37883. Gray hard f.g. hornfelsed sed and friable with Fe-Ox, 1-2% sulfides
37885	319811.9	5921234.4	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37884. Gray hard f.g. hornfelsed sed mottled color, 2% sulfides, ccpy, actinolite-chlorite
37886	319812.8	5921233.5	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37885. Same as 37885
37887	319813.8	5921232.5	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37886. Gray hard f.g. siliceous and mottled green to maroon, 25 sulfides along fractures
37888	319816.3	5921230.1	2014	Trench 6	chip	outcrop	1.5	2m gap. F.g. hard siliceous sulfide rich zone/veins py-po-ccpy-sphal associated with green fibrous actinolite
37889	319817.4	5921229	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37888. Same as 37888
37890	319818.53	5921228	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37889. Friable Fe-Ox weathered rock
37891	319819.5	5921227.1	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37890. Same as 37889
37892	319823.9	5921222.7	2014	Trench 6	chip	outcrop	1.5	5m gap. F.g. hard siliceous hornfelsed sed, dark gray and maroon, 2-3% sulfides on fractures
37893	319825.1	5921221.7	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37892. Maroon and gray f.g. hard sed with thin actinolite veinlets and 2% po-py along fractures
37894	319826.1	5921220.6	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37893. Gray f.g. hard silic sed, 2-3% po
37895	319829.8	5921217	2014	Trench 6	chip	outcrop	1.5	4m gap. Gray f.g. Ches intrusive, 2mm feldspar phenos in a f.g. siliceous matrix, 2-3% dissem po, minor py, trace ccpy, locally biotite and chlorite altered.
37896	319832.2	5921214.4	2014	Trench 6	chip	outcrop	1.5	2m gap. Dark f.g. biotite and hornblende rich intrusive with 2% sulfides, texture destroyed
37897	319833.2	5921213.5	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37896. Same as 37896
37898	319834.3	5921212.4	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37897. Same as 37897
37899	319835.5	5921211.3	2014	Trench 6	chip	outcrop	1.5	Consecutive with 37898. Intrusive cut by sulfide veinlets and minor thin quartz veinlets, 2 per metre
37900	319837.5	5921209.5	2014	Trench 6	chip	outcrop	1.5	1m gap. F.g. dark biotite rich intrusive with patches of f.g. sed.
5623510	319840.2	5921206.9	2014	Trench 6	chip	outcrop	1.5	2.5m gap, new sample numbers. Silic f.g. texture masked intrusive, sulfide veinlets
5623511	319841.2	5921205.9	2014	Trench 6	chip	outcrop	1.5	Consecutive with 5623510. Intrusive with biotite rich zone, sparce veins, sulfide along fractures, dissem po and trace ccpy
5623512	319843.6	5921203.7	2014	Trench 6	chip	outcrop	1.5	1.5m gap. Gray f.g. intrusive with patchy biotite, patches of actinolite-chlorite, sulfides along fractures
5623513	319844.7	5921202.7	2014	Trench 6	chip	outcrop	1.5	Consecutive with 5623512. Same as 5623512

5623514	319845.7	5921201.6	2014	Trench 6	chip	outcrop	1.5	Consecutive with 5623513. Same as 5623513
5623515	319847.9	5921199.5	2014	Trench 6	chip	outcrop	1.5	1.5m gap. Same as 5623514
5623516	319849	5921198.5	2014	Trench 6	chip	outcrop	1.5	Consecutive with 5623515. Intrusive, 25% 2mm feldspar phenos, 30% black biotite matrix possibly some hornblende, 3% sulfides po-py-trace ccpy
5623517	319852.2	5921195.3	2014	Trench 6	chip	outcrop	1.5	3m gap. Dark black f.g. biotite or hnbl rich intrusive, patchy dark actinolite
5623518	319853.3	5921194.3	2014	Trench 6	chip	outcrop	1.5	Consecutive with 5623517. Mix dark biotite rich intrusive and gray intrusive with less biotite, 3% sulfides.
5623519	319855.2	5921192.7	2014	Trench 6	chip	outcrop	1.5	1m gap, last sample in trench. Gray intrusive with sulfides along fractures, some chlorite alteration
5623520	319563.5	5921585.8	2014	Trench 5	chip	outcrop	1.5	Start NW end.Gray siliceous hornfelsed seds, fracture with sphalerite
5623521	319564.8	5921583	2014	Trench 5	chip	outcrop	1.5	2m gap. Thin bedded seds
5623522	319565.5	5921581.9	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623521. Same as 5623521
5623523	319565.5	5921580.1	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623522. Same as 5623522
5623524	319566	5921579	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623523. Same as 5623523, some gray limestone
5623525	319573.6	5921567.4	2014	Trench 5	chip	outcrop	1.5	3m gap. Gray hornfelsed silic rock, 1-2% sulfides along fractures
5623526	319589.4	5921540.6	2014	Trench 5	chip	outcrop	1.5	30m gap. Calcareous silts with patchy rhodocrosite-chlorite-actinolite
5623527	319590.1	5921539.6	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623526. Calcareous silts with patchy rhodocrosite-chlorite-actinolite
5623528	319591.5	5921537.6	2014	Trench 5	chip	outcrop	1.5	1.5m gap. Calcareous silts with patchy rhodocrosite-chlorite-actinolite
5623529	319593.7	5921534.3	2014	Trench 5	chip	outcrop	1.5	3m gap. Calcareous silts with patchy rhodocrosite-chlorite-actinolite
5623530	319594.5	5921533.1	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623529. Same as 5623529
5623531	319595.2	5921531.9	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623530. Gray silic and cherty sed, 1-2% sulfide
5623532	319596	5921530.6	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623531. Gray silic and cherty sed, 1-2% sulfide
5623533	319596.7	5921529.4	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623532. Gray silic and cherty sed, 1-2% sulfide
5623534	319597.4	5921528.3	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623533. Gray silic and cherty sed, 1-2% sulfide
5623535	319598.8	5921525.7	2014	Trench 5	chip	outcrop	1.5	1.5m gap. Bedded seds with 30cm pyroxene skarn bed. Trace sphalerite
5623536	319599.3	5921524.7	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623535. Same as 5623535
5623537	319600	5921523.5	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623536. Same as 5623536, blacks sphalerite and moly seen

5623538	319600.7	5921522.3	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623537. Same as 5623537
5623539	319602.3	5921519.6	2014	Trench 5	chip	outcrop	1.5	1.5m gap. Gray silic hornfelsed sed, sulfides along fractures, dissem po
5623540	319603.1	5921518.3	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623539. Gray silic hornfelsed sed, sulfides along fractures, dissem po
5623541	319604.6	5921516.1	2014	Trench 5	chip	outcrop	1.5	1.5m gap. Same as 5623540
5623542	319614.5	5921502.7	2014	Trench 5	chip	outcrop	1.5	15m gap. Gray siliceous f.g. sed with 3% po along fractures and patchy sulfide rich zones, rare qtz-sulf veinlets
5623543	319615.2	5921501.5	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623542 Gray siliceous f.g. sed with 3% po along fractures and patchy sulfide rich zones, rare qtz-sulf veinlets
5623544	319616.1	5921500.6	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623543. Gray siliceous f.g. sed with 3% po along fractures and patchy sulfide rich zones, rare qtz-sulf veinlets
5623545	319617.1	5921499.6	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623544. Gray siliceous f.g. sed with 3% po along fractures and patchy sulfide rich zones, rare qtz-sulf veinlets
5623546	319618.7	5921498.6	2014	Trench 5	chip	outcrop	1.5	Consecutive with 5623545. Gray siliceous f.g. sed with 3% po along fractures and patchy sulfide rich zones, rare qtz-sulf veinlets
5623547	319911	5920986	2014	Trench 7	grab	outcrop		F.g. siliceous intrusive with 2% disseminated Po, weakly magnetic, sulfides along fractures
5623548	319916	5920986	2014	Trench 7	grab	outcrop		Rusty weathering f.g. intrusive with weathered veinlets
5623549	319837	5921008	2014	Trench 7	grab	outcrop		Rusty weathering f.g. dark biotite rich intrusive, 4% disseminated sulfides

Appendix B – Assay Certificates

Quality Analysis ... ***Innovative Technologies***

Date Submitted:	07-Oct-14
Invoice No.:	A14-07431
Invoice Date:	30-Oct-14
Your Reference:	

Shane Ebert
Suite 800, 808-4th Ave S.W.
Calgary AB T2P3E8
Canada

ATTN: Shane Ebert

CERTIFICATE OF ANALYSIS

134 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1EPI/MS INAA(INAAGEO)/Aqua Regia ICP(AQUAGEO)/Aqua Regia Digestion ICP/MS

REPORT **A14-07431**

Notes:
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.

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57

Results

Analyte Symbol	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga	Ge	Hg	K	Na	Sb	S	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm
Lower Limit	5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1	0.1	1	0.01	0.01	0.2	0.001	0.1
Method Code	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	MULT INAA / AR-ICP-MS
5623323	< 5	0.8	5	4.0	847	3430	5	6	< 2	454	< 100	1.42	5.04	0.53	6.02	7	0.8	< 1	0.03	1.73	0.8	2.350	1.4
5623324	< 5	1.3	4	4.4	1270	650	6	5	8	561	< 100	1.43	1.22	0.28	3.91	3	0.1	< 1	0.10	1.19	0.7	3.135	2.7
5623325	< 5	5.2	< 2	16.9	3290	2020	4	18	10	2100	< 100	5.24	2.27	0.27	7.95	4	0.3	< 1	0.02	1.93	1.0	4.949	5.9
5623326	< 5	< 0.2	7	< 0.5	48	195	< 2	4	3	53	< 100	1.31	0.73	1.44	2.31	4	< 0.1	< 1	0.18	2.79	0.8	1.162	0.6
5623327	< 5	1.4	< 2	5.9	1150	466	34	3	16	748	< 100	16.8	1.19	1.33	4.33	6	< 0.1	< 1	0.11	3.38	0.7	2.933	1.4
5623328	< 5	0.6	4	1.2	349	399	2	18	26	158	< 100	6.62	3.17	2.03	4.66	8	0.1	< 1	0.19	1.30	0.9	2.164	1.1
5623329	< 5	0.4	4	< 0.5	474	162	6	7	< 2	42	< 100	0.46	0.39	2.05	2.41	5	< 0.1	< 1	0.47	2.39	< 0.2	1.992	1.2
5623330	< 5	< 0.2	3	< 0.5	27	697	< 2	3	< 2	52	200	0.34	0.59	8.63	4.33	7	< 0.1	< 1	1.13	3.77	< 0.2	0.172	0.4
5623331	< 5	< 0.2	< 2	< 0.5	21	457	< 2	2	< 2	30	< 100	1.73	0.65	1.18	3.75	3	< 0.1	< 1	0.09	4.85	0.3	0.198	0.2
5623332	< 5	0.6	< 2	< 0.5	152	383	2	2	22	23	< 100	12.8	1.32	1.01	2.52	4	< 0.1	< 1	0.12	1.89	< 0.2	0.909	0.6
38201	< 5	0.5	12	< 0.5	415	369	11	2	2	60	< 100	0.97	0.33	0.80	2.40	5	< 0.1	< 1	0.17	3.22	1.1	1.019	1.3
38202	< 5	< 0.2	< 2	< 0.5	175	234	17	1	< 2	76	< 100	0.29	0.18	1.41	1.69	5	< 0.1	< 1	0.31	2.65	< 0.2	0.340	0.3
38203	< 5	1.1	2	0.7	766	278	8	1	2	85	< 100	1.52	0.43	0.34	2.20	2	< 0.1	< 1	0.05	3.49	0.5	1.528	1.4
38204	< 5	< 0.2	3	< 0.5	144	252	6	1	< 2	37	< 100	0.45	0.52	0.88	1.83	4	< 0.1	< 1	0.16	3.47	< 0.2	0.863	0.7
38205	< 5	< 0.2	4	0.9	226	281	6	1	< 2	114	< 100	0.77	0.50	0.28	1.80	3	< 0.1	< 1	0.04	3.34	< 0.2	0.854	0.9
38206	< 5	< 0.2	4	< 0.5	127	186	8	< 1	< 2	33	< 100	0.36	0.41	0.55	1.48	4	< 0.1	< 1	0.16	2.75	0.3	0.615	0.4
38207	< 5	0.2	3	0.6	273	212	5	< 1	3	86	< 100	1.25	0.41	0.44	1.69	4	< 0.1	< 1	0.16	3.36	< 0.2	0.784	0.7
38208	< 5	< 0.2	5	1.4	230	365	4	1	3	176	< 100	0.90	0.58	0.46	2.53	3	< 0.1	< 1	0.08	2.74	0.5	1.114	0.9
38209	< 5	< 0.2	5	< 0.5	91	289	7	1	< 2	44	< 100	0.46	0.44	1.63	1.70	5	< 0.1	< 1	0.26	2.51	0.5	0.464	0.6
38210	< 5	< 0.2	4	< 0.5	73	250	3	1	< 2	40	< 100	0.53	0.47	0.75	1.66	4	< 0.1	< 1	0.18	2.97	< 0.2	0.496	0.3
38211	< 5	< 0.2	4	0.8	208	362	7	2	3	116	< 100	1.41	0.53	0.63	2.20	4	< 0.1	< 1	0.13	3.18	< 0.2	0.702	0.6
38212	< 5	< 0.2	3	2.2	195	308	4	2	5	235	< 100	1.60	0.45	0.67	2.46	5	< 0.1	< 1	0.27	2.79	0.4	1.214	0.8
38213	< 5	0.5	3	8.9	254	915	6	1	13	920	< 100	10.6	0.77	0.41	2.04	3	< 0.1	< 1	0.06	3.21	0.8	0.626	1.0
38214	< 5	0.3	4	5.6	331	492	3	3	4	546	< 100	1.92	0.67	0.48	2.44	3	< 0.1	< 1	0.15	3.21	0.4	1.222	1.1
38215	< 5	0.7	3	31.4	565	2170	< 2	2	8	3820	< 100	6.32	1.81	0.69	3.54	5	0.4	< 1	0.10	2.44	0.4	1.897	1.9
38216	15	2.6	7	97.7	1640	2070	12	4	4	12500	< 100	6.12	1.29	1.42	5.59	6	0.2	< 1	0.08	2.00	1.5	4.612	5.4
38217	< 5	0.8	4	46.4	535	5310	57	8	5	5150	< 100	12.7	5.42	0.93	4.49	9	1.1	< 1	0.08	1.47	0.8	1.713	2.0
38218	< 5	0.6	3	2.2	79	10000	< 2	5	26	245	< 100	1.41	10.3	0.24	5.48	13	1.1	< 1	0.01	0.44	0.6	0.108	0.4
38219	< 5	3.2	5	5.2	1100	8330	2	10	149	482	< 100	4.47	9.38	0.20	8.73	18	2.3	< 1	< 0.01	0.11	0.6	1.674	2.9
38220	< 5	0.4	7	1.2	464	489	15	3	5	157	< 100	1.33	1.36	2.45	3.82	6	0.1	< 1	0.33	1.81	0.9	2.364	1.5
38221	< 5	0.3	3	2.9	81	6170	< 2	5	36	334	< 100	1.22	8.81	0.69	6.44	21	0.8	< 1	0.10	0.62	0.5	0.708	0.5
38222	< 5	0.6	4	15.0	281	2470	3	13	5	1800	< 100	2.06	7.17	0.93	3.04	4	0.3	< 1	0.15	1.58	0.6	0.904	0.8
38223	< 5	0.2	5	10.4	134	1330	3	4	27	925	< 100	7.12	2.76	1.61	3.46	6	0.2	< 1	0.37	1.62	0.6	1.339	0.8
38224	< 5	< 0.2	3	3.2	70	7180	2	3	5	324	< 100	0.39	7.90	0.44	5.17	12	1.2	< 1	0.04	0.83	0.7	0.114	0.4
38225	< 5	< 0.2	3	1.8	72	165	2	1	5	174	< 100	1.12	0.35	1.56	1.37	4	< 0.1	< 1	0.45	3.03	< 0.2	0.392	0.3
38226	< 5	< 0.2	2	< 0.5	93	196	< 2	< 1	3	85	< 100	0.50	0.48	1.70	1.60	4	< 0.1	< 1	0.41	3.16	0.7	0.382	0.5
38227	< 5	< 0.2	4	21.6	217	263	< 2	1	4	1870	< 100	1.59	0.77	0.79	2.42	4	< 0.1	< 1	0.18	3.22	0.5	1.436	0.9
38228	< 5	< 0.2	2	< 0.5	54	367	2	2	< 2	93	< 100	0.13	0.24	6.29	2.79	9	< 0.1	< 1	1.06	3.07	< 0.2	0.126	0.1
38229	11	0.4	3	1.0	503	557	2	3	3	176	< 100	0.73	0.72	1.42	3.06	6	< 0.1	< 1	0.20	3.76	0.5	1.126	0.9
38230	< 5	0.8	4	45.1	670	2860	2	3	5	4750	< 100	4.49	2.75	0.58	3.87	7	0.5	< 1	0.04	3.10	< 0.2	1.928	1.8
38231	< 5	1.1	4	16.2	1070	3050	2	5	4	1730	< 100	2.91	2.98	3.79	5.40	9	0.4	< 1	0.52	1.85	0.8	2.635	2.5
38232	< 5	0.8	4	6.7	956	1840	10	9	< 2	892	< 100	1.30	1.88	2.52	6.10	8	0.2	< 1	0.37	2.27	0.8	3.858	3.7
38233	< 5	0.3	2	1.4	701	1150	6	7	< 2	271	< 100	1.20	1.08	4.01	4.98	9	0.1	< 1	0.75	2.66	< 0.2	2.158	1.9
38234	< 5	< 0.2	8	< 0.5	208	686	2	4	< 2	117	< 100	0.74	0.59	6.58	4.60	10	0.1	< 1	1.47	3.03	< 0.2	1.409	0.5
38235	< 5	< 0.2	< 2	< 0.5	60	667	< 2	3	< 2	112	200	0.19	0.31	> 10.0	4.53	13	0.1	< 1	2.28	3.30	< 0.2	0.258	0.6
38236	< 5	< 0.2	< 2	< 0.5	396	560	< 2	1	< 2	99	< 100	0.73	0.90	3.68	4.47	7	0.1	< 1	0.88	2.44	0.7	2.265	1.1

Analyte Symbol	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga	Ge	Hg	K	Na	Sb	S	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm
Lower Limit	5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1	0.1	1	0.01	0.01	0.2	0.001	0.1
Method Code	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	MULT INAA / AR-ICP-MS
38237	< 5	< 0.2	2	1.3	215	679	< 2	3	< 2	167	< 100	0.49	1.07	4.30	3.85	7	0.1	< 1	0.95	2.52	< 0.2	0.738	0.7
38238	< 5	< 0.2	< 2	< 0.5	175	806	< 2	2	< 2	103	< 100	0.54	0.85	8.45	4.15	10	0.1	< 1	1.48	2.42	< 0.2	0.954	0.7
38239	< 5	1.0	5	1.8	654	1240	3	7	8	299	< 100	2.65	1.22	1.10	4.40	7	0.2	< 1	0.19	2.93	0.3	2.384	1.7
38240	< 5	0.5	3	3.3	519	1720	14	7	3	517	< 100	2.52	1.52	3.37	4.84	9	0.2	< 1	0.64	2.76	< 0.2	2.568	1.2
38241	< 5	1.1	3	8.8	881	1850	3	4	5	1070	< 100	2.08	1.91	1.09	4.19	7	0.2	< 1	0.09	2.23	< 0.2	2.080	2.0
38242	< 5	0.3	3	3.3	167	481	4	1	2	416	< 100	0.64	0.57	0.38	1.24	3	< 0.1	< 1	0.13	2.93	0.3	0.330	0.3
38243	< 5	0.6	5	1.5	279	556	8	1	5	203	< 100	3.36	0.61	0.55	1.64	3	< 0.1	< 1	0.10	2.76	0.4	0.330	0.4
38244	< 5	1.5	5	0.9	490	390	6	1	6	162	< 100	2.11	0.45	0.48	1.75	3	< 0.1	< 1	0.12	3.34	0.4	0.221	0.6
38245	< 5	1.0	5	15.7	941	4050	8	7	2	1880	< 100	2.93	3.49	1.39	6.13	11	0.3	< 1	0.15	1.96	0.8	2.636	2.1
38246	< 5	3.0	5	2.4	2670	1470	8	6	2	325	< 100	3.14	1.92	0.51	6.76	7	0.2	< 1	0.07	2.29	0.8	5.122	4.5
38247	21	7.4	6	2.3	6100	1180	9	6	4	289	< 100	2.13	1.86	1.16	6.44	8	0.2	< 1	0.20	2.05	1.2	4.951	5.1
38248	< 5	0.8	5	4.5	1000	1370	3	6	2	553	< 100	2.76	2.08	0.49	5.30	6	0.2	< 1	0.06	1.90	0.9	3.490	2.9
38249	< 5	0.3	5	9.7	403	781	8	2	6	1190	< 100	2.13	1.19	1.33	3.14	5	0.1	< 1	0.27	2.31	0.4	1.787	1.7
38250	< 5	< 0.2	2	0.5	174	474	13	1	< 2	134	< 100	0.40	0.43	4.13	3.23	10	0.1	< 1	0.92	2.53	< 0.2	1.254	1.3
38251	< 5	< 0.2	5	< 0.5	22	413	4	< 1	< 2	67	< 100	0.10	0.17	5.11	2.35	10	0.1	< 1	1.16	2.89	0.8	0.094	0.3
38252	< 5	< 0.2	6	< 0.5	221	444	10	< 1	< 2	107	< 100	0.38	0.44	2.23	2.34	7	0.1	< 1	0.48	3.27	0.8	0.358	0.7
38253	< 5	< 0.2	4	< 0.5	80	456	35	1	< 2	117	< 100	0.26	0.35	3.60	2.26	10	0.1	< 1	0.66	3.53	< 0.2	0.090	0.5
38254	< 5	< 0.2	5	< 0.5	109	558	2	1	< 2	84	< 100	0.17	0.64	5.40	2.89	8	0.1	< 1	0.84	3.56	0.6	0.344	0.7
38255	< 5	0.5	7	< 0.5	858	960	8	6	< 2	111	< 100	1.57	1.18	6.88	6.10	9	0.1	< 1	1.06	2.59	0.9	4.224	5.0
38256	< 5	0.6	7	1.3	586	980	6	4	< 2	237	< 100	1.73	0.83	7.34	5.07	8	< 0.1	< 1	1.46	2.65	1.0	1.541	1.3
38257	< 5	0.3	< 2	1.8	316	1540	4	7	2	267	< 100	1.35	1.63	3.12	5.01	6	0.2	< 1	0.44	2.71	0.7	1.174	1.4
38258	< 5	< 0.2	< 2	0.7	163	943	3	3	5	149	< 100	1.50	2.02	1.15	2.92	4	0.1	< 1	0.17	2.05	1.3	0.539	1.0
38259	< 5	< 0.2	7	2.2	395	2590	8	14	< 2	364	< 100	1.35	1.55	9.14	6.66	12	0.1	1	1.16	1.50	1.4	0.630	0.9
38260	< 5	0.3	5	12.9	311	4900	4	8	3	1130	< 100	1.07	3.45	2.23	4.73	10	0.2	< 1	0.20	1.78	1.6	0.387	0.8
38261	< 5	0.6	< 2	4.4	224	1970	3	9	32	499	< 100	3.71	2.65	2.02	4.16	7	0.1	< 1	0.27	2.35	0.9	0.644	1.0
38262	< 5	2.8	30	2.9	3410	1010	3	10	3	247	< 100	1.90	1.23	2.31	7.52	10	0.1	< 1	0.26	1.94	15.2	4.661	5.6
38263	< 5	0.4	6	1.3	463	3170	3	5	< 2	190	< 100	1.14	4.46	1.11	5.41	8	0.5	< 1	0.07	1.81	1.4	1.295	1.3
38264	9	0.2	15	0.9	459	1270	3	9	3	145	< 100	2.17	1.50	3.06	5.57	10	0.1	1	0.23	2.33	0.9	2.150	1.4
38265	< 5	0.2	7	2.6	374	1370	< 2	6	2	348	< 100	3.13	1.27	3.86	5.96	9	< 0.1	< 1	0.36	2.42	2.3	2.362	1.1
38266	< 5	0.9	6	3.0	856	1510	9	11	4	323	< 100	3.14	2.42	1.73	7.16	8	0.2	< 1	0.13	2.12	3.3	3.653	2.6
38267	< 5	0.5	7	7.9	499	1590	8	10	6	739	< 100	7.76	4.14	1.10	5.06	7	0.2	< 1	0.14	1.60	1.4	1.702	1.4
38268	< 5	0.4	3	10.8	433	863	7	6	5	910	< 100	6.28	3.15	1.60	4.40	8	0.1	< 1	0.28	2.00	1.1	2.444	1.6
38269	< 5	1.0	4	0.7	843	2370	7	6	4	141	< 100	2.10	3.10	0.48	5.32	6	0.3	< 1	0.05	2.31	1.8	2.183	2.0
38270	< 5	0.3	5	3.0	463	551	5	5	10	307	< 100	2.36	1.30	0.70	3.89	3	0.1	< 1	0.10	2.05	1.0	1.891	1.3
38271	< 5	< 0.2	4	< 0.5	298	406	7	4	< 2	65	< 100	2.51	0.61	3.49	3.12	6	< 0.1	< 1	0.60	3.10	0.3	1.466	0.8
38272	< 5	0.5	5	< 0.5	579	346	3	5	9	46	< 100	1.34	0.68	1.93	4.23	4	< 0.1	< 1	0.18	2.48	1.2	2.486	1.2
38273	< 5	< 0.2	10	< 0.5	146	249	4	1	18	57	< 100	0.35	0.07	1.62	1.13	2	< 0.1	< 1	0.28	1.88	3.4	0.109	0.4
38274	< 5	< 0.2	12	< 0.5	140	401	3	2	12	66	< 100	0.56	0.05	2.07	1.05	2	< 0.1	< 1	0.30	1.60	1.7	0.055	0.2
38275	< 5	0.3	11	0.6	142	275	7	3	24	104	< 100	0.29	0.05	2.65	1.10	2	< 0.1	< 1	0.33	1.29	2.1	0.083	0.5
38276	< 5	< 0.2	8	0.6	94	264	6	2	9	53	< 100	0.39	0.04	1.85	1.07	2	< 0.1	< 1	0.36	1.60	2.4	0.079	0.3
38277	< 5	< 0.2	12	0.6	71	126	4	< 1	10	75	< 100	0.24	0.12	1.36	0.86	2	< 0.1	< 1	0.39	1.39	1.7	0.076	0.2
38278	< 5	< 0.2	15	< 0.5	118	269	3	1	12	84	< 100	0.24	0.12	1.43	1.04	2	< 0.1	< 1	0.34	1.28	1.7	0.061	0.2
38279	< 5	0.6	92	1.1	398	444	10	2	98	261	< 100	1.09	0.17	4.32	3.26	4	< 0.1	< 1	0.33	1.95	3.6	0.315	0.8
38280	< 5	0.3	27	< 0.5	494	633	6	5	6	118	< 100	1.04	0.53	4.10	5.01	7	0.1	< 1	0.51	2.59	0.9	1.582	1.7
38281	< 5	< 0.2	11	< 0.5	356	610	< 2	5	< 2	143	< 100	0.86	0.35	5.01	4.49	9	< 0.1	< 1	0.60	2.86	4.2	1.117	2.0
38282	< 5	< 0.2	11	< 0.5	245	620	4	3	< 2	108	< 100	0.43	0.48	5.22	3.98	8	< 0.1	< 1	0.84	2.74	1.3	0.556	1.0
38283	< 5	0.2	74	< 0.5	173	822	< 2	4	16	174	< 100	0.70	0.33	6.83	4.36	10	0.1	< 1	1.11	3.03	2.8	0.597	0.6
38284	< 5	< 0.2	25	14.2	265	939	2	5	19	1250	< 100	1.46	1.30	2.73	3.74	4	0.1	< 1	0.26	2.72	2.9	1.466	1.1

Analyte Symbol	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga	Ge	Hg	K	Na	Sb	S	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm
Lower Limit	5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1	0.1	1	0.01	0.01	0.2	0.001	0.1
Method Code	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	MULT INAA / AR-ICP-MS
38285	< 5	0.3	11	0.8	580	815	3	5	< 2	146	< 100	0.98	0.88	5.94	6.72	10	0.1	< 1	0.72	2.79	1.4	2.807	3.1
38286	< 5	< 0.2	8	4.3	231	1020	4	5	9	440	< 100	1.91	1.58	1.79	3.82	5	0.2	< 1	0.26	3.46	0.8	1.601	1.0
38287	< 5	< 0.2	4	3.2	176	792	< 2	4	6	540	< 100	2.21	1.51	0.51	3.11	2	0.1	< 1	0.04	3.09	0.2	1.159	0.7
38288	< 5	< 0.2	13	2.2	370	1120	13	4	< 2	264	< 100	0.93	1.45	1.64	4.50	5	0.2	< 1	0.15	2.96	1.9	1.765	1.6
38289	< 5	0.3	7	2.2	485	672	19	8	< 2	252	< 100	1.18	0.98	2.15	5.06	5	0.1	< 1	0.30	2.75	0.9	3.181	2.9
38290	< 5	0.3	4	3.8	256	979	7	6	5	414	< 100	1.23	1.69	0.76	3.44	3	0.1	< 1	0.08	2.51	0.8	1.710	1.2
38291	< 5	0.3	4	1.2	306	699	13	7	3	189	< 100	1.42	1.76	1.73	4.10	6	0.1	< 1	0.31	2.76	0.6	2.310	1.5
38292	< 5	0.3	4	4.1	268	1180	7	6	5	445	< 100	8.42	2.75	1.24	3.52	6	0.2	< 1	0.18	1.87	0.6	1.297	1.2
38293	< 5	0.4	4	3.0	462	1770	6	8	3	370	< 100	1.70	2.46	1.79	4.89	6	0.2	< 1	0.19	1.99	0.5	2.057	1.0
38294	< 5	< 0.2	4	0.7	295	989	6	2	3	97	< 100	0.64	1.12	1.60	2.80	5	0.2	< 1	0.16	2.80	0.9	0.821	0.7
38295	< 5	0.4	6	3.2	653	1660	3	11	4	352	< 100	1.30	2.75	2.22	5.21	10	0.2	< 1	0.28	1.74	1.2	1.771	1.2
38296	< 5	0.4	< 2	< 0.5	128	692	< 2	5	22	105	100	2.37	1.84	7.13	4.12	9	< 0.1	< 1	0.98	1.40	< 0.2	0.746	0.5
38297	< 5	0.3	< 2	< 0.5	37	1510	65	4	8	78	< 100	1.20	4.34	5.26	5.58	11	0.2	< 1	0.76	1.62	0.7	0.142	0.4
38298	< 5	< 0.2	5	< 0.5	81	568	2	6	4	71	100	0.84	0.70	7.40	3.49	8	< 0.1	< 1	1.27	2.07	1.1	0.468	0.6
38299	< 5	0.3	< 2	< 0.5	498	587	7	12	3	80	< 100	1.31	0.54	6.29	5.99	7	0.1	< 1	0.75	2.33	0.8	4.709	2.0
38300	< 5	< 0.2	5	< 0.5	94	861	< 2	7	< 2	91	< 100	0.40	0.51	9.68	5.15	8	0.1	< 1	1.23	2.73	0.8	0.863	1.8
5623460	< 5	0.4	3	< 0.5	520	658	2	8	3	69	< 100	1.48	0.42	7.55	5.82	9	0.1	< 1	0.96	2.72	0.7	2.865	1.1
5623461	< 5	0.2	6	< 0.5	319	473	8	6	3	56	< 100	1.81	0.23	5.02	5.51	9	0.1	< 1	0.66	2.69	0.9	2.941	1.0
5623462	< 5	0.2	9	< 0.5	318	460	3	7	3	60	< 100	4.06	0.38	6.94	5.82	8	0.1	< 1	0.91	1.94	1.2	2.268	1.0
5623463	< 5	< 0.2	14	< 0.5	47	185	4	1	10	41	< 100	0.44	0.11	2.38	1.18	3	< 0.1	< 1	0.28	2.45	0.7	0.078	0.3
5623464	< 5	0.3	7	< 0.5	220	244	6	5	9	48	< 100	0.70	0.12	2.40	3.18	3	< 0.1	< 1	0.15	2.11	0.8	2.033	1.0
5623465	< 5	< 0.2	27	< 0.5	48	194	3	< 1	12	45	< 100	0.25	0.14	2.96	1.19	3	< 0.1	< 1	0.35	1.96	1.3	0.134	0.4
5623466	< 5	< 0.2	13	< 0.5	42	231	10	< 1	14	39	< 100	0.32	0.18	2.30	1.11	3	< 0.1	< 1	0.36	1.87	1.0	0.059	0.3
5623467	< 5	0.9	13	< 0.5	187	398	6	3	21	92	< 100	2.36	0.17	3.84	3.17	5	< 0.1	< 1	0.41	2.04	1.3	0.924	0.6
5623468	< 5	0.4	5	0.8	186	702	3	7	10	188	< 100	1.38	0.36	8.26	4.39	8	0.1	< 1	1.15	2.22	0.4	1.107	0.9
5623469	< 5	0.6	9	0.5	109	787	2	5	34	164	100	2.38	0.46	7.31	4.25	9	0.1	< 1	0.87	2.28	0.7	0.618	0.8
5623470	< 5	< 0.2	6	< 0.5	191	686	7	5	9	110	< 100	0.76	1.37	2.63	4.13	7	0.1	< 1	0.28	1.94	0.4	1.329	1.0
5623471	14	0.7	8	0.5	455	472	13	5	36	93	< 100	1.81	1.19	2.77	6.37	5	0.1	< 1	0.07	2.55	1.8	3.262	1.5
5623472	< 5	0.4	8	0.7	213	488	< 2	6	13	113	< 100	2.53	0.96	2.38	4.75	5	0.1	< 1	0.15	2.35	0.8	1.776	1.0
5623473	< 5	0.6	9	0.9	110	457	5	5	34	121	< 100	1.40	0.75	1.27	2.65	4	< 0.1	< 1	0.08	2.74	1.1	0.645	0.5
5623474	< 5	0.6	11	1.5	123	284	4	3	13	225	< 100	0.95	0.42	2.06	1.58	3	< 0.1	< 1	0.12	2.69	0.8	0.194	0.4
5623475	29	0.9	36	1.4	87	375	4	3	41	208	< 100	0.86	0.54	1.69	1.69	5	< 0.1	< 1	0.21	2.60	1.3	0.201	0.4
5623476	< 5	0.4	31	0.9	71	343	4	3	22	105	< 100	0.41	0.41	1.73	1.43	5	< 0.1	< 1	0.18	2.55	1.3	0.105	0.2
5623477	< 5	0.3	32	1.3	93	385	3	3	41	123	< 100	0.49	0.43	2.19	1.74	5	< 0.1	< 1	0.18	2.46	1.5	0.149	0.3
5623478	< 5	0.8	25	1.3	113	420	3	2	26	154	< 100	0.97	0.41	2.13	1.64	4	< 0.1	< 1	0.19	2.48	1.4	0.156	0.2
5623479	< 5	0.6	42	1.0	94	383	3	2	40	203	< 100	0.76	0.36	2.05	1.68	5	< 0.1	< 1	0.21	2.41	2.0	0.166	0.3
5623480	< 5	4.1	58	2.3	57	632	6	1	122	263	< 100	0.84	0.23	6.05	1.72	5	< 0.1	< 1	0.52	1.11	6.7	0.158	0.2
5623481	14	38.1	38	4.8	896	647	4	4	39	1010	< 100	1.37	0.53	6.16	2.32	4	< 0.1	< 1	0.38	1.08	9.9	0.906	0.3
5623482	< 5	0.7	14	0.7	55	307	4	3	3	118	< 100	0.37	0.33	1.83	1.39	4	< 0.1	< 1	0.13	2.72	1.6	0.100	0.3
5623483	< 5	0.8	11	3.1	59	686	4	27	3	312	< 100	0.26	1.68	2.59	3.92	8	< 0.1	< 1	0.10	2.37	1.9	0.072	0.3

60

Results

Analyte Symbol	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	ppm	g
Lower Limit	0.1	0.1	4	
Method Code	AR-MS	AR-MS	INAA	INAA
5623323	0.3	< 0.1	63	35.0
5623324	0.2	< 0.1	68	31.9
5623325	0.6	< 0.1	759	39.1
5623326	0.4	0.2	< 4	31.0
5623327	2.0	< 0.1	< 4	33.4
5623328	0.9	0.2	< 4	32.1
5623329	< 0.1	0.5	5	30.9
5623330	< 0.1	0.9	< 4	32.1
5623331	0.2	0.1	< 4	30.4
5623332	0.7	< 0.1	< 4	31.3
38201	0.2	0.1	5	31.1
38202	< 0.1	0.3	< 4	29.4
38203	0.3	< 0.1	< 4	31.5
38204	< 0.1	0.2	< 4	29.3
38205	0.2	< 0.1	< 4	31.3
38206	< 0.1	0.1	< 4	33.1
38207	0.3	< 0.1	< 4	29.3
38208	0.3	< 0.1	< 4	32.7
38209	< 0.1	0.3	< 4	29.4
38210	0.2	0.2	< 4	29.9
38211	0.5	0.1	< 4	31.5
38212	0.3	0.2	< 4	29.1
38213	0.5	< 0.1	10	32.7
38214	0.3	< 0.1	17	27.7
38215	< 0.1	< 0.1	88	32.2
38216	0.2	< 0.1	97	31.6
38217	0.2	< 0.1	90	33.6
38218	< 0.1	< 0.1	8	40.0
38219	0.3	< 0.1	219	45.4
38220	0.3	0.3	25	30.9
38221	0.2	< 0.1	27	36.8
38222	< 0.1	0.1	< 4	32.0
38223	1.5	0.3	< 4	33.3
38224	< 0.1	< 0.1	65	40.5
38225	0.2	0.3	13	31.3
38226	< 0.1	0.4	< 4	30.3
38227	0.2	0.2	8	30.8
38228	< 0.1	1.3	< 4	30.2
38229	< 0.1	0.3	8	30.4
38230	0.2	< 0.1	8	31.3
38231	0.2	0.6	56	31.8
38232	0.2	0.5	129	34.3
38233	0.2	1.0	14	30.8
38234	0.2	1.8	< 4	30.1
38235	< 0.1	2.7	< 4	30.6
38236	0.2	1.1	< 4	32.1
38237	< 0.1	1.1	7	32.5
38238	< 0.1	2.2	< 4	29.8
38239	0.5	0.3	10	31.6

61

Analyte Symbol	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	ppm	g
Lower Limit	0.1	0.1	4	
Method Code	AR-MS	AR-MS	INAA	INAA
38240	0.8	0.9	31	30.5
38241	0.2	0.2	102	30.8
38242	0.1	< 0.1	< 4	28.1
38243	1.0	< 0.1	7	28.0
38244	0.2	< 0.1	< 4	29.1
38245	0.3	0.2	211	32.6
38246	0.4	< 0.1	170	32.0
38247	0.4	0.3	423	31.5
38248	0.5	< 0.1	122	33.3
38249	0.3	0.3	44	31.1
38250	< 0.1	1.1	< 4	29.3
38251	< 0.1	1.3	< 4	28.9
38252	0.1	0.5	< 4	28.0
38253	< 0.1	0.8	< 4	27.8
38254	< 0.1	1.0	< 4	27.6
38255	0.4	1.8	22	29.2
38256	0.5	1.9	14	29.4
38257	0.3	0.8	19	29.6
38258	0.2	0.3	< 4	30.4
38259	0.3	1.5	< 4	30.8
38260	< 0.1	0.3	31	36.7
38261	0.3	0.4	8	34.2
38262	0.3	0.4	195	31.4
38263	0.1	0.1	61	31.5
38264	0.6	0.3	< 4	27.0
38265	0.7	0.5	< 4	26.5
38266	0.6	0.2	85	31.0
38267	1.3	0.2	52	30.2
38268	1.3	0.4	166	30.6
38269	0.3	< 0.1	242	33.0
38270	0.4	0.1	23	28.7
38271	0.8	0.9	< 4	29.9
38272	0.4	0.2	8	28.7
38273	< 0.1	0.1	< 4	26.2
38274	0.2	0.1	< 4	25.1
38275	< 0.1	0.1	< 4	25.6
38276	0.1	0.1	< 4	24.3
38277	< 0.1	0.1	< 4	25.7
38278	< 0.1	0.1	< 4	26.4
38279	0.2	0.3	8	26.5
38280	0.4	0.9	20	29.1
38281	0.3	0.9	7	28.4
38282	0.2	1.2	< 4	30.7
38283	0.3	1.5	< 4	28.9
38284	0.5	0.3	14	28.0
38285	0.2	1.2	12	25.5
38286	0.5	0.4	12	27.9
38287	0.5	< 0.1	15	30.0
38288	0.2	0.3	15	29.8
38289	0.4	0.7	< 4	29.1

62

Analyte Symbol	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	ppm	g
Lower Limit	0.1	0.1	4	
Method Code	AR-MS	AR-MS	INAA	INAA
38290	0.3	0.1	< 4	30.0
38291	0.3	0.4	19	27.4
38292	1.5	0.3	15	29.6
38293	0.5	0.3	< 4	30.2
38294	< 0.1	0.2	< 4	28.6
38295	0.3	0.5	9	31.1
38296	0.6	1.3	< 4	30.5
38297	< 0.1	1.0	49	32.4
38298	0.3	1.7	< 4	30.8
38299	0.6	1.2	< 4	31.5
38300	0.1	1.9	< 4	27.8
5623460	0.6	1.5	< 4	31.0
5623461	0.7	1.1	< 4	32.1
5623462	2.2	1.5	< 4	35.2
5623463	0.2	0.2	< 4	28.0
5623464	0.3	0.2	< 4	32.8
5623465	< 0.1	0.2	< 4	28.1
5623466	< 0.1	0.2	< 4	28.3
5623467	0.6	0.6	< 4	32.4
5623468	0.5	1.6	< 4	31.1
5623469	0.6	1.4	< 4	31.2
5623470	0.1	0.4	< 4	31.6
5623471	0.6	0.1	10	31.8
5623472	0.9	0.2	< 4	32.1
5623473	0.3	< 0.1	< 4	30.2
5623474	0.1	< 0.1	< 4	29.5
5623475	< 0.1	0.1	< 4	26.6
5623476	< 0.1	0.1	< 4	25.9
5623477	0.2	0.1	< 4	28.8
5623478	0.2	0.1	< 4	28.7
5623479	0.2	0.1	< 4	27.5
5623480	0.1	0.3	< 4	25.6
5623481	0.1	0.2	13	28.0
5623482	0.1	< 0.1	< 4	29.8
5623483	< 0.1	< 0.1	< 4	31.6

QC

Analyte Symbol	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga	Ge	Hg	K	Na	Sb	S	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm
Lower Limit	5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1	0.1	1	0.01	0.01	0.2	0.001	0.1
Method Code	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	MULT INAA / AR-ICP-MS
GXR-1 Meas				1.6	1060	792	12		598			> 1000	0.83			5			0.04			0.197	
GXR-1 Cert				3.30	1110	852	18.0		730			1380	0.960			13.8			0.050			0.257	
GXR-1 Meas				1.9	1150	827	13		627				0.83						0.04			0.210	
GXR-1 Cert				3.30	1110	852	18.0		730				0.960						0.050			0.257	
GXR-4 Meas				< 0.5	6440	150	291		43			18.9	0.93			12			2.00			1.876	
GXR-4 Cert				0.860	6520	155	310		52.0			19.0	1.01			20.0			4.01			1.77	
GXR-4 Meas				< 0.5	6820	162	301		43				0.97						2.09			1.999	
GXR-4 Cert				0.860	6520	155	310		52.0				1.01						4.01			1.77	
GXR-6 Meas				< 0.5	68	1130	< 2		95			0.20	0.15			17			1.32			0.016	
GXR-6 Cert				1.00	66.0	1010	2.40		101			0.290	0.180			35.0			1.87			0.0160	
GXR-6 Meas				< 0.5	70	1130	< 2		95				0.18						1.32			0.015	
GXR-6 Cert				1.00	66.0	1010	2.40		101				0.180						1.87			0.0160	
SAR-M (U.S.G.S.) Meas				5.5	352	5090	12		1090			1.76	0.34			6			0.34				
SAR-M (U.S.G.S.) Cert				5.27	331.0000	5220	13.1		982			1.94	0.61			17			2.94				
SAR-M (U.S.G.S.) Meas				5.5	346	5150	12		1090				0.34						0.36				
SAR-M (U.S.G.S.) Cert				5.27	331.0000	5220	13.1		982				0.61						2.94				
DMMAS 117 Meas	1680		1770												3.48					2.12	7.1		
DMMAS 117 Cert	1720		1745												3.11					1.96	6.7		
DMMAS 117 Meas	1710		1650												3.32					2.06	6.3		
DMMAS 117 Cert	1720		1745												3.11					1.96	6.7		
DMMAS 117 Meas	1700		1690												3.30					2.00	6.3		
DMMAS 117 Cert	1720		1745												3.11					1.96	6.7		
38203 Orig				0.7	763	274	7		2			1.47	0.42			2	< 0.1		0.05			1.507	
38203 Dup				0.7	769	282	8		2			1.57	0.43			2	< 0.1		0.05			1.549	
38217 Orig				46.9	540	5320	57		5			13.3	5.43			9	0.9		0.08			1.736	
38217 Dup				45.9	530	5310	57		4			12.1	5.41			9	1.3		0.07			1.690	
38220 Orig	< 5		7	1.2	464	489	15		5			1.33	1.36		3.82	6	0.1	< 1	0.33	1.81	0.9	2.364	
38220 Split	< 5		6	1.0	427	447	13		5			1.24	1.27		4.15	6	0.1	< 1	0.30	1.97	0.7	2.119	
38230 Orig				45.0	674	2900	2		5			4.37	2.79			7	0.4		0.04			1.924	
38230 Dup				45.1	666	2810	2		6			4.60	2.72			7	0.6		0.04			1.931	
38240 Orig	< 5		3	3.3	519	1720	14		3			2.52	1.52		4.84	9	0.2	< 1	0.64	2.76	< 0.2	2.568	
38240 Split	< 5		3	2.9	523	1650	16		4			2.16	1.55		4.80	9	0.2	< 1	0.59	2.71	< 0.2	2.457	
38240 Split				2.9	523	1650	16		4			2.16	1.55			9	0.2		0.59			2.457	
38244 Orig				0.9	485	387	6		6			2.12	0.45			3	< 0.1		0.12			0.221	
38244 Dup				0.9	496	392	7		6			2.11	0.45			3	< 0.1		0.12			0.221	
38250 Orig	< 5		2	0.5	174	474	13		< 2			0.40	0.43		3.23	10	0.1	< 1	0.92	2.53	< 0.2	1.254	
38250 Split	< 5		< 2	< 0.5	173	477	13		< 2			0.41	0.43		3.46	10	0.1	< 1	0.92	2.80	< 0.2	1.252	
38267 Orig				8.0	508	1630	8		6			7.79	4.18			7	0.2		0.14			1.732	
38267 Dup				7.8	490	1560	7		6			7.73	4.09			7	0.2		0.13			1.673	
38280 Orig	< 5		27	< 0.5	494	633	6		6			1.04	0.53		5.01	7	0.1	< 1	0.51	2.59	0.9	1.582	
38280 Split	< 5		23	< 0.5	486	641	6		5			0.94	0.54		4.85	7	0.1	< 1	0.51	2.79	0.8	1.594	
38281 Orig				0.6	358	607	< 2		2			0.86	0.35			9	< 0.1		0.60			1.109	
38281 Dup				< 0.5	354	612	< 2		< 2			0.85	0.35			9	< 0.1		0.60			1.125	

64

Analyte Symbol	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga	Ge	Hg	K	Na	Sb	S	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm
Lower Limit	5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1	0.1	1	0.01	0.01	0.2	0.001	0.1
Method Code	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	MULT INAA / AR-ICP-MS
38290 Orig	< 5		4	3.8	256	979	7		5			1.23	1.69		3.44	3	0.1	< 1	0.08	2.51	0.8	1.710	
38290 Split	< 5		3	2.9	228	828	7		5			1.17	1.53		3.27	3	0.2	< 1	0.09	2.90	0.5	1.654	
38294 Orig				0.7	293	987	6		3			0.65	1.12			5	0.1		0.16			0.820	
38294 Dup				0.7	296	990	6		2			0.64	1.11			5	0.2		0.16			0.822	
5623467 Orig				< 0.5	186	398	6		21			2.39	0.17			5	< 0.1		0.41			0.920	
5623467 Dup				< 0.5	188	398	6		21			2.33	0.17			5	< 0.1		0.40			0.929	
5623469 Orig	< 5		9	0.5	109	787	2		34			2.38	0.46		4.25	9	0.1	< 1	0.87	2.28	0.7	0.618	
5623469 Split	< 5		7	< 0.5	112	804	3		34			2.22	0.46		4.31	10	0.1	< 1	0.88	2.58	0.5	0.630	
Method Blank				< 0.5	1	< 2	< 2		< 2			< 0.10	< 0.01			< 1	< 0.1		< 0.01			< 0.001	
Method Blank				< 0.5	< 1	< 2	< 2		< 2			< 0.10	< 0.01			< 1	< 0.1		< 0.01			< 0.001	
Method Blank				< 0.5	1	< 2	< 2		< 2			< 0.10	< 0.01			< 1	< 0.1		< 0.01			< 0.001	
Method Blank	< 5		< 2												< 0.02			< 1		< 0.01	< 0.2		

QC

Analyte Symbol	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	ppm	g
Lower Limit	0.1	0.1	4	
Method Code	AR-MS	AR-MS	INAA	INAA
GXR-1 Meas	11.9	0.4		
GXR-1 Cert	13.0	0.390		
GXR-1 Meas				
GXR-1 Cert				
GXR-4 Meas	0.9	3.0		
GXR-4 Cert	0.970	3.20		
GXR-4 Meas				
GXR-4 Cert				
GXR-6 Meas	< 0.1	2.3		
GXR-6 Cert	0.0180	2.20		
GXR-6 Meas				
GXR-6 Cert				
SAR-M (U.S.G.S.) Meas	0.8	1.1		
SAR-M (U.S.G.S.) Cert	0.96	2.7		
SAR-M (U.S.G.S.) Meas				
SAR-M (U.S.G.S.) Cert				
DMMAS 117 Meas				
DMMAS 117 Cert				
DMMAS 117 Meas				
DMMAS 117 Cert				
DMMAS 117 Meas				
DMMAS 117 Cert				
38203 Orig	0.2	< 0.1		
38203 Dup	0.3	< 0.1		
38217 Orig	0.2	< 0.1		
38217 Dup	0.2	< 0.1		
38220 Orig	0.3	0.3	25	30.9

65

Analyte Symbol	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	ppm	g
Lower Limit	0.1	0.1	4	
Method Code	AR-MS	AR-MS	INAA	INAA
38220 Split	0.3	0.3	29	31.9
38230 Orig	0.2	< 0.1		
38230 Dup	0.3	< 0.1		
38240 Orig	0.8	0.9	31	30.5
38240 Split	0.6	0.9	31	29.4
38240 Split	0.6	0.9		
38244 Orig	0.2	< 0.1		
38244 Dup	0.2	< 0.1		
38250 Orig	< 0.1	1.1	< 4	29.3
38250 Split	< 0.1	1.2	< 4	26.3
38267 Orig	1.3	0.2		
38267 Dup	1.3	0.2		
38280 Orig	0.4	0.9	20	29.1
38280 Split	0.3	0.8	19	33.5
38281 Orig	0.3	0.9		
38281 Dup	0.3	0.9		
38290 Orig	0.3	0.1	< 4	30.0
38290 Split	0.3	0.1	< 4	30.2
38294 Orig	< 0.1	0.2		
38294 Dup	< 0.1	0.2		
5623467 Orig	0.6	0.6		
5623467 Dup	0.6	0.6		
5623469 Orig	0.6	1.4	< 4	31.2
5623469 Split	0.4	1.3	< 4	27.7
Method Blank	< 0.1	< 0.1		
Method Blank	< 0.1	< 0.1		
Method Blank	< 0.1	< 0.1		
Method Blank			< 4	30.0

Quality Analysis ... *Innovative Technologies*

Date Submitted: 21-Oct-14
Invoice No.: A14-07878
Invoice Date: 18-Nov-14
Your Reference:

Shane Ebert
Suite 800, 808-4th Ave S.W.
Calgary AB T2P3E8
Canada

ATTN: Shane Ebert

CERTIFICATE OF ANALYSIS

140 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1EPI/MS INAA(INAAGEO)/Aqua Regia ICP(AQUAGEO)/Aqua Regia Digestion ICP/MS

REPORT **A14-07878**

Notes:
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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Results

Analyte Symbol	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga	Ge	Hg	K	Na	Sb	S	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm
Lower Limit	5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1	0.1	1	0.01	0.01	0.2	0.001	0.1
Method Code	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	MULT INAA / AR-ICP-MS
37801	< 5	< 0.2	< 2	0.7	120	818	2	7	< 2	165	200	0.88	0.89	9.89	4.57	11	0.1	< 1	1.26	3.75	0.3	0.614	1.1
37802	< 5	< 0.2	< 2	< 0.5	212	564	< 2	8	< 2	111	< 100	1.46	0.57	7.25	4.83	10	0.1	< 1	1.05	3.69	0.7	1.218	0.9
37803	< 5	< 0.2	< 2	1.1	101	615	< 2	4	< 2	184	< 100	0.56	0.60	2.55	2.90	7	< 0.1	< 1	0.24	3.98	< 0.2	0.368	0.8
37804	< 5	< 0.2	< 2	0.8	85	509	< 2	1	2	139	< 100	0.36	0.46	2.61	2.12	8	< 0.1	< 1	0.28	4.90	< 0.2	0.254	0.5
37805	< 5	< 0.2	< 2	1.2	160	412	6	< 1	3	195	< 100	0.60	0.49	1.66	2.28	5	< 0.1	< 1	0.13	4.04	0.3	0.289	0.3
37806	< 5	< 0.2	3	1.0	118	345	6	2	< 2	214	< 100	0.73	0.45	2.11	2.67	7	< 0.1	< 1	0.19	3.16	1.3	0.364	0.1
37807	10	< 0.2	< 2	2.0	205	662	7	2	< 2	241	< 100	1.22	0.98	1.74	3.19	6	< 0.1	< 1	0.17	3.25	0.2	0.395	0.4
37808	< 5	< 0.2	< 2	< 0.5	158	541	< 2	5	< 2	86	< 100	0.44	0.83	3.44	3.47	7	0.1	< 1	0.40	4.03	< 0.2	0.412	0.4
37809	< 5	< 0.2	< 2	< 0.5	242	510	< 2	6	< 2	100	< 100	0.91	0.80	5.20	4.54	8	< 0.1	< 1	0.68	3.63	< 0.2	1.295	0.5
37810	< 5	< 0.2	2	< 0.5	249	531	3	6	< 2	77	< 100	1.07	0.84	3.87	4.84	8	< 0.1	< 1	0.59	3.97	< 0.2	1.510	0.3
37811	< 5	< 0.2	2	3.7	156	766	4	5	3	395	< 100	1.58	1.18	2.56	3.66	6	0.1	< 1	0.18	3.23	0.7	1.054	0.4
37812	< 5	< 0.2	3	4.0	160	1100	3	3	3	391	< 100	0.75	1.72	2.31	2.84	5	0.1	< 1	0.21	3.11	0.4	0.714	0.2
37813	< 5	< 0.2	< 2	2.4	140	632	4	4	2	289	< 100	0.81	1.16	2.09	3.08	4	< 0.1	< 1	0.16	3.73	< 0.2	0.961	0.6
37814	7	< 0.2	< 2	10.4	109	2270	2	3	< 2	1130	< 100	0.95	3.15	2.13	3.75	5	0.3	< 1	0.18	3.00	0.7	0.551	0.4
37815	< 5	< 0.2	< 2	< 0.5	80	563	< 2	5	< 2	96	200	0.26	0.52	> 10.0	3.69	8	< 0.1	< 1	1.06	4.14	< 0.2	0.345	0.3
37816	< 5	< 0.2	< 2	0.8	63	623	< 2	5	< 2	178	300	0.31	0.52	8.61	3.93	9	0.1	< 1	1.04	4.56	< 0.2	0.202	0.2
37817	< 5	< 0.2	< 2	< 0.5	34	485	< 2	7	< 2	73	300	0.30	0.63	9.45	4.23	8	< 0.1	< 1	1.19	4.60	< 0.2	0.304	1.0
37818	< 5	< 0.2	< 2	< 0.5	54	465	< 2	5	< 2	69	200	0.37	0.61	8.03	4.04	7	< 0.1	< 1	0.92	4.48	< 0.2	0.604	0.5
37819	< 5	< 0.2	< 2	< 0.5	277	509	< 2	4	< 2	76	< 100	1.31	0.83	1.99	5.71	5	< 0.1	< 1	0.16	3.91	< 0.2	2.751	0.5
37820	< 5	< 0.2	< 2	< 0.5	112	793	14	3	< 2	100	< 100	0.77	1.11	4.03	4.06	6	0.1	< 1	0.42	4.18	0.4	0.415	0.5
37821	< 5	< 0.2	9	1.9	137	1010	< 2	5	< 2	313	< 100	1.12	1.83	2.31	3.44	5	< 0.1	< 1	0.12	3.44	1.1	0.560	0.6
37822	< 5	< 0.2	< 2	< 0.5	52	463	< 2	2	< 2	74	< 100	0.28	0.84	4.62	2.98	6	< 0.1	< 1	0.45	4.58	< 0.2	0.157	0.3
37823	< 5	< 0.2	3	< 0.5	56	591	< 2	4	< 2	92	100	0.26	0.82	5.57	3.55	8	< 0.1	< 1	0.62	4.43	0.5	0.108	< 0.1
37824	< 5	< 0.2	< 2	< 0.5	79	521	< 2	3	< 2	80	< 100	0.41	0.78	4.99	3.21	7	< 0.1	< 1	0.52	4.78	0.4	0.258	0.2
37825	< 5	< 0.2	4	< 0.5	78	380	< 2	2	< 2	59	100	0.24	0.47	5.94	3.20	8	< 0.1	< 1	0.71	4.27	0.5	0.480	0.4
37826	< 5	< 0.2	< 2	< 0.5	38	323	< 2	2	< 2	51	< 100	0.22	0.44	3.71	2.23	6	< 0.1	< 1	0.43	4.66	< 0.2	0.333	0.1
37827	< 5	< 0.2	< 2	< 0.5	45	353	< 2	2	< 2	62	100	0.23	0.31	6.83	2.44	10	< 0.1	< 1	0.99	4.67	0.5	0.188	< 0.1
37828	< 5	< 0.2	< 2	< 0.5	86	452	2	3	< 2	79	< 100	0.63	0.69	3.45	2.67	8	< 0.1	< 1	0.56	4.21	0.3	0.498	0.3
37829	< 5	< 0.2	< 2	2.6	166	1100	9	5	4	335	< 100	0.62	2.11	0.62	2.24	3	0.2	< 1	0.05	4.12	0.3	0.716	0.2
37830	< 5	< 0.2	< 2	1.0	118	367	2	7	< 2	133	< 100	1.50	1.64	1.25	3.00	6	< 0.1	< 1	0.15	2.54	0.7	1.174	0.5
37831	< 5	0.3	3	5.8	164	3430	16	13	8	587	< 100	2.54	5.43	0.43	3.56	5	0.6	< 1	0.04	2.19	0.4	0.448	0.4
37832	< 5	< 0.2	< 2	1.1	130	517	4	5	< 2	227	< 100	1.47	1.23	3.80	4.13	8	< 0.1	< 1	0.77	3.83	< 0.2	1.639	< 0.1
37833	< 5	< 0.2	< 2	0.6	84	461	3	9	2	147	< 100	0.98	1.33	1.30	2.46	4	< 0.1	< 1	0.23	2.55	0.4	0.577	< 0.1
37834	< 5	2.5	3	22.2	36	3770	3	1	168	2060	< 100	22.5	20.2	0.83	1.58	3	0.3	< 1	0.02	0.04	0.5	0.104	< 0.1
37835	< 5	1.6	3	9.5	216	3310	3	7	149	884	< 100	13.7	15.4	3.95	2.52	6	0.2	< 1	0.06	0.70	1.1	0.303	< 0.1
37836	< 5	0.4	4	5.3	148	3090	< 2	4	9	557	< 100	2.34	10.1	2.93	2.51	5	0.3	< 1	0.12	0.36	0.5	0.100	< 0.1
37837	< 5	< 0.2	< 2	5.3	55	3480	2	6	8	531	< 100	0.68	5.63	0.54	3.40	7	0.6	< 1	0.02	0.20	0.4	0.016	< 0.1
37838	< 5	0.3	< 2	10.8	125	3960	< 2	6	4	1070	< 100	1.08	6.25	0.98	2.97	8	0.9	< 1	0.03	0.93	0.3	0.066	< 0.1
37839	< 5	2.5	< 2	31.1	80	3810	8	< 1	138	2510	< 100	16.6	13.1	1.86	3.93	4	0.3	< 1	0.02	0.16	1.1	0.118	0.3
37840	< 5	< 0.2	28	2.1	88	610	3	< 1	3	297	< 100	2.15	3.61	3.57	1.75	4	< 0.1	< 1	0.24	1.50	1.1	0.087	< 0.1
37841	< 5	0.5	6	12.0	41	1930	44	1	22	1110	< 100	7.16	13.9	9.73	3.40	3	0.4	< 1	0.45	0.11	1.8	0.298	< 0.1
37842	9	< 0.2	28	29.6	53	1110	12	1	8	2340	< 100	23.0	2.51	1.18	2.66	5	0.2	< 1	0.12	0.97	1.2	0.294	< 0.1
37843	< 5	0.3	4	1.7	279	490	4	102	3	177	< 100	3.80	3.15	5.95	4.45	12	< 0.1	< 1	0.79	1.55	1.4	0.919	0.2
37844	< 5	< 0.2	< 2	< 0.5	219	531	< 2	80	< 2	89	< 100	3.90	3.24	7.54	4.94	14	0.1	< 1	1.01	1.75	0.7	1.480	< 0.1
37845	< 5	0.3	5	6.0	200	1440	3	17	7	518	< 100	7.66	5.15	3.60	3.45	8	0.3	< 1	0.55	1.22	0.7	1.096	< 0.1
37846	< 5	< 0.2	< 2	2.4	133	1140	3	5	6	207	< 100	5.18	3.82	1.27	3.46	8	0.4	< 1	0.19	0.81	0.3	0.689	< 0.1

Analyte Symbol	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga	Ge	Hg	K	Na	Sb	S	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm
Lower Limit	5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1	0.1	1	0.01	0.01	0.2	0.001	0.1
Method Code	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	MULT INAA / AR-ICP-MS
37847	< 5	0.3	7	6.1	287	702	4	3	6	644	< 100	7.96	1.44	2.16	3.62	7	0.1	< 1	0.16	1.00	2.1	0.657	0.4
37848	< 5	< 0.2	2	2.9	42	631	< 2	1	10	372	< 100	3.36	1.42	2.88	1.45	6	< 0.1	< 1	0.15	1.53	0.9	0.209	< 0.1
37849	< 5	0.4	3	2.4	84	1050	5	5	15	230	< 100	1.93	2.42	2.54	2.78	8	< 0.1	< 1	0.36	1.78	0.8	0.800	< 0.1
37850	< 5	< 0.2	8	1.4	102	322	5	1	< 2	168	< 100	2.69	0.73	6.70	3.53	11	0.1	< 1	0.97	1.35	1.4	0.306	< 0.1
37851	< 5	0.3	3	4.1	47	2860	2	12	15	346	< 100	3.18	10.9	0.70	2.78	5	0.5	< 1	0.08	1.09	0.8	0.147	0.2
37852	< 5	0.3	7	2.6	59	2940	< 2	14	16	291	< 100	2.06	8.91	0.53	3.39	6	0.5	1	0.11	1.61	0.9	0.359	< 0.1
37853	< 5	< 0.2	4	1.3	39	1570	15	12	4	124	< 100	1.17	10.3	1.31	2.25	4	0.1	< 1	0.22	1.78	0.5	0.643	< 0.1
37854	< 5	< 0.2	5	1.0	78	1560	8	13	5	113	< 100	1.08	9.02	1.74	2.58	4	< 0.1	< 1	0.25	2.33	2.0	0.746	< 0.1
37855	< 5	< 0.2	5	0.8	37	633	< 2	3	6	162	100	2.29	0.92	2.58	2.07	8	< 0.1	< 1	0.41	3.96	1.7	0.055	< 0.1
37856	< 5	0.3	5	1.0	146	407	< 2	2	4	153	200	1.85	0.98	2.05	1.90	7	< 0.1	< 1	0.26	3.51	1.2	0.220	< 0.1
37857	< 5	< 0.2	5	< 0.5	7	296	< 2	2	< 2	62	100	0.85	0.46	6.28	2.27	9	< 0.1	< 1	1.12	1.46	0.8	0.028	< 0.1
37858	< 5	< 0.2	8	1.3	60	771	22	3	10	173	200	1.38	2.02	3.14	2.37	8	< 0.1	< 1	0.47	2.44	0.4	0.421	< 0.1
37859	< 5	< 0.2	7	1.1	24	903	< 2	7	11	116	< 100	1.18	5.20	2.20	1.57	3	< 0.1	< 1	0.35	1.80	< 0.2	0.318	< 0.1
37860	< 5	< 0.2	5	1.2	36	434	< 2	3	5	188	< 100	4.71	2.09	9.20	1.80	6	< 0.1	< 1	0.36	1.79	0.8	0.100	< 0.1
37861	< 5	0.5	5	3.7	46	1430	24	5	39	350	200	20.1	7.69	0.75	1.46	2	< 0.1	< 1	0.07	1.97	0.5	0.368	< 0.1
37862	< 5	< 0.2	6	1.8	43	822	< 2	5	10	191	< 100	2.80	3.00	4.17	2.00	7	< 0.1	< 1	0.46	2.23	0.8	0.349	< 0.1
37863	< 5	< 0.2	< 2	< 0.5	24	400	< 2	< 1	2	60	< 100	1.31	1.61	5.83	2.35	10	< 0.1	< 1	0.66	1.87	0.8	0.280	< 0.1
37864	< 5	< 0.2	5	< 0.5	46	475	< 2	1	< 2	65	< 100	0.83	1.66	7.90	2.76	11	< 0.1	< 1	0.62	1.89	1.4	0.257	< 0.1
37865	< 5	< 0.2	4	< 0.5	71	267	< 2	< 1	< 2	34	< 100	2.42	1.41	6.95	1.99	10	< 0.1	< 1	0.53	2.00	1.0	0.211	1.0
37866	< 5	< 0.2	6	0.6	66	373	< 2	< 1	4	94	< 100	2.25	1.12	1.74	1.63	4	< 0.1	< 1	0.16	2.21	0.7	0.394	0.4
37867	< 5	0.3	8	2.9	62	915	3	1	17	195	300	7.13	0.50	1.20	0.92	1	< 0.1	< 1	0.06	2.59	1.0	0.047	0.7
37868	< 5	< 0.2	11	1.6	87	845	5	8	3	182	< 100	1.98	1.26	2.40	2.76	6	< 0.1	< 1	0.20	2.11	1.1	0.628	0.8
37869	< 5	0.4	6	3.5	117	1810	< 2	11	17	397	< 100	5.78	3.82	1.31	3.88	6	0.2	< 1	0.09	1.10	0.9	0.929	0.8
37870	< 5	0.2	10	1.1	91	583	< 2	16	8	151	< 100	2.37	3.14	2.14	3.89	6	< 0.1	< 1	0.16	1.45	1.2	1.399	1.0
37871	< 5	0.4	11	3.9	92	3480	< 2	11	17	361	< 100	2.26	5.21	1.55	4.36	9	0.3	< 1	0.14	0.75	1.3	0.540	0.6
37872	< 5	< 0.2	8	< 0.5	57	329	< 2	16	3	64	< 100	1.80	2.09	2.02	3.09	5	< 0.1	< 1	0.16	1.74	0.8	0.998	0.6
37873	< 5	< 0.2	8	< 0.5	25	431	< 2	9	< 2	85	< 100	0.75	1.10	1.82	1.94	4	< 0.1	< 1	0.08	2.19	0.9	0.142	0.3
37874	< 5	< 0.2	10	< 0.5	83	609	< 2	19	3	79	< 100	2.65	1.85	3.35	3.13	6	< 0.1	< 1	0.24	1.60	1.2	0.898	0.7
37875	< 5	0.3	421	0.9	36	2280	< 2	13	25	141	< 100	0.81	11.6	1.82	2.55	4	< 0.1	< 1	0.17	1.61	344	0.872	0.6
37876	< 5	0.2	8	< 0.5	82	490	3	8	6	65	< 100	3.19	1.47	1.39	3.40	6	< 0.1	< 1	0.11	3.44	0.8	1.418	1.5
37877	< 5	0.5	9	1.0	114	960	< 2	11	18	158	< 100	4.57	2.65	1.46	3.97	5	< 0.1	1	0.13	3.04	1.1	1.494	0.5
37878	< 5	0.6	6	1.6	91	932	2	8	23	237	< 100	6.42	3.53	2.99	4.66	9	< 0.1	< 1	0.40	2.62	< 0.2	1.483	0.3
37879	< 5	2.0	9	8.9	72	629	< 2	4	64	1090	< 100	39.9	1.76	2.07	3.11	7	< 0.1	< 1	0.23	3.21	1.1	0.956	0.7
37880	< 5	0.5	12	3.2	62	1010	< 2	5	25	406	< 100	5.26	2.08	1.66	2.25	6	< 0.1	< 1	0.19	3.08	1.1	0.318	0.4
37881	< 5	0.3	9	1.4	73	698	< 2	4	12	200	< 100	4.55	1.25	2.54	2.71	8	< 0.1	< 1	0.26	3.71	0.7	0.452	0.4
37882	< 5	0.3	14	5.8	85	1810	< 2	11	12	579	< 100	4.09	1.17	2.87	3.78	10	< 0.1	< 1	0.37	3.42	0.7	0.285	0.2
37883	< 5	0.3	65	3.8	96	1010	< 2	8	6	365	< 100	3.40	0.82	2.72	4.51	10	< 0.1	< 1	0.19	3.20	1.7	0.256	0.4
37884	82	0.3	32	1.0	82	751	< 2	9	10	155	< 100	2.79	1.73	3.21	4.30	9	< 0.1	< 1	0.39	2.45	1.4	1.337	0.4
37885	9	0.8	6	< 0.5	68	507	3	5	36	87	< 100	4.62	2.38	1.92	3.00	8	< 0.1	< 1	0.27	2.31	1.1	0.919	1.0
37886	< 5	0.3	7	6.3	86	862	< 2	7	11	635	< 100	2.01	3.81	1.85	3.88	8	0.1	< 1	0.17	1.75	1.1	0.924	1.2
37887	< 5	1.1	7	4.4	118	771	7	12	42	547	< 100	6.79	3.36	2.24	4.58	8	< 0.1	< 1	0.26	2.59	0.6	1.349	0.8
37888	51	0.3	23	< 0.5	213	383	5	12	4	76	< 100	7.35	0.73	2.35	4.50	6	< 0.1	< 1	0.19	2.61	0.9	3.043	1.2
37889	< 5	0.4	13	5.1	92	1190	2	10	11	600	< 100	7.56	2.26	2.11	3.73	5	< 0.1	< 1	0.18	2.64	1.2	1.335	0.6
37890	< 5	0.2	8	0.5	116	664	3	9	5	121	< 100	3.26	1.46	3.32	4.19	7	0.1	< 1	0.35	2.92	1.0	1.570	0.8
37891	377	0.5	23	0.9	290	835	13	14	6	115	< 100	86.5	0.98	1.79	7.04	7	< 0.1	< 1	0.08	2.33	1.7	4.379	1.7
37892	< 5	< 0.2	10	2.4	81	423	67	5	2	325	< 100	2.96	0.83	6.44	3.05	10	< 0.1	< 1	0.92	2.81	0.6	0.956	0.4
37893	< 5	< 0.2	10	< 0.5	45	266	< 2	3	< 2	46	< 100	1.67	0.88	3.40	2.65	8	< 0.1	< 1	0.47	2.58	0.7	0.641	0.5
37894	< 5	< 0.2	9	< 0.5	84	353	< 2	3	4	79	< 100	3.38	0.69	2.40	3.86	7	< 0.1	< 1	0.27	3.20	1.1	1.428	0.5

Activation Laboratories Ltd. Report: A14-07878

Analyte Symbol	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga	Ge	Hg	K	Na	Sb	S	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm
Lower Limit	5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1	0.1	1	0.01	0.01	0.2	0.001	0.1
Method Code	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	MULT INAA / AR-ICP-MS
37895	< 5	< 0.2	6	< 0.5	36	449	< 2	3	< 2	77	< 100	0.94	1.00	3.99	3.24	8	< 0.1	< 1	0.39	3.58	1.0	0.573	0.5
37896	7	< 0.2	6	< 0.5	31	830	< 2	31	3	105	200	0.26	1.86	3.11	5.20	12	0.2	< 1	0.25	2.28	0.5	0.128	0.5
37897	< 5	< 0.2	5	< 0.5	44	778	< 2	29	2	91	300	0.47	1.91	2.97	5.26	12	0.1	< 1	0.37	2.12	< 0.2	0.242	0.5
37898	< 5	0.2	5	< 0.5	149	711	< 2	4	< 2	57	< 100	1.80	0.93	3.88	4.84	10	< 0.1	< 1	0.43	3.22	0.6	1.219	0.6
37899	< 5	< 0.2	7	< 0.5	66	496	< 2	6	< 2	57	200	0.90	0.93	6.61	4.40	11	< 0.1	< 1	0.83	3.07	0.8	0.540	0.3
37900	< 5	< 0.2	5	< 0.5	19	293	< 2	5	< 2	38	100	2.37	0.59	7.79	2.30	11	< 0.1	< 1	0.99	3.00	0.5	0.137	< 0.1
5623510	20	< 0.2	9	< 0.5	74	332	3	4	5	34	< 100	1.98	0.50	1.08	3.19	4	< 0.1	< 1	0.07	3.37	0.6	0.848	0.1
5623511	< 5	< 0.2	8	< 0.5	39	481	< 2	2	< 2	63	200	0.84	0.84	4.95	2.92	10	< 0.1	< 1	0.73	3.77	0.7	0.528	0.2
5623512	< 5	< 0.2	6	< 0.5	56	591	< 2	7	< 2	116	100	2.20	0.85	> 10.0	4.06	12	< 0.1	< 1	1.30	3.40	0.8	0.721	0.4
5623513	< 5	< 0.2	9	< 0.5	53	708	< 2	7	< 2	162	100	1.50	0.95	> 10.0	5.03	14	< 0.1	< 1	1.49	3.37	1.6	0.883	0.2
5623514	84	0.7	10	11.9	134	895	5	10	10	1400	< 100	28.2	1.28	4.30	4.73	10	< 0.1	< 1	0.45	3.55	0.9	1.446	0.6
5623515	< 5	< 0.2	9	0.7	60	788	< 2	6	< 2	142	< 100	2.77	1.17	4.55	4.51	8	< 0.1	< 1	0.47	3.84	0.8	0.956	0.6
5623516	5	< 0.2	13	< 0.5	115	692	< 2	5	6	81	< 100	8.46	1.17	8.58	5.57	12	< 0.1	< 1	0.99	3.38	0.8	1.817	0.9
5623517	< 5	< 0.2	6	< 0.5	8	665	< 2	3	< 2	116	300	0.35	0.78	> 10.0	4.59	11	< 0.1	< 1	1.57	3.09	0.3	0.095	0.7
5623518	< 5	< 0.2	4	< 0.5	42	605	< 2	3	< 2	95	200	1.18	0.69	> 10.0	4.23	10	< 0.1	< 1	1.05	3.65	0.7	0.464	0.1
5623519	< 5	< 0.2	10	< 0.5	75	372	< 2	3	< 2	37	< 100	2.37	0.94	2.17	4.12	5	< 0.1	< 1	0.22	4.12	< 0.2	1.164	0.3
5623520	< 5	0.9	7	10.5	127	839	6	4	18	969	< 100	24.6	3.37	4.17	2.86	8	< 0.1	< 1	0.73	1.50	1.4	1.006	0.8
5623521	13	< 0.2	8	1.5	26	368	< 2	4	< 2	139	< 100	1.59	1.41	3.59	2.32	8	< 0.1	< 1	0.60	1.66	0.7	0.685	0.5
5623522	< 5	< 0.2	37	4.9	32	1320	6	9	3	317	< 100	1.24	9.31	1.43	2.43	5	< 0.1	< 1	0.13	1.45	3.0	0.317	0.7
5623523	49	0.9	9	3.8	115	785	7	8	6	225	< 100	65.1	6.70	2.37	4.40	9	0.1	< 1	0.34	1.31	1.4	1.571	1.6
5623524	14	0.6	9	26.8	115	703	5	12	19	1700	< 100	8.47	4.46	2.04	3.92	7	< 0.1	< 1	0.36	1.47	1.1	1.677	1.0
5623525	< 5	0.2	8	0.9	179	332	3	2	4	98	< 100	4.66	0.69	1.17	2.39	5	< 0.1	< 1	0.27	2.18	1.0	0.452	0.3
5623526	< 5	< 0.2	7	1.7	72	466	5	1	13	192	100	2.33	2.24	1.34	1.73	3	< 0.1	< 1	0.11	2.40	0.6	0.743	0.4
5623527	< 5	0.2	9	3.8	169	1630	9	6	11	400	< 100	5.23	7.20	1.61	2.82	4	< 0.1	< 1	0.17	1.28	1.0	0.979	0.4
5623528	< 5	1.9	8	19.6	231	3680	< 2	10	57	1850	< 100	51.7	11.4	1.21	2.75	5	0.2	< 1	0.06	0.55	0.8	0.597	0.7
5623529	< 5	0.9	9	6.2	372	2350	6	6	15	595	< 100	11.8	3.36	2.16	3.31	7	0.2	< 1	0.16	1.38	1.0	0.962	0.4
5623530	< 5	0.3	10	2.7	113	1440	4	3	13	221	< 100	5.56	1.50	1.60	2.51	5	0.1	< 1	0.15	2.48	1.1	0.699	0.5
5623531	< 5	< 0.2	7	< 0.5	37	142	3	2	< 2	36	< 100	0.82	0.59	2.95	2.05	6	< 0.1	< 1	0.41	1.45	0.7	0.585	0.2
5623532	< 5	< 0.2	4	< 0.5	34	340	3	< 1	< 2	62	< 100	0.87	0.70	2.28	1.76	5	< 0.1	< 1	0.30	2.12	0.3	0.429	0.3
5623533	< 5	< 0.2	7	< 0.5	27	187	7	1	< 2	30	< 100	0.99	0.80	1.04	2.02	5	< 0.1	< 1	0.13	2.20	0.3	0.586	< 0.1
5623534	< 5	< 0.2	5	< 0.5	47	219	5	< 1	< 2	51	< 100	2.68	0.55	1.50	1.74	4	< 0.1	< 1	0.24	2.21	0.3	0.426	< 0.1
5623535	20	2.3	7	15.3	203	1310	10	6	114	1250	< 100	82.9	6.63	1.24	2.38	4	< 0.1	< 1	0.12	1.64	0.6	0.687	0.5
5623536	< 5	2.6	8	27.6	235	1940	< 2	10	66	2390	< 100	68.2	8.37	0.72	3.29	5	0.3	< 1	0.08	1.06	0.5	0.680	0.9
5623537	< 5	0.4	7	15.6	87	2860	< 2	7	12	1720	< 100	6.69	5.77	0.67	2.63	4	0.2	< 1	0.10	0.66	0.8	0.664	0.2
5623538	< 5	< 0.2	7	13.5	64	3830	4	4	5	1320	< 100	3.26	4.44	1.78	2.84	7	0.3	< 1	0.13	0.74	1.0	0.176	0.1
5623539	< 5	< 0.2	6	1.7	114	404	3	< 1	8	155	< 100	1.75	0.61	1.33	2.56	3	< 0.1	< 1	0.14	2.76	0.9	0.653	0.3
5623540	< 5	0.6	8	4.3	85	586	7	1	29	519	< 100	11.0	0.59	0.61	1.79	2	< 0.1	< 1	0.06	3.73	0.8	0.430	0.1
5623541	13	< 0.2	10	< 0.5	111	231	3	2	< 2	24	< 100	1.74	0.92	1.50	2.24	4	< 0.1	< 1	0.13	2.40	1.0	0.954	0.3
5623542	< 5	0.8	33	1.4	101	449	< 2	< 1	45	206	< 100	14.4	0.58	1.54	1.70	4	< 0.1	< 1	0.28	2.83	1.7	0.337	< 0.1
5623543	< 5	0.2	8	1.4	109	500	2	2	7	153	< 100	6.23	0.67	1.65	2.24	4	< 0.1	< 1	0.18	2.85	0.8	0.518	0.2
5623544	< 5	0.3	3	0.6	325	394	< 2	27	3	79	< 100	3.35	1.94	2.80	4.08	6	< 0.1	< 1	0.08	1.83	1.6	1.374	0.5
5623545	< 5	0.5	4	1.5	479	797	5	50	4	217	< 100	6.55	3.09	7.15	5.75	7	0.1	< 1	0.06	1.39	1.3	2.484	1.0
5623546	17	1.4	7	1.8	1010	839	3	26	8	210	< 100	15.6	1.67	1.47	6.33	5	0.1	< 1	0.07	0.98	1.2	3.472	2.0
5623547	< 5	< 0.2	16	< 0.5	87	511	< 2	3	< 2	49	< 100	1.66	1.15	1.56	4.93	8	< 0.1	< 1	0.10	4.26	1.0	0.817	0.2
5623548	< 5	< 0.2	3	2.5	53	423	< 2	< 1	< 2	236	< 100	0.67	0.91	1.86	3.89	5	< 0.1	< 1	0.13	3.78	0.9	0.274	0.3
5623549	< 5	< 0.2	19	< 0.5	63	728	< 2	6	< 2	43	100	0.97	1.73	2.11	6.24	6	< 0.1	< 1	0.19	2.69	1.2	0.866	0.2

70

Results

Analyte Symbol	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	ppm	g
Lower Limit	0.1	0.1	4	
Method Code	AR-MS	AR-MS	INAA	INAA
37801	0.4	1.6	< 4	30.9
37802	0.8	1.5	5	32.9
37803	0.1	0.5	5	28.7
37804	< 0.1	0.5	< 4	29.4
37805	< 0.1	0.3	< 4	37.8
37806	< 0.1	0.3	< 4	29.8
37807	< 0.1	0.3	16	29.4
37808	< 0.1	0.7	9	28.8
37809	< 0.1	1.2	< 4	31.3
37810	0.1	0.9	< 4	29.4
37811	0.3	0.4	10	31.4
37812	< 0.1	0.4	24	33.1
37813	0.1	0.3	< 4	31.0
37814	0.3	0.3	12	34.1
37815	< 0.1	1.5	< 4	28.6
37816	< 0.1	1.4	< 4	28.6
37817	0.2	1.6	< 4	30.3
37818	0.2	1.3	< 4	29.4
37819	0.4	0.4	< 4	32.2
37820	0.1	0.7	< 4	29.1
37821	< 0.1	0.3	< 4	30.6
37822	< 0.1	0.8	< 4	30.9
37823	< 0.1	1.0	< 4	30.8
37824	< 0.1	0.9	< 4	29.3
37825	0.1	0.8	< 4	30.9
37826	< 0.1	0.6	< 4	28.3
37827	< 0.1	1.1	< 4	31.8
37828	< 0.1	0.8	7	29.7
37829	< 0.1	0.1	< 4	32.7
37830	< 0.1	0.2	< 4	29.4
37831	< 0.1	< 0.1	45	33.3
37832	< 0.1	0.9	< 4	29.9
37833	< 0.1	0.3	< 4	30.1
37834	0.6	0.1	< 4	30.0
37835	0.8	0.2	< 4	35.4
37836	< 0.1	0.1	< 4	30.4
37837	< 0.1	< 0.1	< 4	43.0
37838	< 0.1	< 0.1	7	33.3
37839	2.3	< 0.1	59	37.0
37840	0.5	0.2	8	28.6
37841	0.6	0.5	< 4	35.7
37842	4.0	0.1	65	30.5
37843	0.9	1.1	5	34.0
37844	1.0	1.5	< 4	30.2
37845	2.0	0.7	< 4	29.2
37846	1.6	0.2	7	31.0
37847	3.5	0.2	17	29.1
37848	0.4	< 0.1	< 4	30.1
37849	0.2	0.3	7	33.2

71

Analyte Symbol	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	ppm	g
Lower Limit	0.1	0.1	4	
Method Code	AR-MS	AR-MS	INAA	INAA
37850	1.2	0.8	< 4	32.4
37851	0.4	0.1	5	38.0
37852	0.2	0.1	< 4	32.0
37853	0.3	0.1	< 4	36.5
37854	< 0.1	0.2	< 4	31.1
37855	< 0.1	0.5	< 4	31.7
37856	< 0.1	0.3	< 4	31.4
37857	0.2	0.9	< 4	32.3
37858	< 0.1	0.7	< 4	34.4
37859	< 0.1	0.2	< 4	32.3
37860	0.3	0.4	< 4	27.8
37861	0.2	< 0.1	< 4	34.3
37862	0.1	0.6	< 4	31.3
37863	< 0.1	0.8	< 4	34.1
37864	< 0.1	0.7	< 4	30.9
37865	1.3	0.6	< 4	31.8
37866	0.6	0.2	< 4	31.1
37867	0.5	0.1	< 4	30.7
37868	0.5	0.3	< 4	32.3
37869	0.6	0.1	< 4	32.5
37870	0.7	0.2	< 4	31.9
37871	0.4	0.2	< 4	36.4
37872	0.5	0.2	< 4	30.8
37873	0.3	< 0.1	< 4	30.8
37874	0.9	0.3	< 4	31.2
37875	0.3	0.2	< 4	31.0
37876	0.6	0.1	< 4	28.0
37877	0.2	0.2	< 4	32.5
37878	0.2	0.5	< 4	30.1
37879	1.5	0.4	16	29.6
37880	0.4	0.2	< 4	25.4
37881	0.3	0.4	< 4	30.3
37882	0.2	0.5	< 4	29.0
37883	0.3	0.3	< 4	29.2
37884	0.4	0.6	< 4	30.4
37885	0.5	0.4	< 4	32.0
37886	0.5	0.3	< 4	34.2
37887	0.7	0.3	< 4	30.3
37888	1.9	0.2	< 4	27.1
37889	1.1	0.3	< 4	29.8
37890	0.9	0.6	< 4	30.3
37891	18.3	0.2	< 4	30.9
37892	1.4	1.0	19	27.9
37893	0.9	0.6	< 4	29.2
37894	0.9	0.4	< 4	30.2
37895	0.6	0.6	< 4	29.9
37896	0.3	0.4	< 4	33.3
37897	0.4	0.5	< 4	31.9
37898	0.5	0.7	< 4	26.9
37899	0.3	1.2	< 4	26.8

72

Analyte Symbol	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	ppm	g
Lower Limit	0.1	0.1	4	
Method Code	AR-MS	AR-MS	INAA	INAA
37900	1.2	1.7	< 4	30.6
5623510	0.6	0.1	< 4	28.7
5623511	0.4	1.1	< 4	26.1
5623512	0.9	2.1	< 4	27.3
5623513	0.3	2.4	< 4	27.0
5623514	1.9	0.9	20	28.1
5623515	0.8	0.9	< 4	26.4
5623516	2.6	1.7	< 4	30.0
5623517	0.5	2.6	< 4	25.9
5623518	0.5	1.8	< 4	30.5
5623519	1.3	0.4	< 4	29.5
5623520	1.2	0.8	< 4	27.9
5623521	0.7	0.6	< 4	29.8
5623522	0.3	0.2	< 4	28.0
5623523	24.1	0.4	< 4	29.8
5623524	3.2	0.6	< 4	29.2
5623525	1.5	0.2	< 4	28.9
5623526	0.6	< 0.1	< 4	32.4
5623527	1.1	0.2	< 4	30.2
5623528	2.0	< 0.1	< 4	33.3
5623529	0.7	0.1	< 4	31.4
5623530	0.5	0.2	< 4	28.1
5623531	0.4	0.4	< 4	28.1
5623532	0.4	0.3	< 4	27.8
5623533	0.1	0.1	< 4	29.6
5623534	1.2	0.2	< 4	29.3
5623535	5.8	0.1	< 4	29.5
5623536	5.1	< 0.1	< 4	33.2
5623537	0.8	< 0.1	< 4	33.2
5623538	0.4	0.1	6	31.7
5623539	0.4	< 0.1	< 4	27.4
5623540	0.7	< 0.1	< 4	31.4
5623541	0.5	< 0.1	< 4	30.0
5623542	1.0	0.1	8	29.1
5623543	0.5	< 0.1	< 4	28.1
5623544	0.7	< 0.1	< 4	29.5
5623545	1.2	< 0.1	10	33.1
5623546	3.3	< 0.1	27	31.8
5623547	0.3	0.1	< 4	30.6
5623548	< 0.1	0.2	< 4	32.0
5623549	0.1	0.2	< 4	29.9

QC

Analyte Symbol	Au	Ag	Ag	As	Cd	Cu	Mn	Mo	Ni	Ni	Pb	Zn	Zn	Ba	Ba	Bi	Ca	Cs	Cs	Fe	Ga	Ge	Hg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	5	0.2	5	2	0.5	1	2	2	1	50	2	1	50	1	100	0.10	0.01	0.05	2	0.02	1	0.1	1
Method Code	INAA	AR-ICP	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	AR-ICP	AR-ICP	INAA	AR-ICP	INAA	AR-MS	AR-ICP	AR-MS	INAA	INAA	AR-MS	AR-MS	INAA
GXR-1 Meas		29.2			1.9	1100	798	14	28		626	684		> 500		> 1000	0.86	2.62			7		
GXR-1 Cert		31.0			3.30	1110	852	18.0	41.0		730	760		750		1380	0.960	3.00			13.8		
GXR-1 Meas		28.8			2.0	1090	808	14	30		621	678		> 500		> 1000	0.84	2.76			6		
GXR-1 Cert		31.0			3.30	1110	852	18.0	41.0		730	760		750		1380	0.960	3.00			13.8		
GXR-4 Meas		3.8			< 0.5	6620	144	337	36		42	71		32		20.0	0.97	2.42			13		
GXR-4 Cert		4.0			0.860	6520	155	310	42.0		52.0	73.0		1640		19.0	1.01	2.80			20.0		
GXR-4 Meas		3.7			< 0.5	6620	142	335	36		44	70		30		21.8	0.96	2.63			13		
GXR-4 Cert		4.0			0.860	6520	155	310	42.0		52.0	73.0		1640		19.0	1.01	2.80			20.0		
GXR-6 Meas		0.4			< 0.5	68	1050	< 2	22		90	123		> 500		0.24	0.17	3.76			18		
GXR-6 Cert		1.30			1.00	66.0	1010	2.40	27.0		101	118		1300		0.290	0.180	4.20			35.0		
GXR-6 Meas		0.3			< 0.5	68	1010	3	22		86	119		> 500		0.22	0.18	4.02			18		
GXR-6 Cert		1.30			1.00	66.0	1010	2.40	27.0		101	118		1300		0.290	0.180	4.20			35.0		
SAR-M (U.S.G.S.) Meas		4.0			5.8	348	4930	13	43		1020	1030		277		1.91	0.32				6		
SAR-M (U.S.G.S.) Cert		3.64			5.27	331.0000	5220	13.1	41.5		982	930.0		801		1.94	0.61				17		
SAR-M (U.S.G.S.) Meas		3.4			5.3	336	4730	13	40		996	995		275		2.14	0.31				6		
SAR-M (U.S.G.S.) Cert		3.64			5.27	331.0000	5220	13.1	41.5		982	930.0		801		1.94	0.61				17		
DMMAS 117 Meas	1750			1700											1100					3.16			
DMMAS 117 Cert	1720			1745											1228					3.11			
DMMAS 117 Meas	1780			1720											1200					3.21			
DMMAS 117 Cert	1720			1745											1228					3.11			
DMMAS 117 Meas	1710			1650											1200					3.23			
DMMAS 117 Cert	1720			1745											1228					3.11			
37813 Orig		< 0.2			2.4	138	622	4	4		3	287		37		0.79	1.14	1.97			4	< 0.1	
37813 Dup		< 0.2			2.4	141	643	4	4		2	291		36		0.82	1.18	2.21			4	0.1	
37827 Orig		< 0.2			< 0.5	45	352	< 2	2		< 2	62		115		0.23	0.30	6.96			10	< 0.1	
37827 Dup		< 0.2			< 0.5	45	354	2	2		< 2	62		115		0.22	0.31	6.70			10	< 0.1	
37840 Orig		< 0.2			2.1	89	617	3	< 1		4	299		65		2.26	3.66	3.59			4	< 0.1	
37840 Dup		< 0.2			2.2	87	603	3	< 1		3	294		60		2.05	3.56	3.56			4	< 0.1	
37854 Orig		< 0.2			1.0	77	1550	7	13		4	112		48		1.07	8.99	1.75			4	< 0.1	
37854 Dup		< 0.2			1.0	79	1570	8	13		5	114		49		1.10	9.04	1.72			4	< 0.1	
37860 Orig	< 5	< 0.2	< 5	5	1.2	36	434	< 2	3	< 50	5	188	260	81	800	4.71	2.09	9.20	12	1.80	6	< 0.1	< 1
37860 Split	< 5	< 0.2	< 5	6	1.2	36	437	< 2	3	< 50	6	186	260	82	800	5.29	2.11	8.90	10	1.81	6	< 0.1	< 1
37877 Orig		0.5			1.1	113	962	< 2	10		18	158		49		4.27	2.66	1.44			5	< 0.1	
37877 Dup		0.5			1.0	115	958	3	11		18	158		51		4.87	2.65	1.47			5	< 0.1	
37891 Orig		0.5			1.0	287	836	13	15		7	114		33		84.7	0.98	1.77			7	< 0.1	
37891 Dup		0.5			0.8	294	835	13	14		6	116		32		88.4	0.99	1.82			7	< 0.1	
37900 Orig	< 5	< 0.2	< 5	5	< 0.5	19	293	< 2	5	< 50	< 2	38	< 50	147	700	2.37	0.59	7.79	9	2.30	11	< 0.1	< 1
37900 Split	< 5	< 0.2	< 5	90	< 0.5	21	309	< 2	5	< 50	< 2	40	< 50	153	500	2.37	0.61	7.73	10	2.30	11	< 0.1	< 1
5623513 Orig		< 0.2			< 0.5	55	711	< 2	8		< 2	164		116		1.47	0.96	> 10.0			15	< 0.1	
5623513 Dup		< 0.2			< 0.5	52	706	< 2	7		< 2	161		123		1.52	0.95	> 10.0			14	< 0.1	
5623527 Orig		0.2			3.9	170	1650	9	7		11	406		57		5.25	7.25	1.64			4	< 0.1	
5623527 Dup		0.2			3.8	167	1620	9	6		11	394		57		5.20	7.15	1.58			4	< 0.1	
5623529 Orig	< 5	0.9	< 5	9	6.2	372	2350	6	6	< 50	15	595	650	41	500	11.8	3.36	2.16	3	3.31	7	0.2	< 1
5623529 Split	< 5	0.9	< 5	8	6.2	384	2400	6	5	< 50	14	591	530	43	500	10.5	3.43	2.20	5	3.13	7	0.2	< 1
5623545 Orig		0.5			1.6	478	796	5	50		4	218		33		6.55	3.05	7.08			7	0.1	
5623545 Dup		0.5			1.5	480	798	5	49		5	217		32		6.55	3.13	7.22			7	0.1	

Analyte Symbol	Au	Ag	Ag	As	Cd	Cu	Mn	Mo	Ni	Ni	Pb	Zn	Zn	Ba	Ba	Bi	Ca	Cs	Cs	Fe	Ga	Ge	Hg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	5	0.2	5	2	0.5	1	2	2	1	50	2	1	50	1	100	0.10	0.01	0.05	2	0.02	1	0.1	1
Method Code	INAA	AR-ICP	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	AR-ICP	AR-ICP	INAA	AR-ICP	INAA	AR-MS	AR-ICP	AR-MS	INAA	INAA	AR-MS	AR-MS	INAA
Method Blank		< 0.2			< 0.5	< 1	< 2	< 2	< 1		< 2	< 1		9		< 0.10	< 0.01	< 0.05			< 1	< 0.1	
Method Blank		< 0.2			< 0.5	< 1	< 2	< 2	< 1		< 2	< 1		10		< 0.10	< 0.01	< 0.05			< 1	< 0.1	
Method Blank		< 0.2			< 0.5	< 1	< 2	< 2	< 1		< 2	< 1		9		< 0.10	< 0.01	< 0.05			< 1	< 0.1	
Method Blank	< 5		< 5	< 2						< 50			< 50		< 100				< 2	< 0.02			< 1

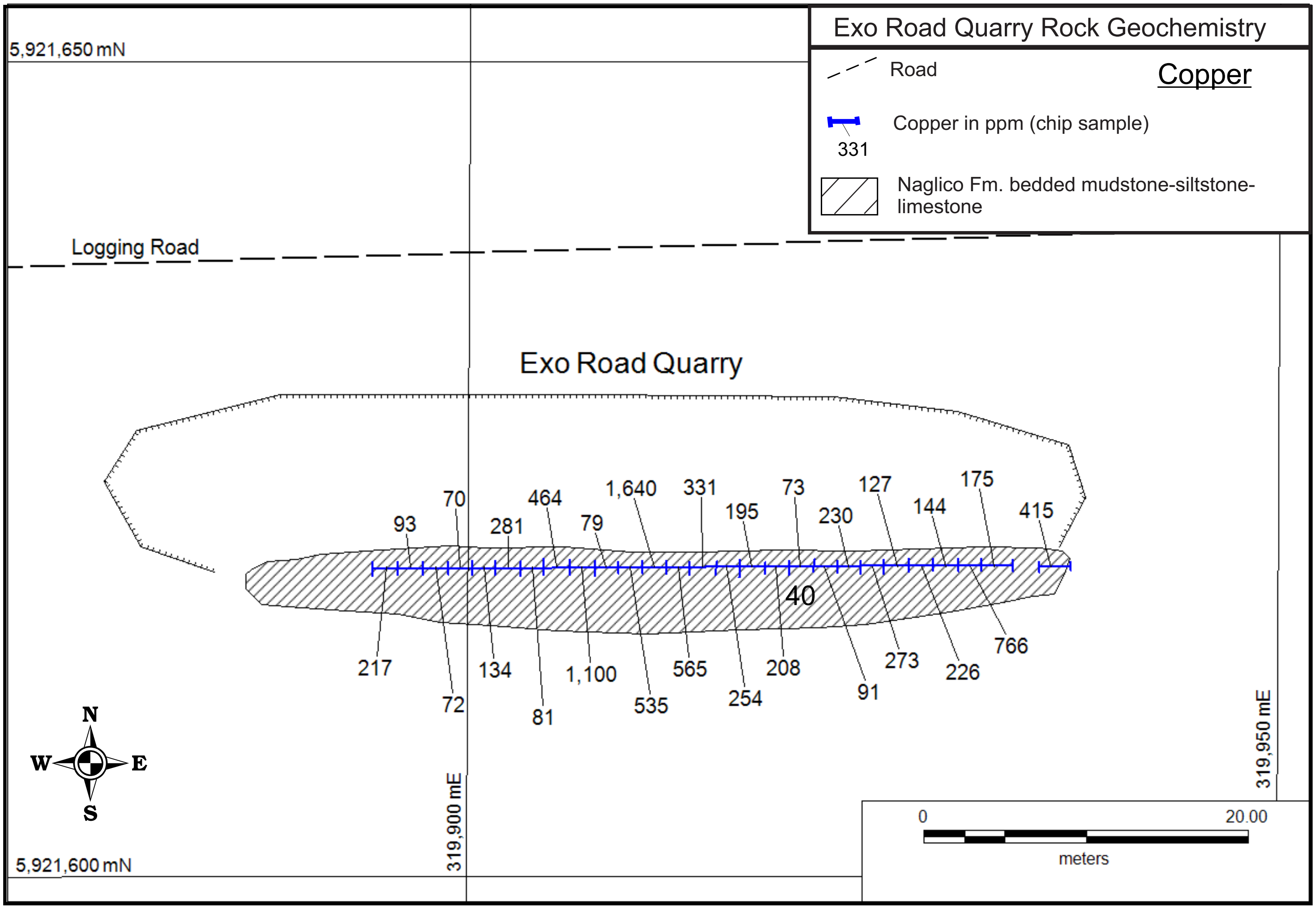
QC

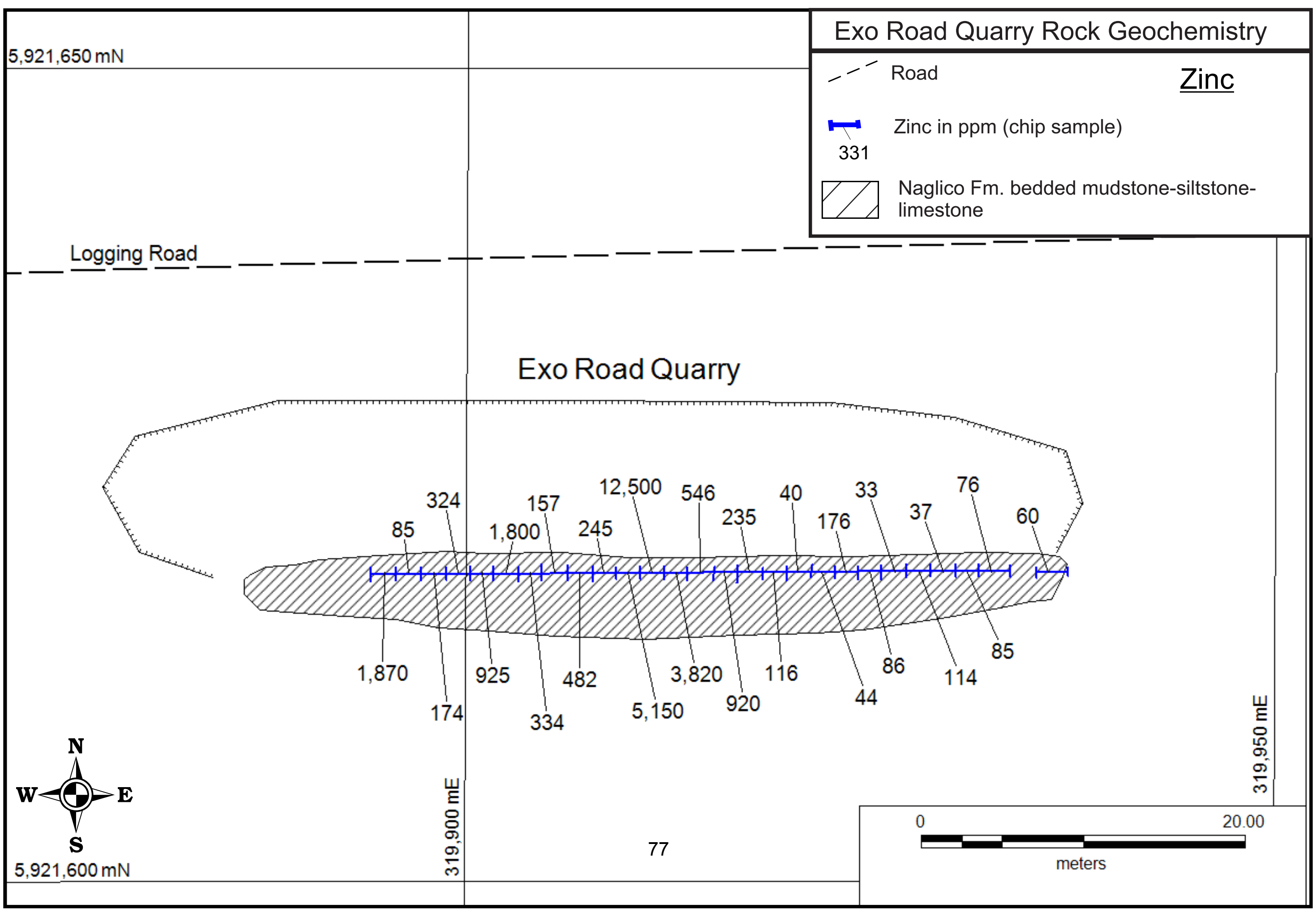
Analyte Symbol	K	Na	Sb	S	Se	Se	Te	Tl	W	Mass
Unit Symbol	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.01	0.01	0.2	0.001	0.1	3	0.1	0.1	4	
Method Code	AR-ICP	INAA	INAA	AR-ICP	AR-MS	INAA	AR-MS	AR-MS	INAA	INAA
GXR-1 Meas	0.04			0.192	14.9		12.7	0.4		
GXR-1 Cert	0.050			0.257	16.6		13.0	0.390		
GXR-1 Meas	0.03			0.189	14.5		13.7	0.4		
GXR-1 Cert	0.050			0.257	16.6		13.0	0.390		
GXR-4 Meas	1.93			1.807	5.6		1.0	3.3		
GXR-4 Cert	4.01			1.77	5.60		0.970	3.20		
GXR-4 Meas	1.91			1.792	5.9		1.0	3.4		
GXR-4 Cert	4.01			1.77	5.60		0.970	3.20		
GXR-6 Meas	1.27			0.013	< 0.1		< 0.1	2.3		
GXR-6 Cert	1.87			0.0160	0.940		0.0180	2.20		
GXR-6 Meas	1.24			0.020	0.4		< 0.1	2.2		
GXR-6 Cert	1.87			0.0160	0.940		0.0180	2.20		
SAR-M (U.S.G.S.) Meas	0.32				0.7		1.0	1.0		
SAR-M (U.S.G.S.) Cert	2.94				0.39		0.96	2.7		
SAR-M (U.S.G.S.) Meas	0.30				0.8		1.0	1.1		
SAR-M (U.S.G.S.) Cert	2.94				0.39		0.96	2.7		
DMMAS 117 Meas		2.05	6.3							
DMMAS 117 Cert		1.96	6.7							
DMMAS 117 Meas		2.09	6.6							
DMMAS 117 Cert		1.96	6.7							
DMMAS 117 Meas		2.06	6.7							
DMMAS 117 Cert		1.96	6.7							
37813 Orig	0.16			0.947	0.5		0.1	0.3		
37813 Dup	0.16			0.975	0.6		0.1	0.3		
37827 Orig	0.99			0.188	0.1		< 0.1	1.1		
37827 Dup	0.99			0.188	< 0.1		< 0.1	1.0		
37840 Orig	0.25			0.088	< 0.1		0.6	0.2		
37840 Dup	0.24			0.087	< 0.1		0.4	0.2		
37854 Orig	0.25			0.742	< 0.1		< 0.1	0.2		
37854 Dup	0.25			0.750	0.1		0.2	0.2		
37860 Orig	0.36	1.79	0.8	0.100	< 0.1	< 3	0.3	0.4	< 4	27.8
37860 Split	0.37	1.77	0.5	0.102	< 0.1	< 3	0.3	0.4	< 4	30.1
37877 Orig	0.13			1.496	0.5		0.3	0.2		
37877 Dup	0.13			1.492	0.5		0.1	0.2		
37891 Orig	0.08			4.348	1.7		16.9	0.2		
37891 Dup	0.08			4.411	1.7		19.7	0.2		
37900 Orig	0.99	3.00	0.5	0.137	< 0.1	< 3	1.2	1.7	< 4	30.6

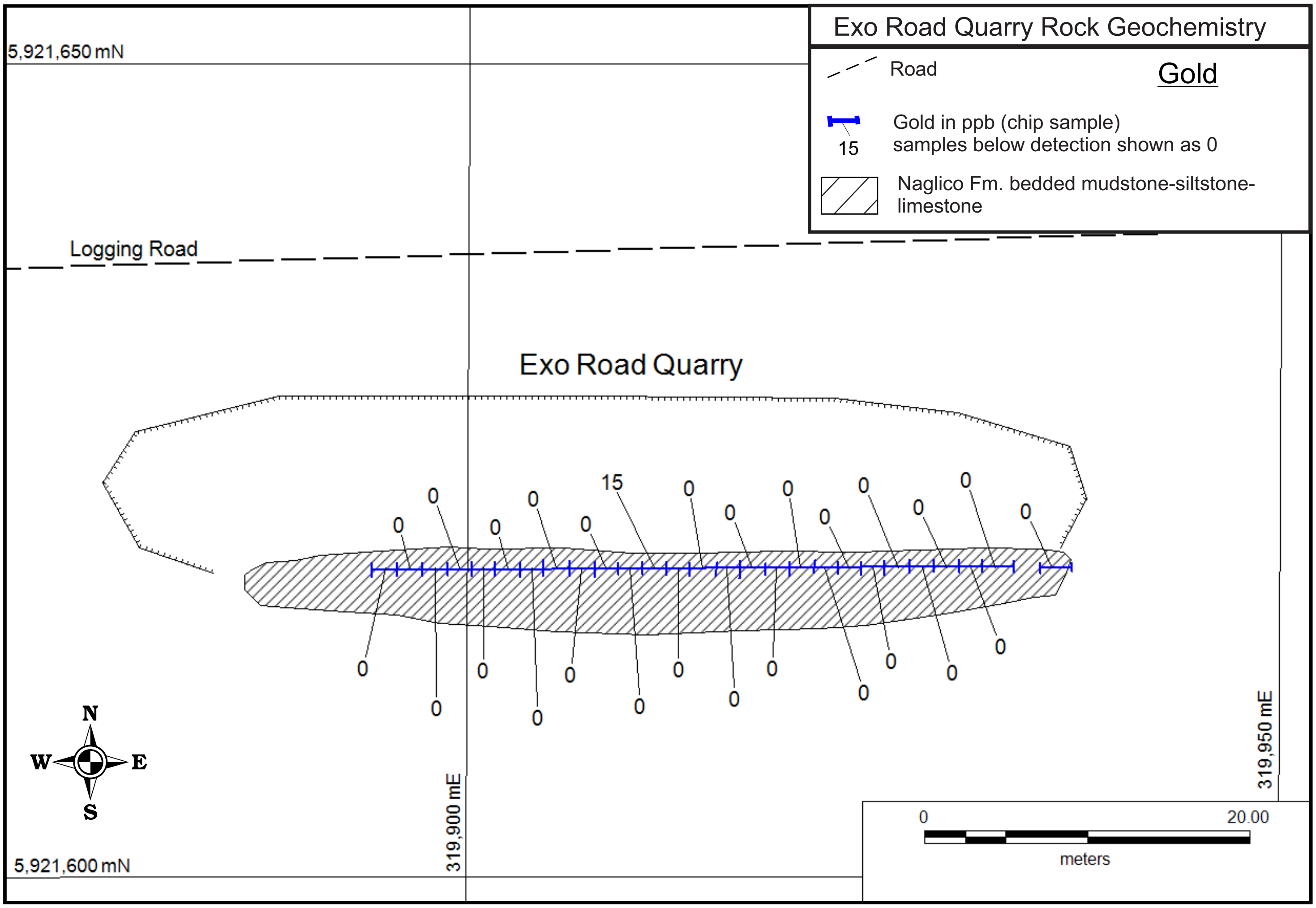
75

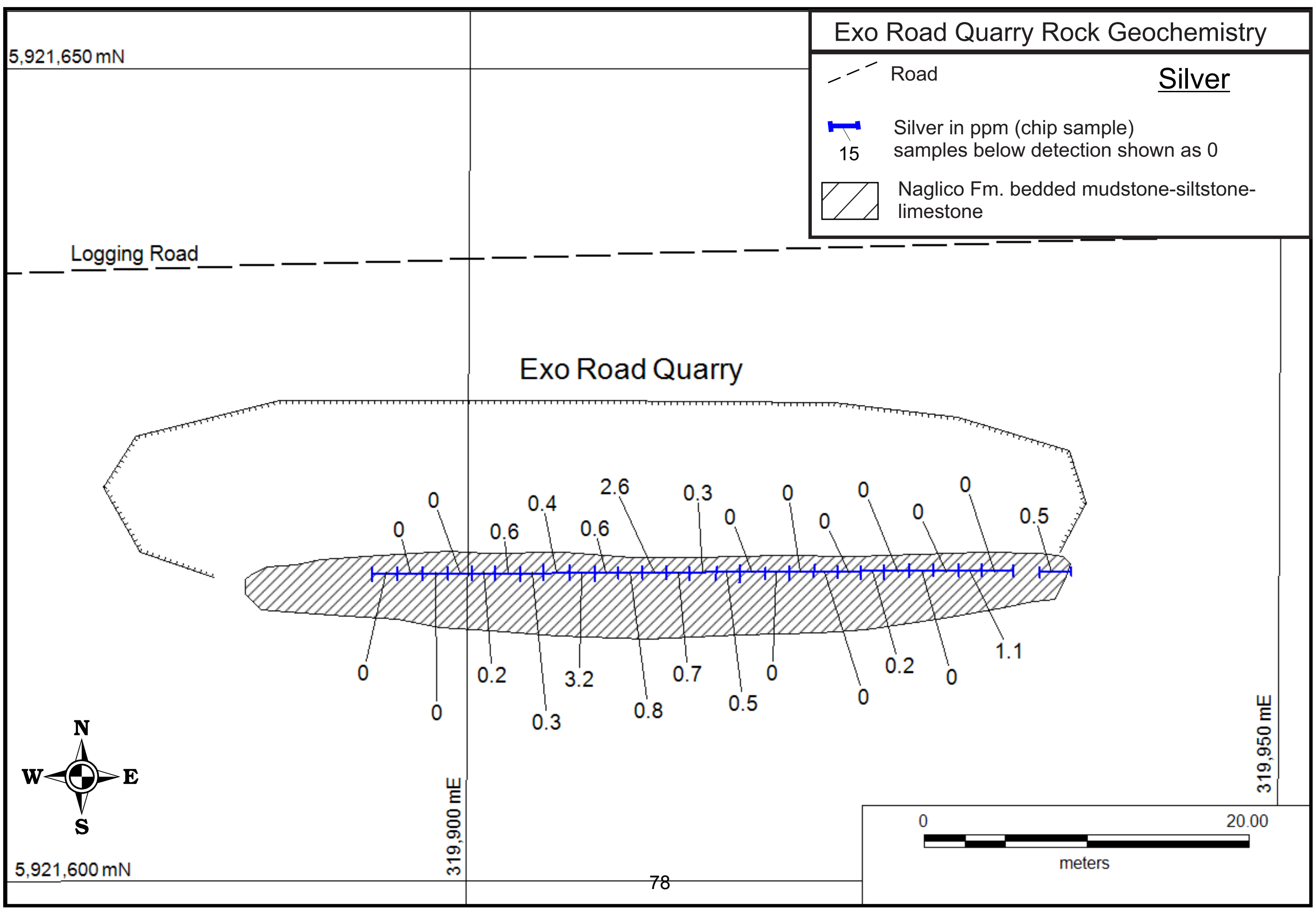
Analyte Symbol	K	Na	Sb	S	Se	Se	Te	Tl	W	Mass
Unit Symbol	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.01	0.01	0.2	0.001	0.1	3	0.1	0.1	4	
Method Code	AR-ICP	INAA	INAA	AR-ICP	AR-MS	INAA	AR-MS	AR-MS	INAA	INAA
37900 Split	1.02	2.85	0.6	0.156	< 0.1	< 3	1.6	1.6	< 4	25.5
5623513 Orig	1.50			0.888	0.1		0.2	2.3		
5623513 Dup	1.49			0.877	0.2		0.3	2.4		
5623527 Orig	0.18			0.991	0.5		1.0	0.2		
5623527 Dup	0.17			0.967	0.3		1.1	0.2		
5623529 Orig	0.16	1.38	1.0	0.962	0.4	< 3	0.7	0.1	< 4	31.4
5623529 Split	0.16	1.31	0.9	0.972	0.4	< 3	0.6	0.2	< 4	34.3
5623545 Orig	0.06			2.452	1.1		1.2	< 0.1		
5623545 Dup	0.06			2.516	1.0		1.2	< 0.1		
Method Blank	< 0.01			< 0.001	< 0.1		< 0.1	< 0.1		
Method Blank	< 0.01			< 0.001	< 0.1		< 0.1	< 0.1		
Method Blank	< 0.01			< 0.001	< 0.1		< 0.1	< 0.1		
Method Blank		< 0.01	< 0.2			< 3			< 4	30.0

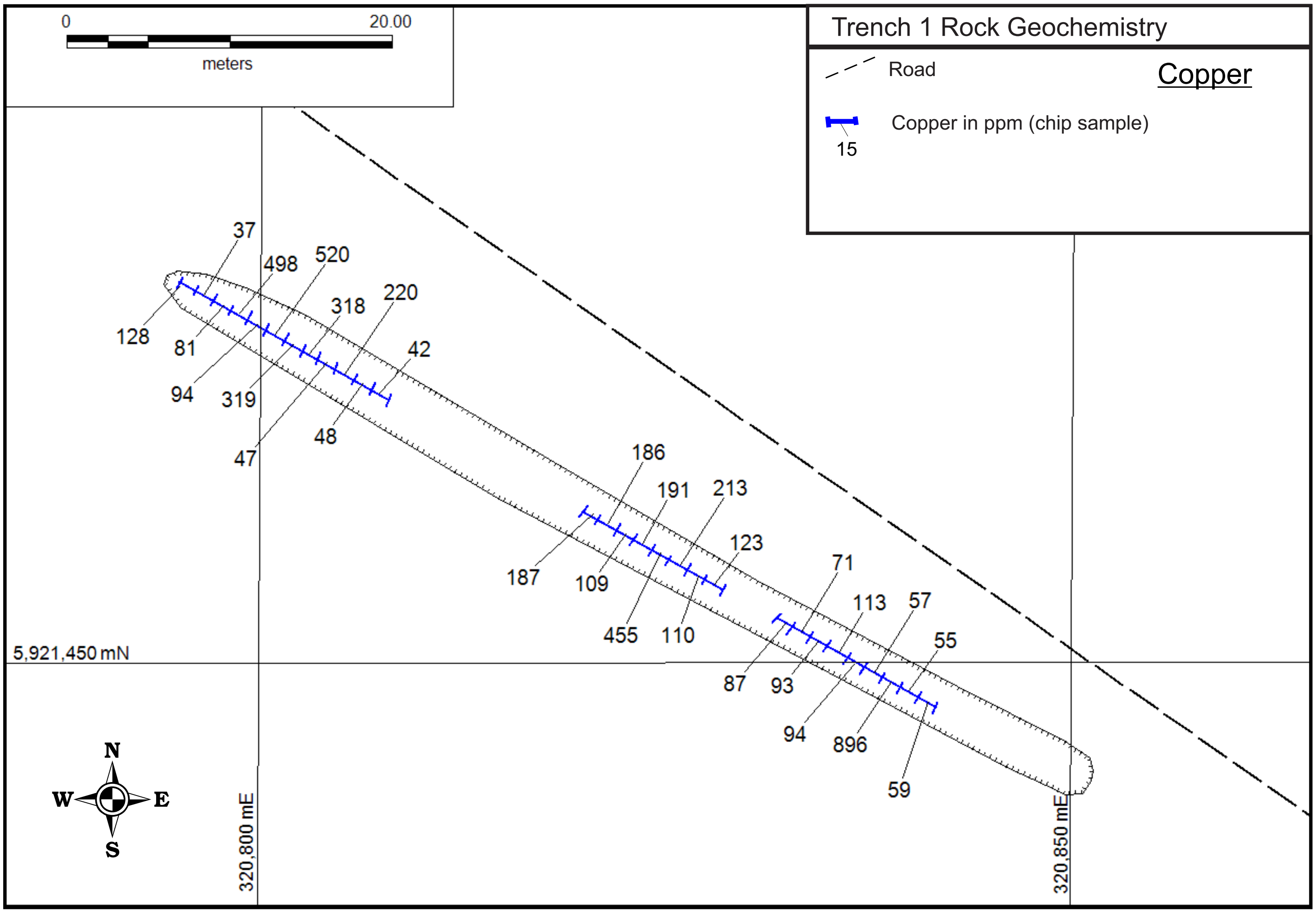
Appendix C – Trench Geochemistry Maps


Exo Road Quarry Rock Geochemistry
Road
Copper
Copper in ppm (chip sample)
331
Naglico Fm. bedded mudstone-siltstone-limestone
5,921,650 mN
Logging Road
Exo Road Quarry
93
70
281
464
79
1,640
331
195
73
230
127
144
175
415
40
217
72
134
81
1,100
535
565
254
208
91
273
226
766
N
W
E
S
319,900 mE
319,950 mE
5,921,600 mN
0
20.00
meters

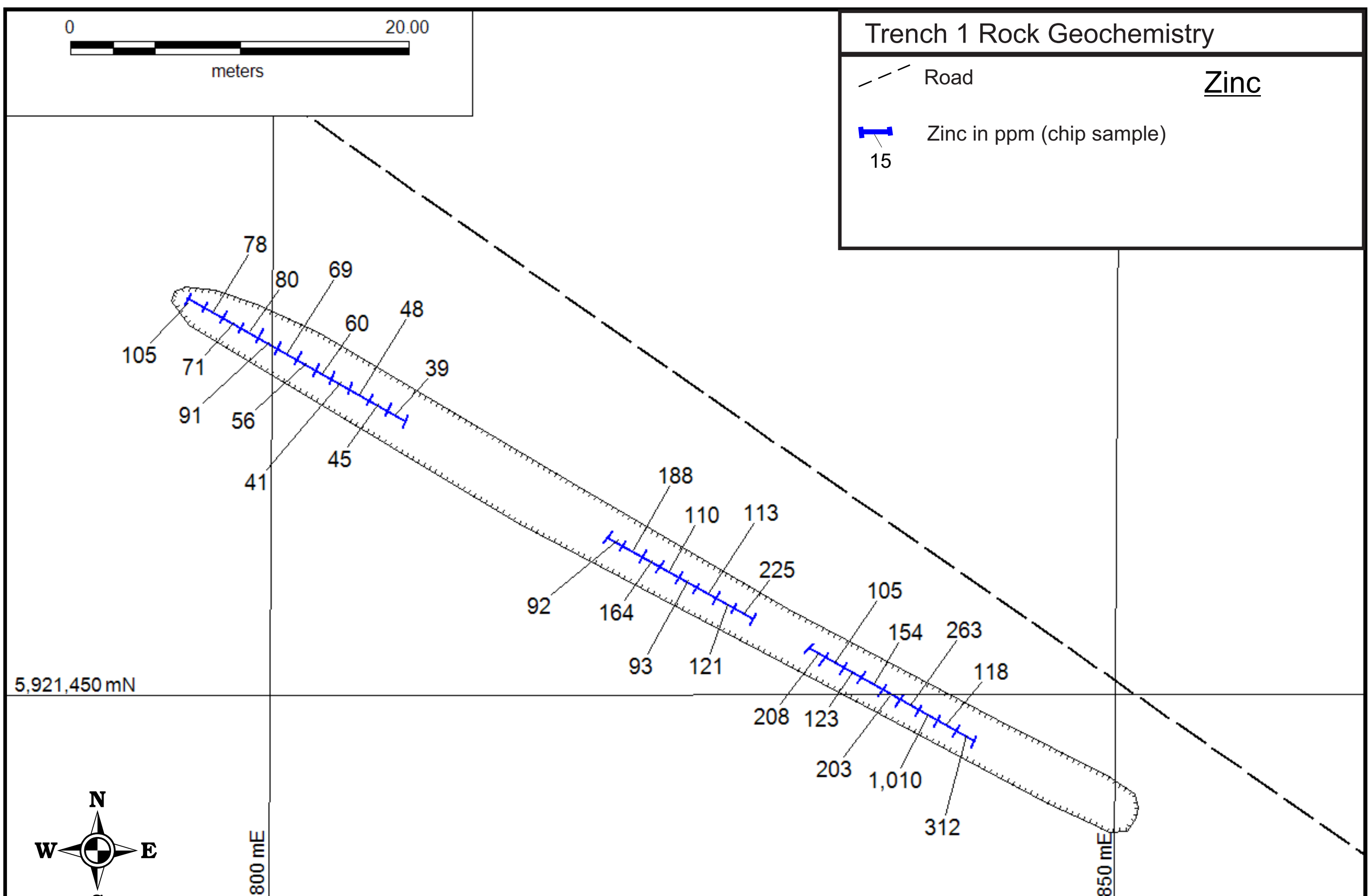

Exo Road Quarry Rock Geochemistry
Road
Zinc
Zinc in ppm (chip sample)
331
Naglico Fm. bedded mudstone-siltstone-limestone
5,921,650 mN
Logging Road
Exo Road Quarry
85
324
1,800
157
245
12,500
546
235
40
176
33
37
76
60
1,870
174
925
334
482
5,150
3,820
920
116
44
86
114
85
N
W
E
S
319,900 mE
319,950 mE
5,921,600 mN
0
20.00
meters


Exo Road Quarry Rock Geochemistry
Road
Gold
Gold in ppb (chip sample)
samples below detection shown as 0
15
Naglico Fm. bedded mudstone-siltstone-limestone
5,921,650 mN
5,921,600 mN
319,900 mE
319,950 mE
Logging Road
Exo Road Quarry
0 0 0 0 15 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N
W
E
S
0
20.00
meters

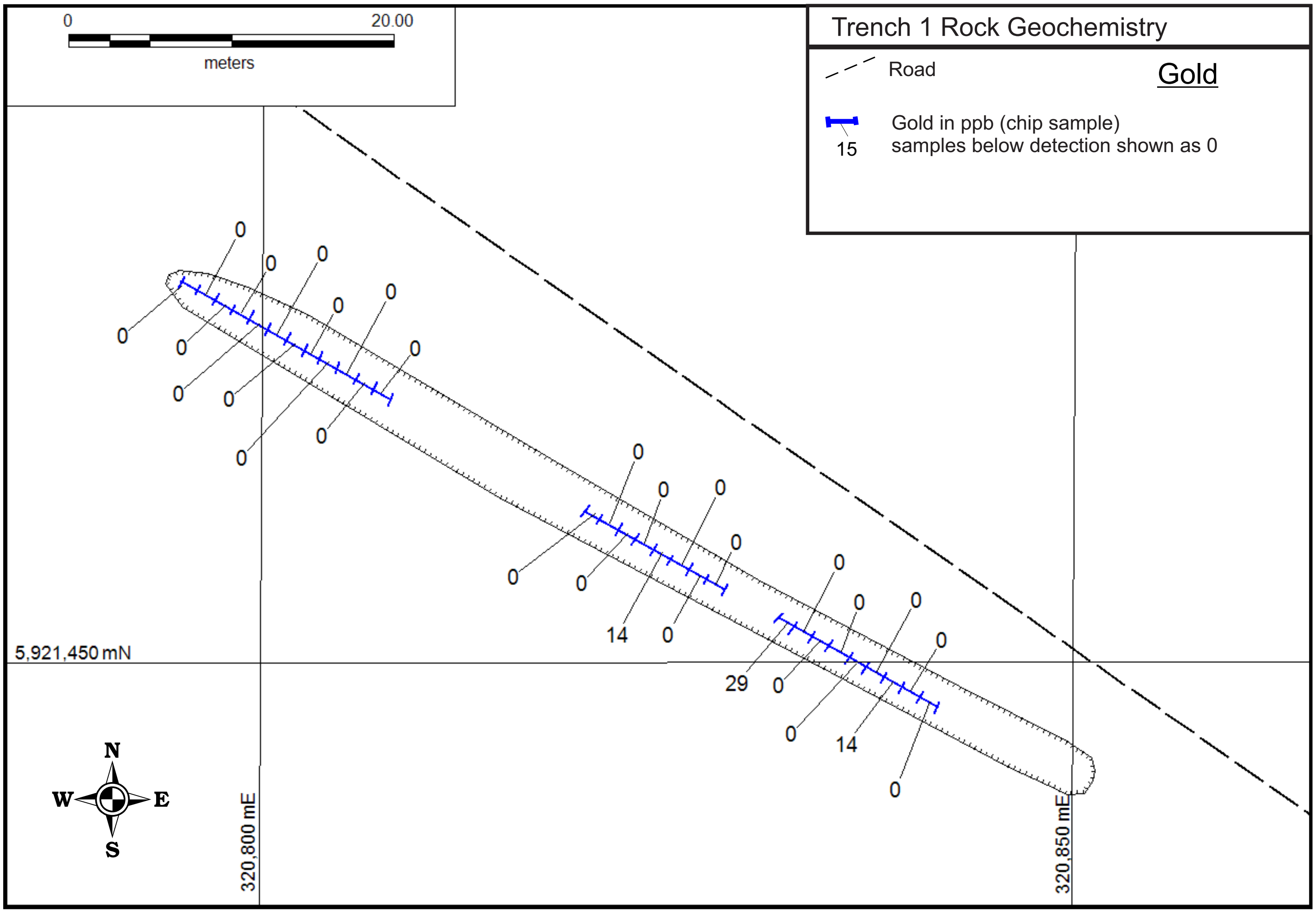

Exo Road Quarry Rock Geochemistry
Road
Silver
Silver in ppm (chip sample)
samples below detection shown as 0
15
Naglico Fm. bedded mudstone-siltstone-limestone
5,921,650 mN
5,921,600 mN
319,900 mE
319,950 mE
Logging Road
Exo Road Quarry
0 0 0.6 0.4 0.6 2.6 0.3 0 0 0 0 0 0 0.5
0 0 0.2 0.3 3.2 0.8 0.7 0.5 0 0 0.2 0 1.1
N
W
E
S
0
20.00
meters

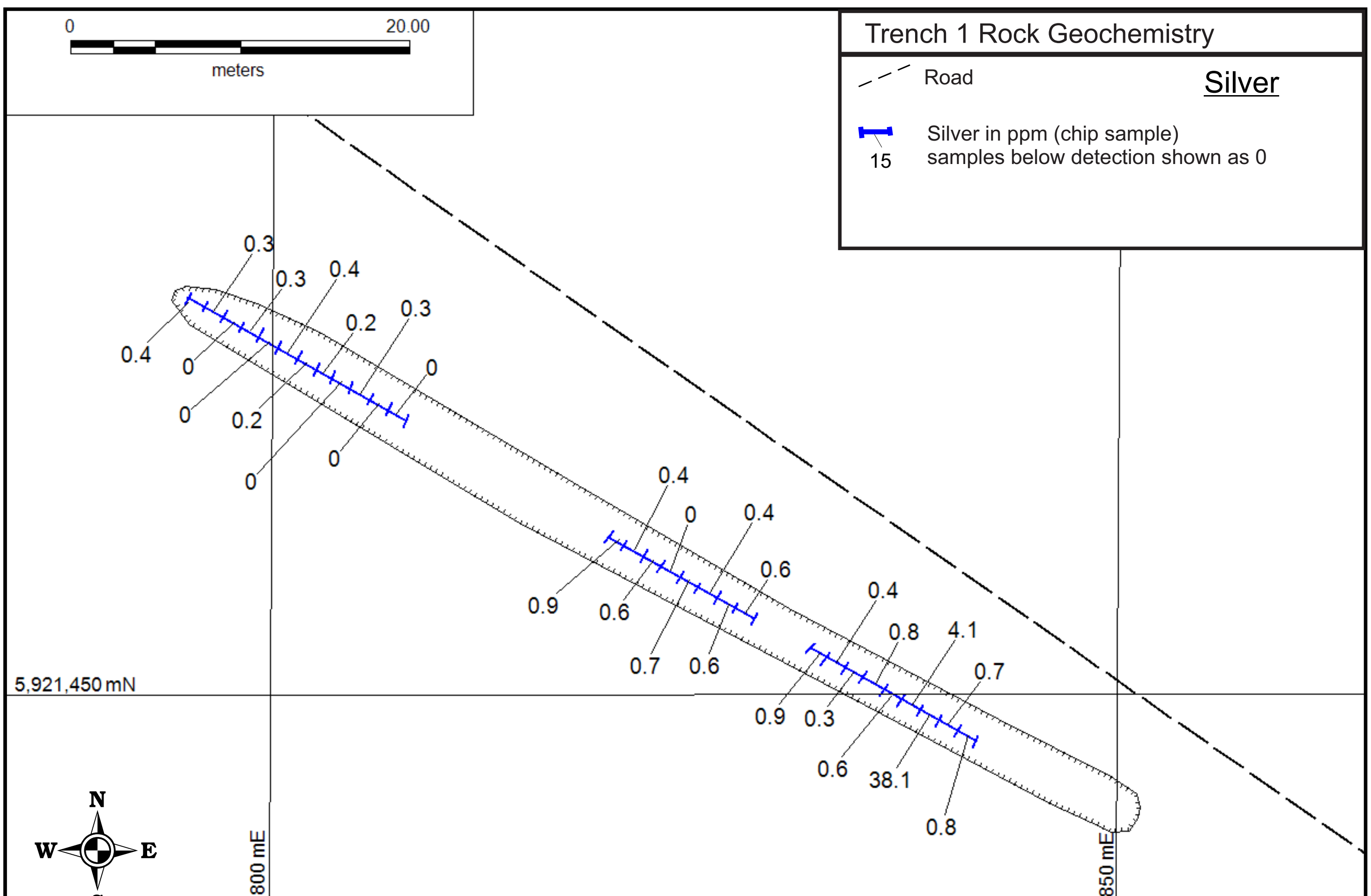


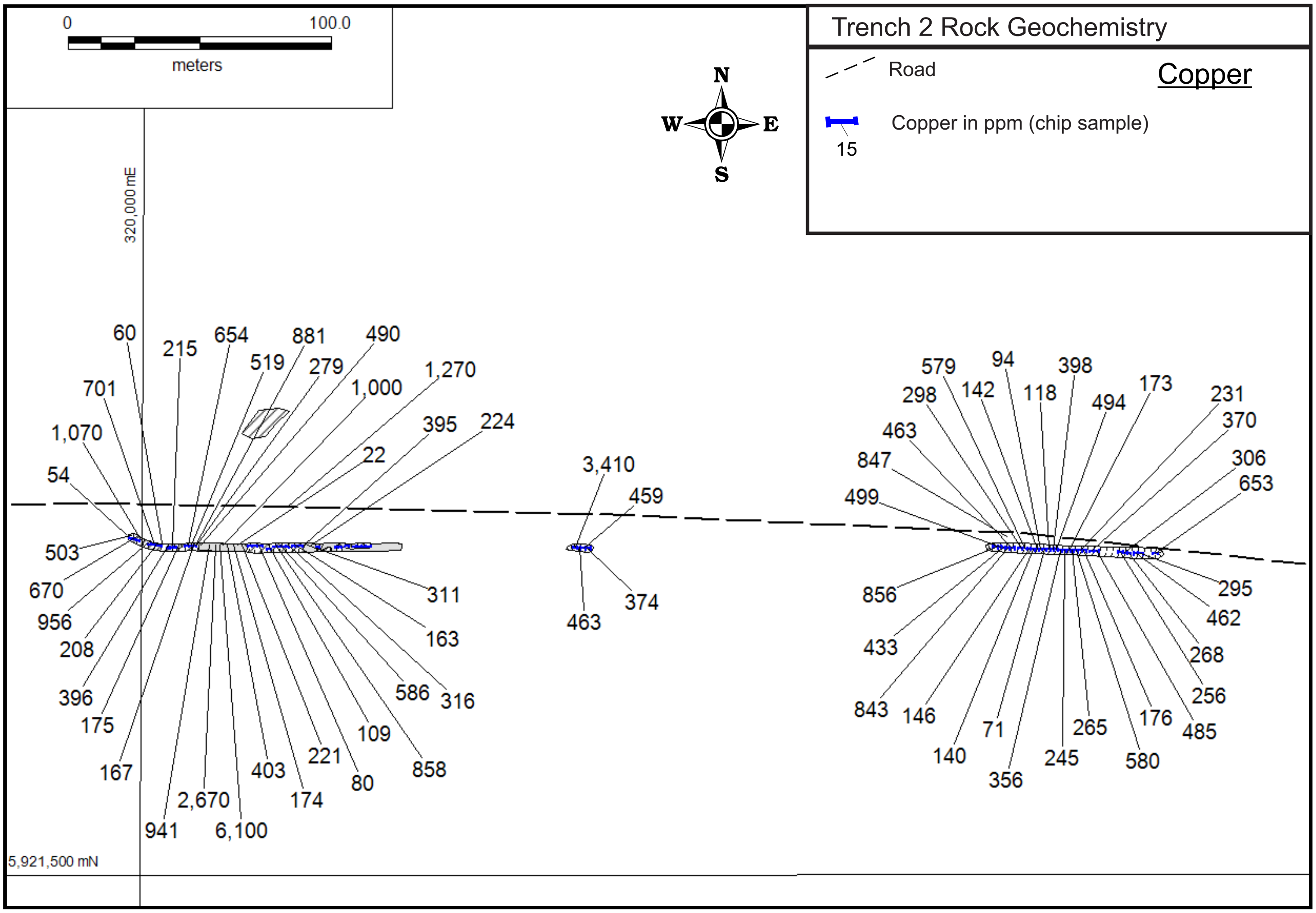
0
20.00
meters
Trench 1 Rock Geochemistry
Road
Copper
Copper in ppm (chip sample)
15
37
498
520
128
81
318
220
94
319
42
47
48
186
191
213
123
187
109
455
110
71
113
57
55
87
93
94
896
59
5,921,450 mN
320,800 mE
320,850 mE
N
W
E
S

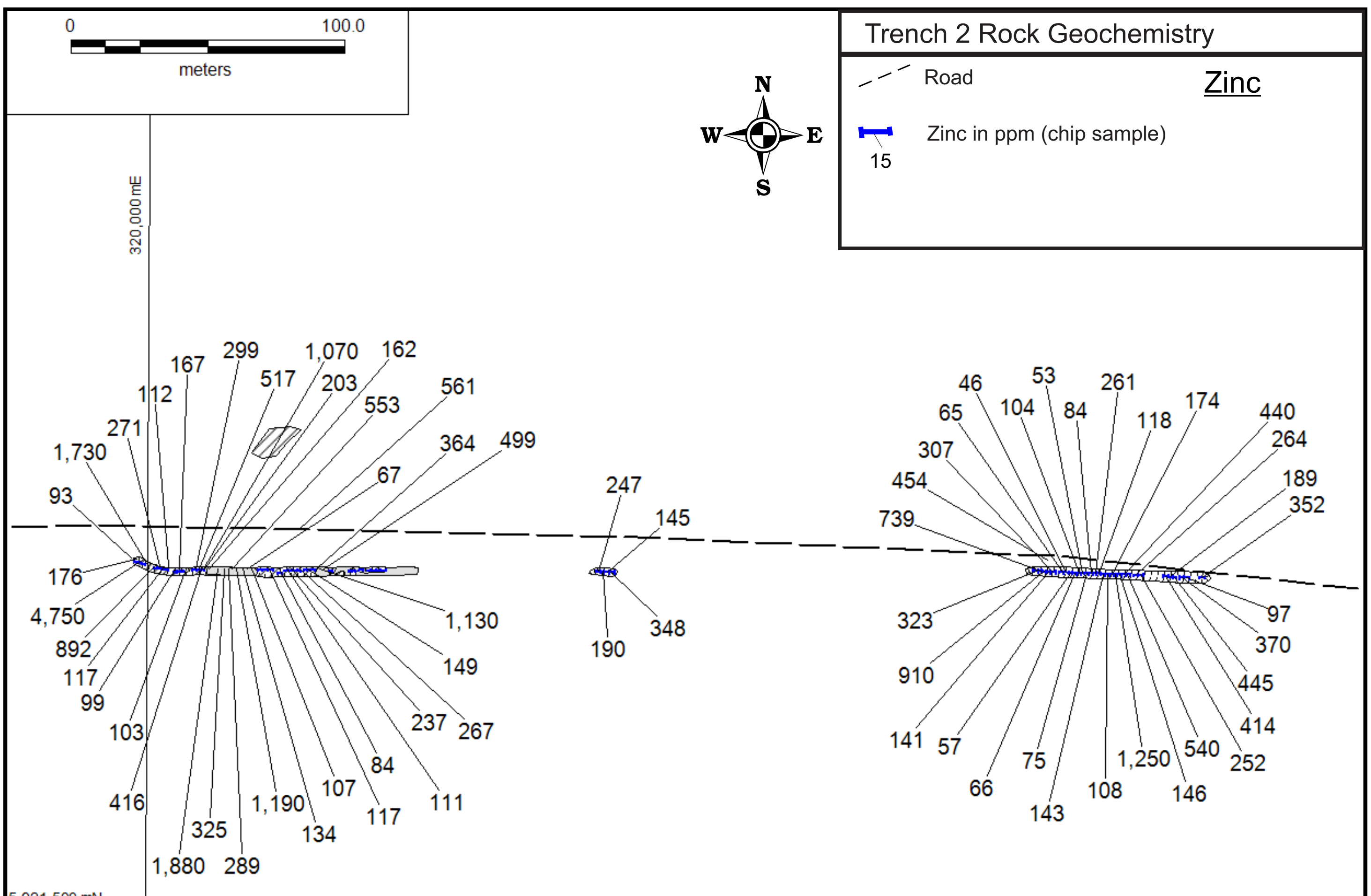


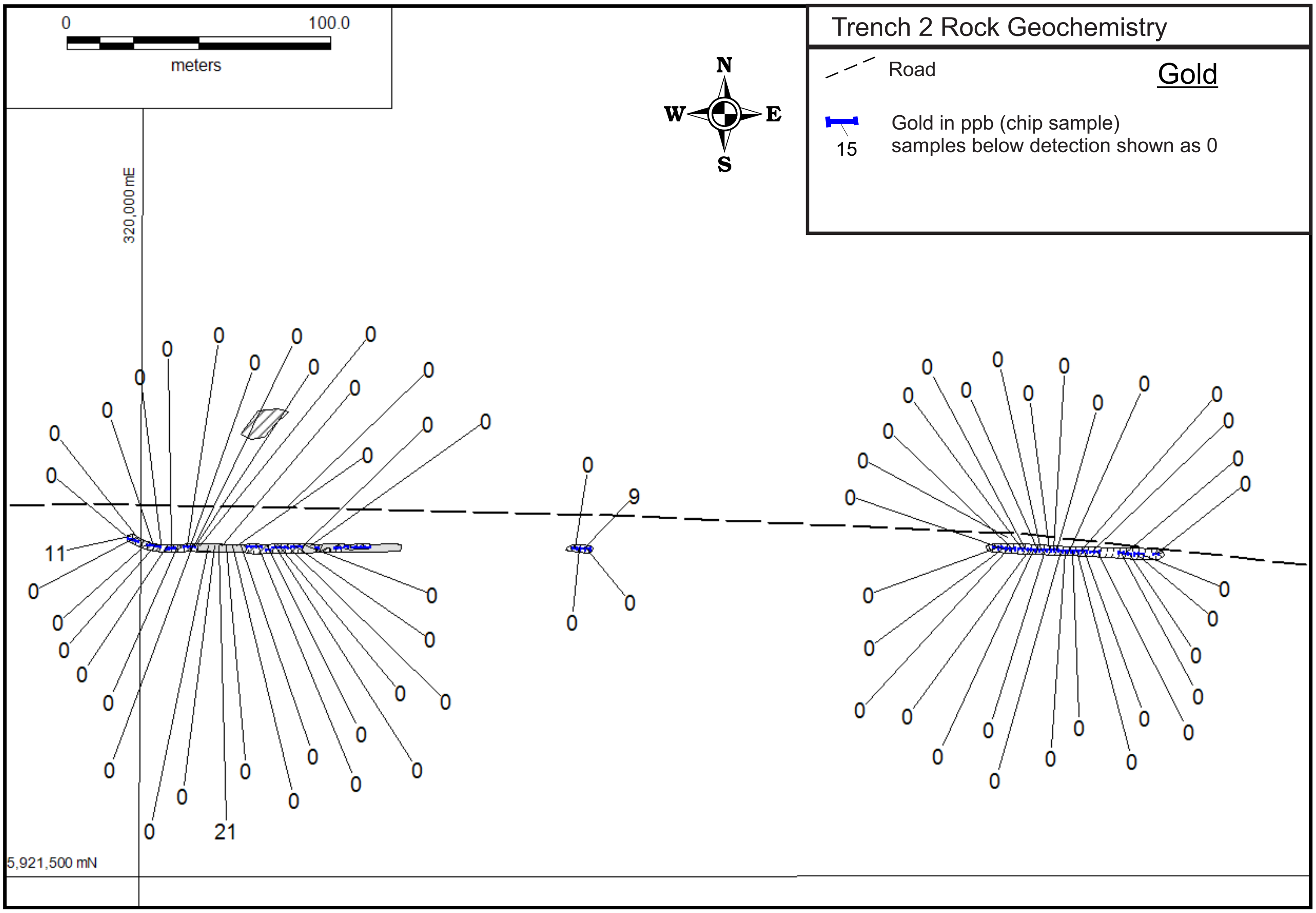
0
20.00
meters
Trench 1 Rock Geochemistry
Road
Zinc
Zinc in ppm (chip sample)
15
78
80
69
60
48
105
71
39
91
56
45
41
188
110
113
225
92
164
93
121
105
154
263
118
208
123
203
1,010
312
5,921,450 mN
320,800 mE
320,850 mE
N
W
E
S

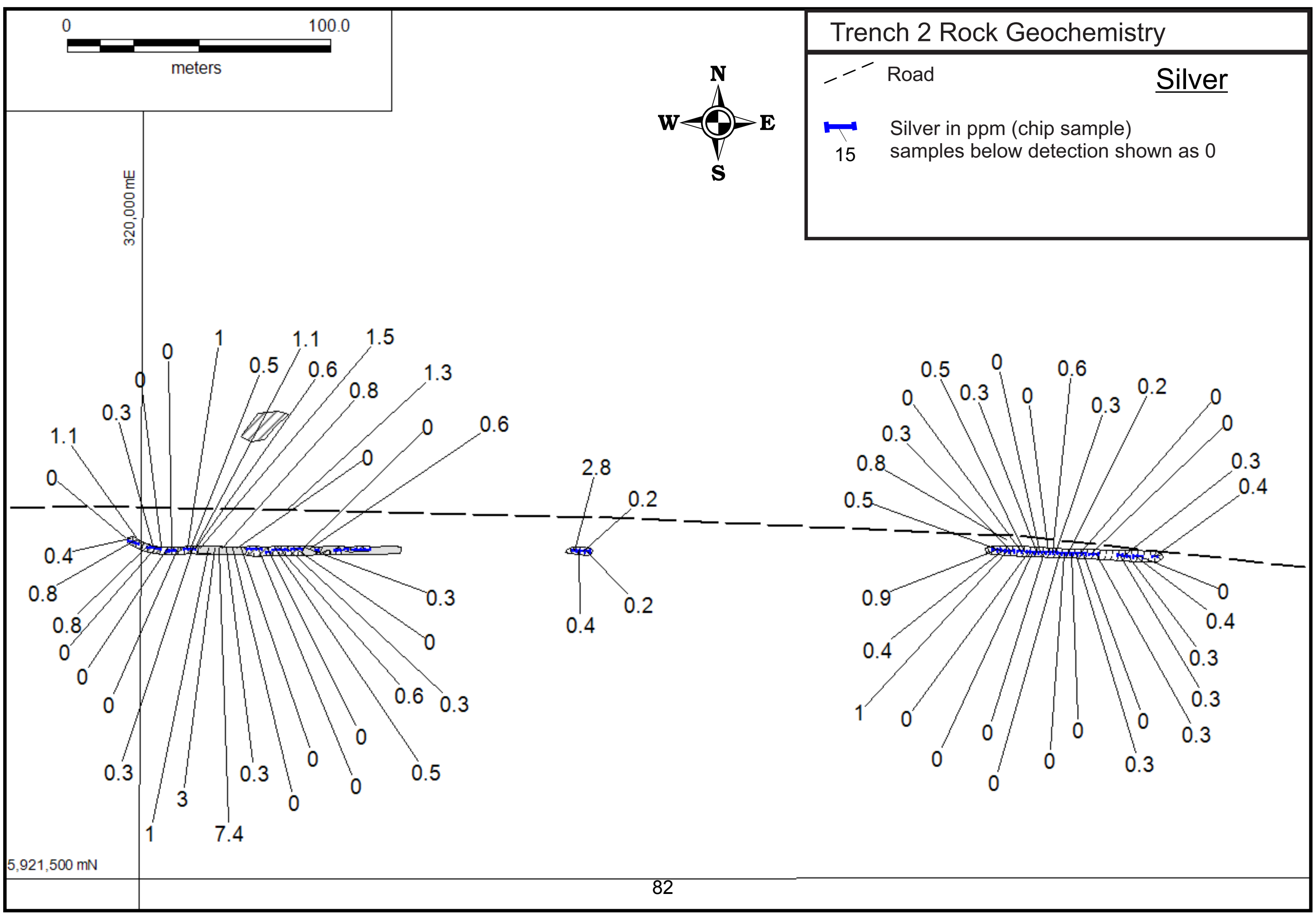

Trench 1 Rock Geochemistry
Road
Gold
Gold in ppb (chip sample)
samples below detection shown as 0
15
0
20.00
meters
5,921,450 mN
320,800 mE
320,850 mE
N
W
E
S
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 14 0
0 0 0 0 29 0 0 14 0

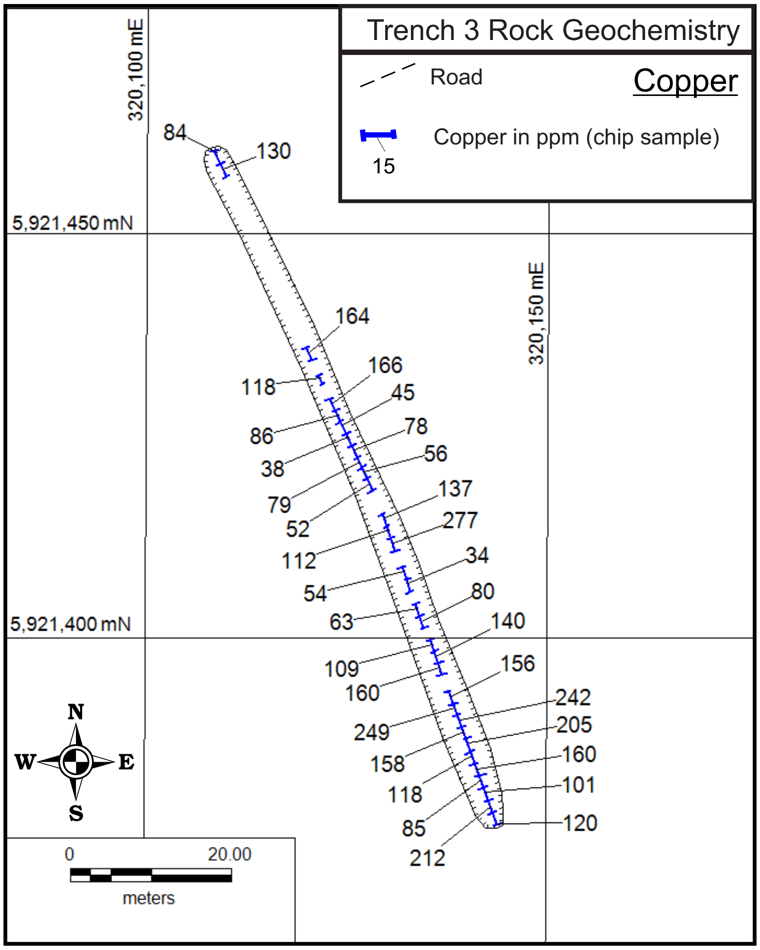

Trench 1 Rock Geochemistry
Road
Silver
Silver in ppm (chip sample)
samples below detection shown as 0
15
0
20.00
meters
5,921,450 mN
320,800 mE
320,850 mE
N
W
E
S
0.3 0.3 0.4 0.4 0 0.2 0.3 0 0.2 0 0 0
0.4 0 0.4 0.6 0.9 0.6 0.7 0.6
0.4 0.8 4.1 0.7 0.9 0.3 0.6 38.1 0.8

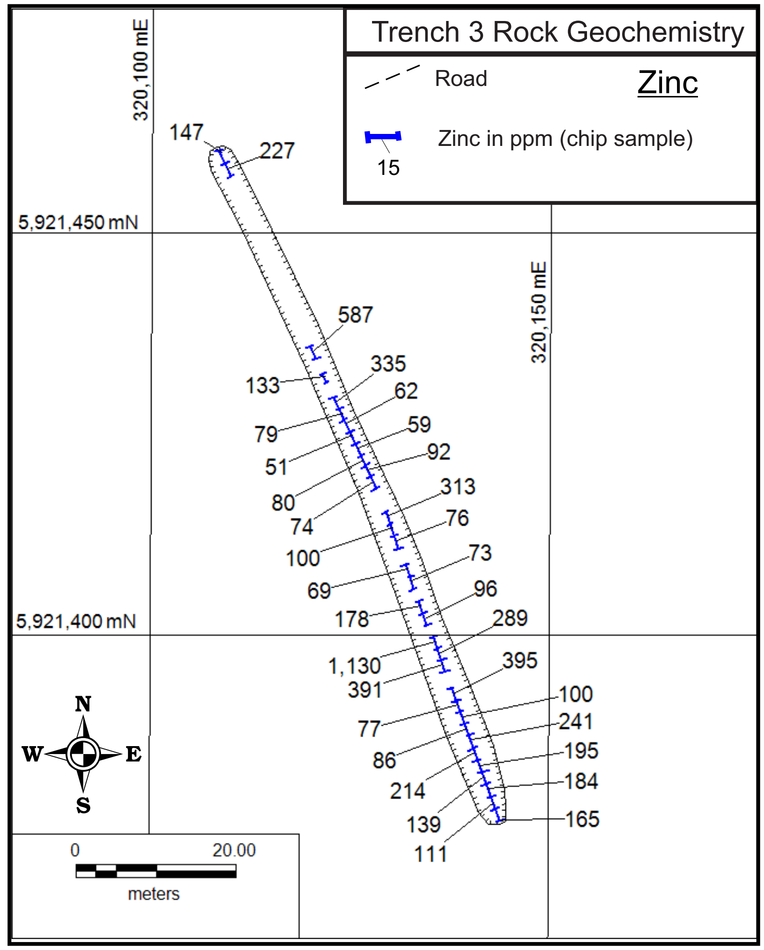

Trench 2 Rock Geochemistry
Copper
Road
Copper in ppm (chip sample)
15
0
100.0
meters
N
S
E
W
320,000 mE
5,921,500 mN

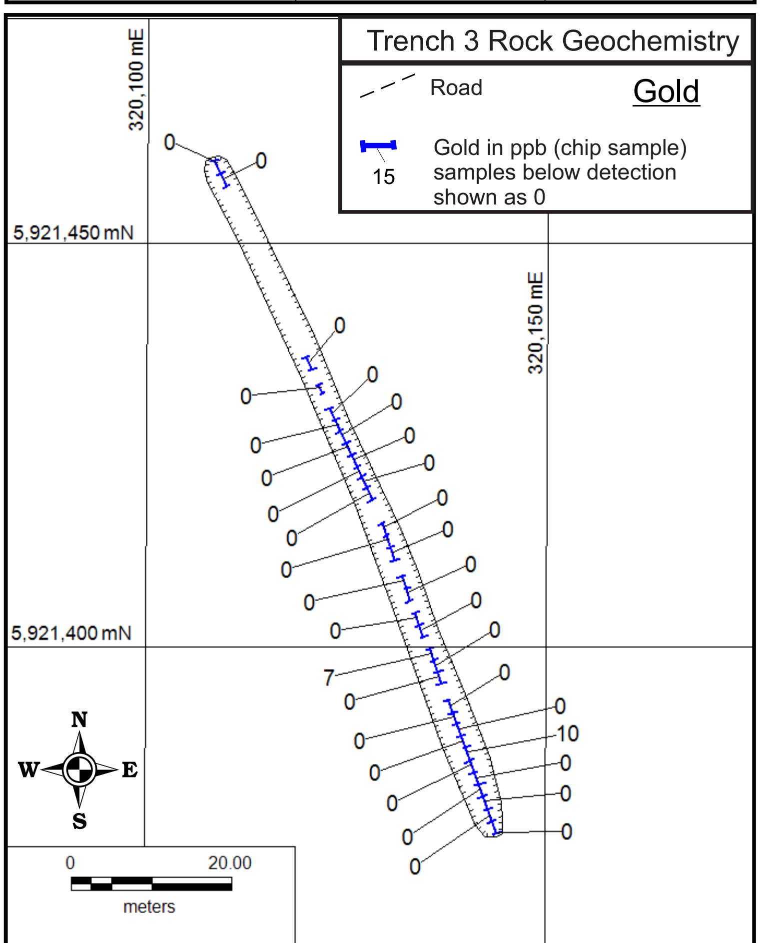

Trench 2 Rock Geochemistry
Zinc
Road
Zinc in ppm (chip sample)
15
0
100.0
meters
N
S
E
W
320,000 mE
5,921,500 mN

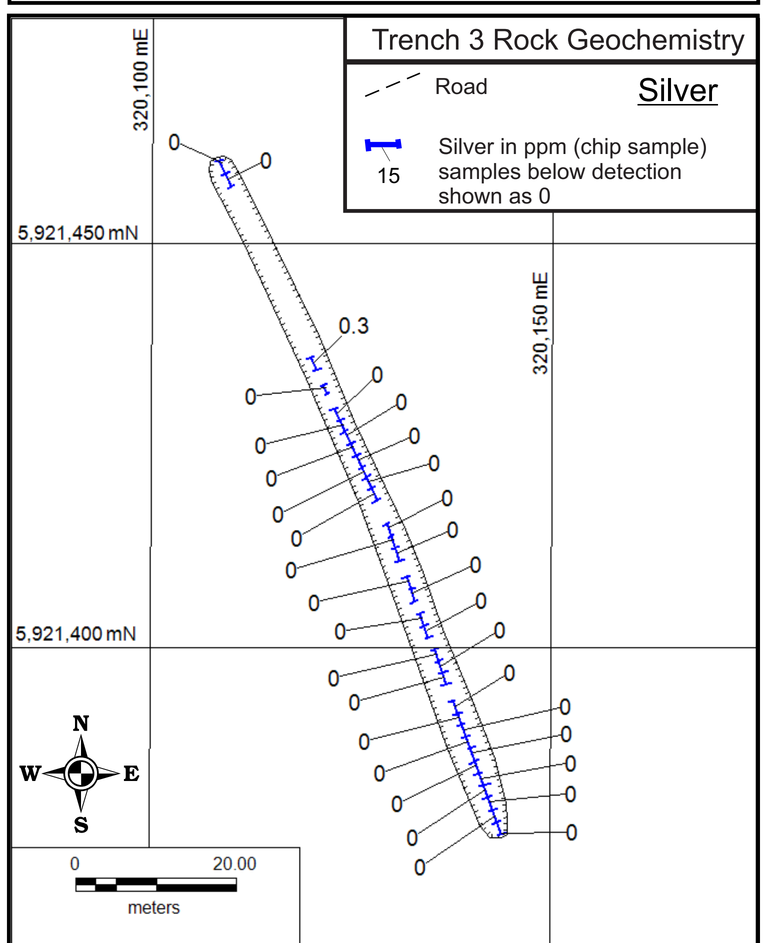

Trench 2 Rock Geochemistry
Gold
Road
Gold in ppb (chip sample)
samples below detection shown as 0
15
0
100.0
meters
N
W
E
S
320,000 mE
5,921,500 mN
11
21
9

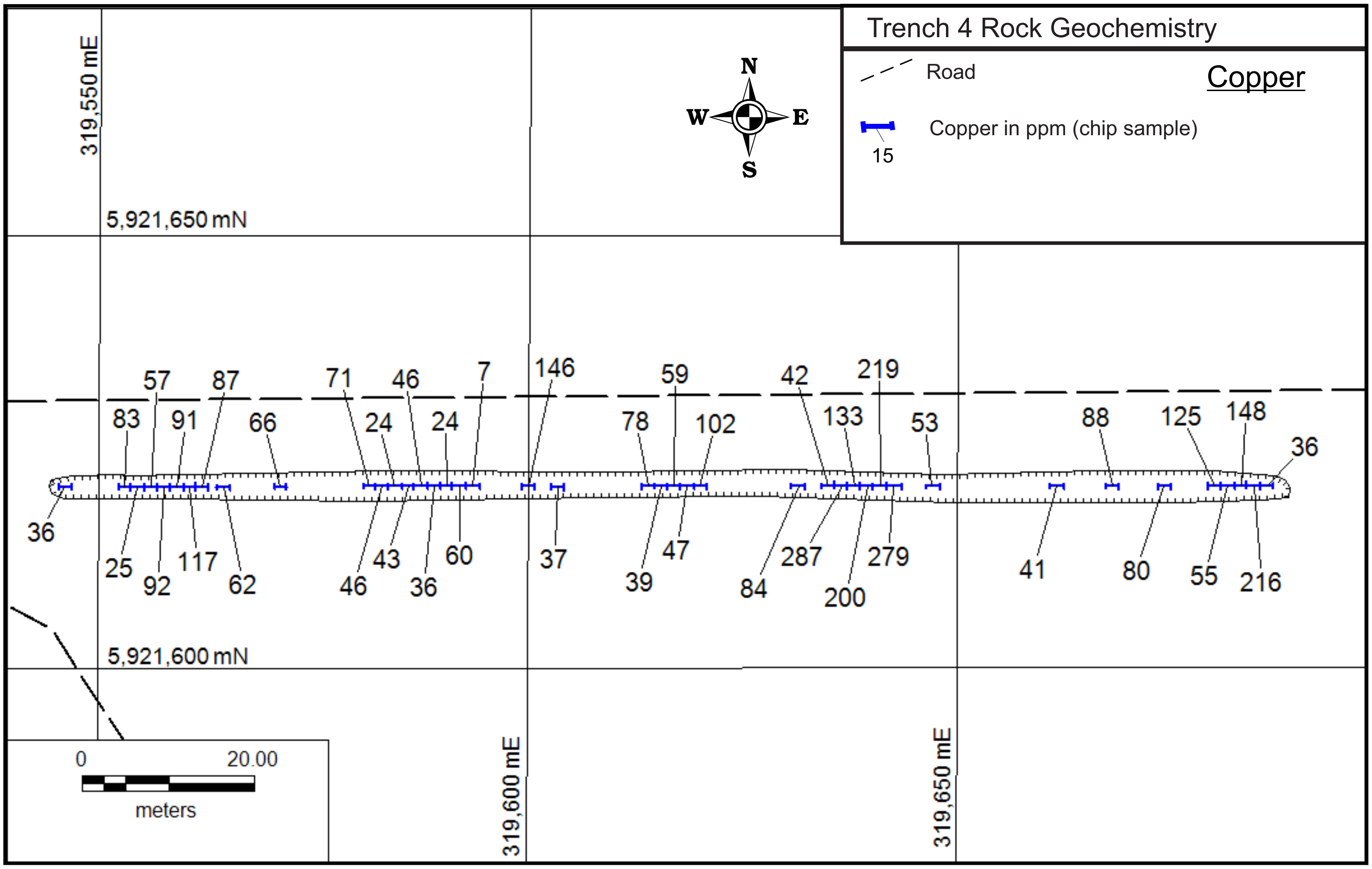

Trench 2 Rock Geochemistry
Silver
Road
Silver in ppm (chip sample)
samples below detection shown as 0
15
0
100.0
meters
N
W
E
S
320,000 mE
5,921,500 mN
7.4
2.8

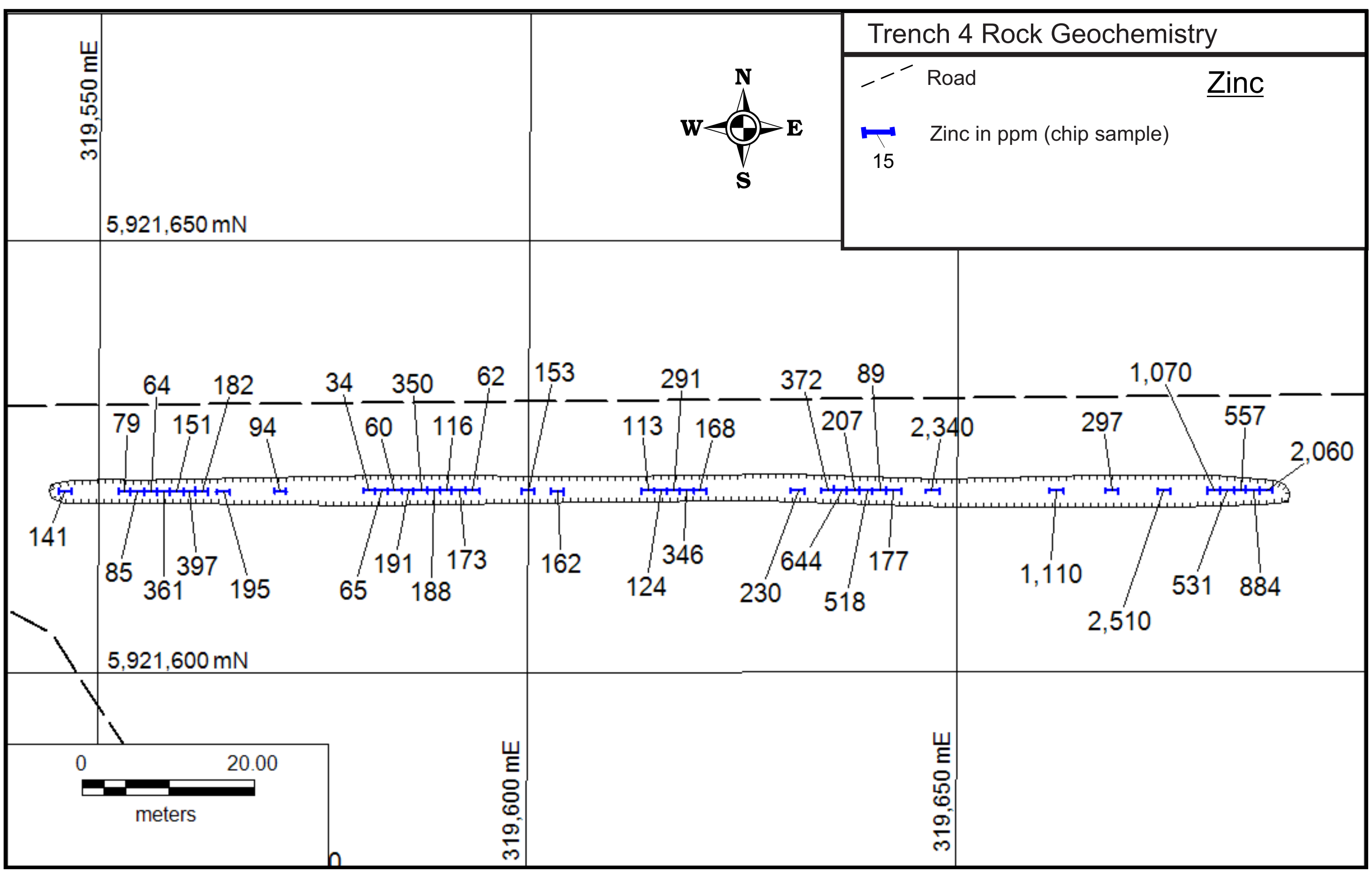

Trench 3 Rock Geochemistry
Road
Copper
Copper in ppm (chip sample)
15
320,100 mE
320,150 mE
5,921,450 mN
5,921,400 mN
84
130
164
118
166
45
86
78
38
56
79
137
52
277
112
34
54
80
63
140
109
156
160
242
249
205
158
160
118
101
85
120
212
N
W
E
S
0
20.00
meters

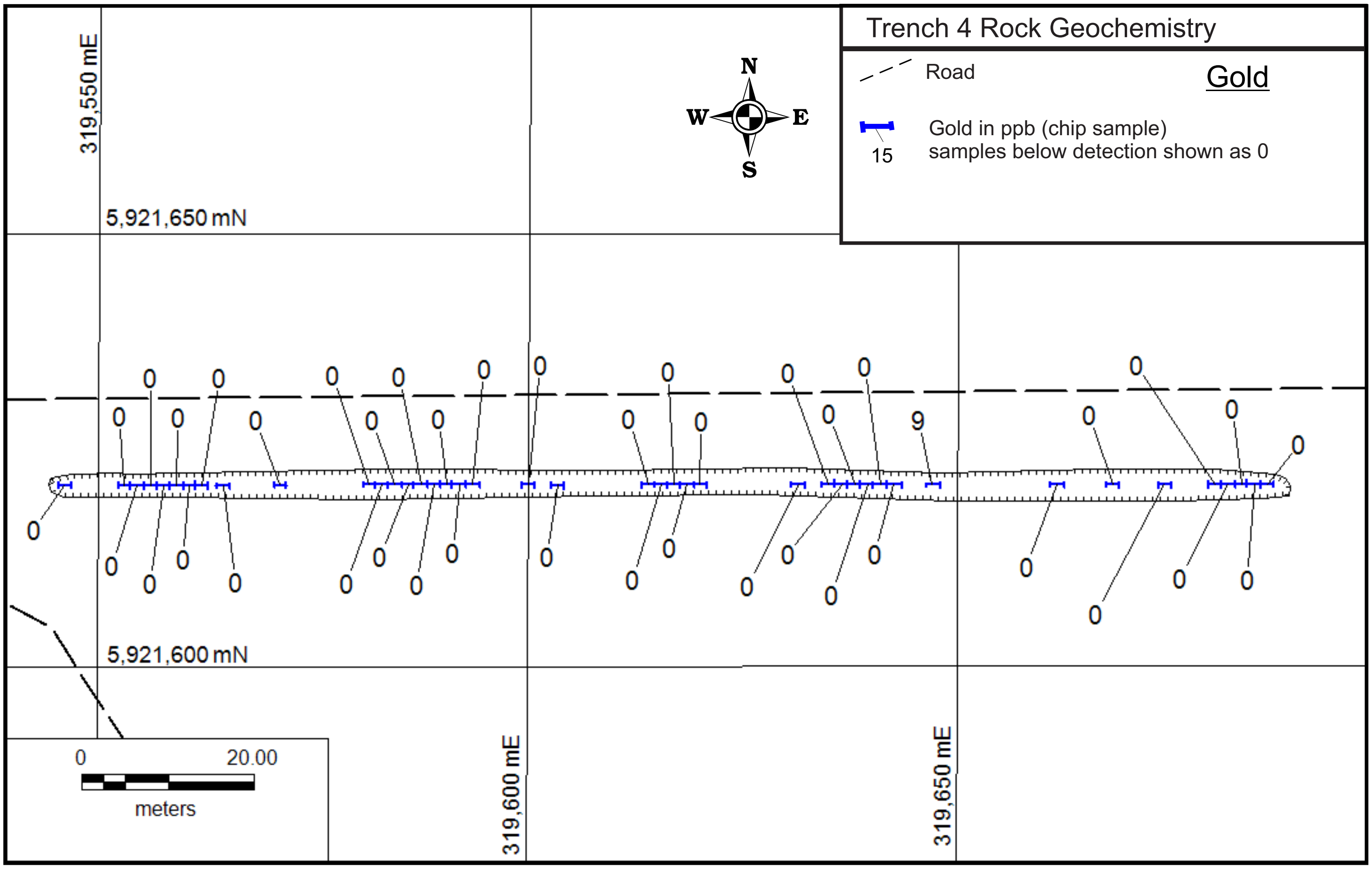

Trench 3 Rock Geochemistry
Road
Zinc
Zinc in ppm (chip sample)
15
320,100 mE
320,150 mE
5,921,450 mN
5,921,400 mN
147
227
587
133
335
62
79
59
51
92
80
313
74
76
100
73
69
96
178
289
1,130
395
391
100
77
241
86
195
214
184
139
165
111
N
W
E
S
0
20.00
meters

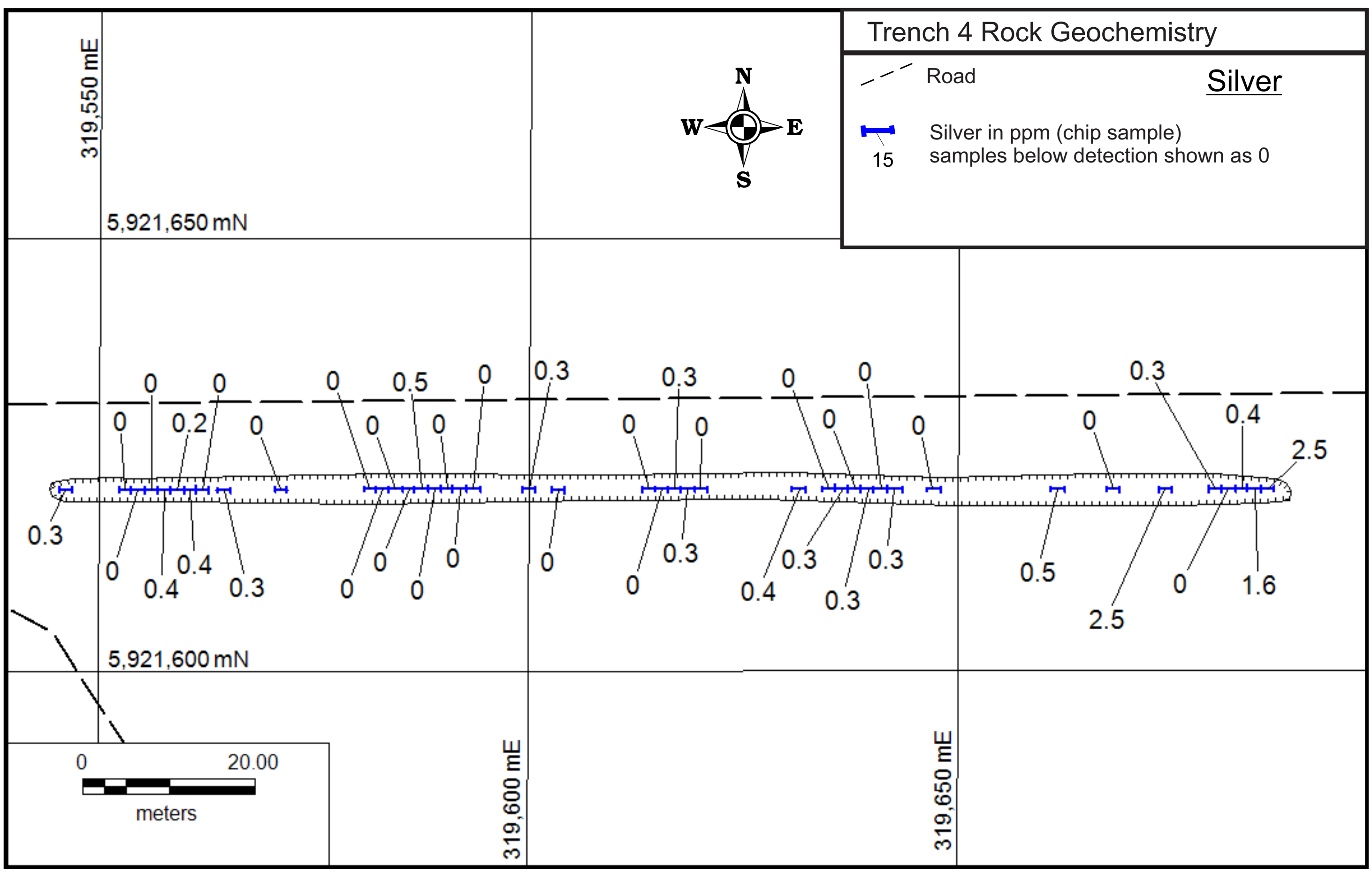

Trench 3 Rock Geochemistry
Road
Gold
Gold in ppb (chip sample)
samples below detection
shown as 0
15
320,100 mE
320,150 mE
5,921,450 mN
5,921,400 mN
7
10
N
W
E
S
0
20.00
meters

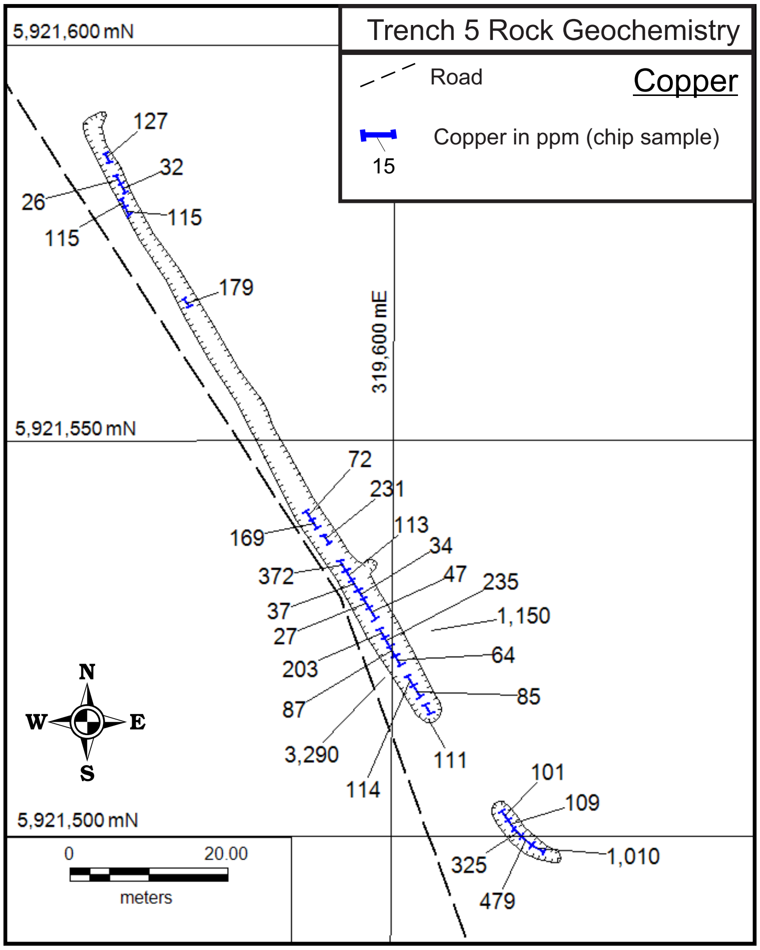

Trench 3 Rock Geochemistry
Road
Silver
Silver in ppm (chip sample)
samples below detection
shown as 0
15
320,100 mE
320,150 mE
5,921,450 mN
5,921,400 mN
0.3
N
W
E
S
0
20.00
meters

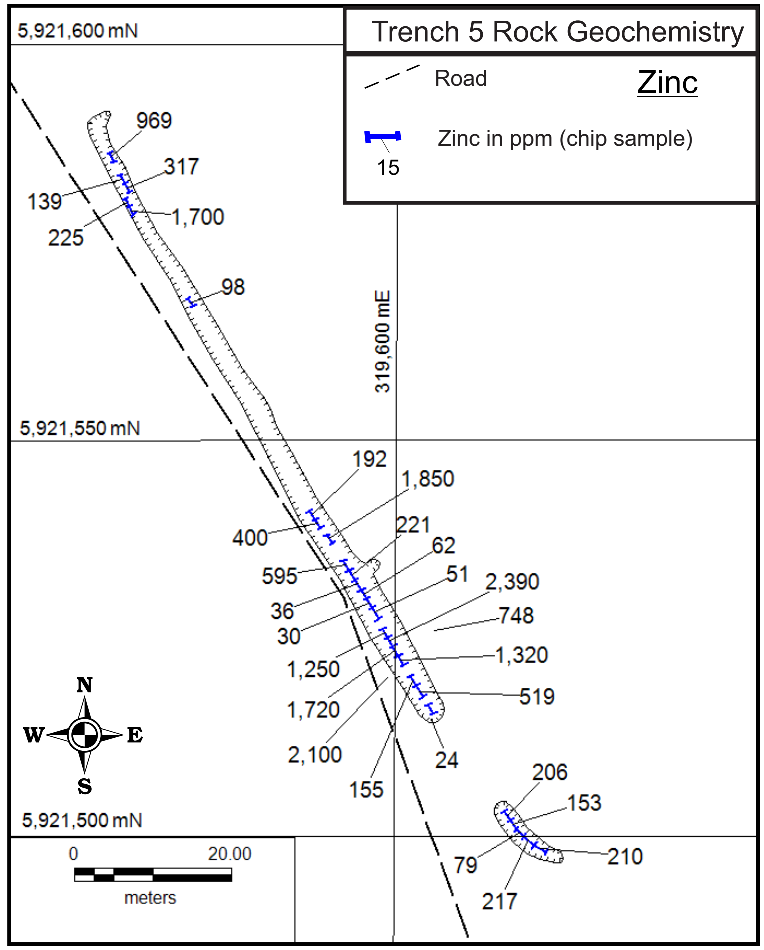

Trench 4 Rock Geochemistry
Road
Copper
Copper in ppm (chip sample)
15
N
W
E
S
319,550 mE
319,600 mE
319,650 mE
5,921,650 mN
5,921,600 mN
0
20.00
meters
57 87 71 46 7 146 59 42 219
83 91 66 24 24 78 102 133 53 88 125 148
36
36
25 92 117 62 46 43 36 60 37 39 47 84 287 200 279 41 80 55 216

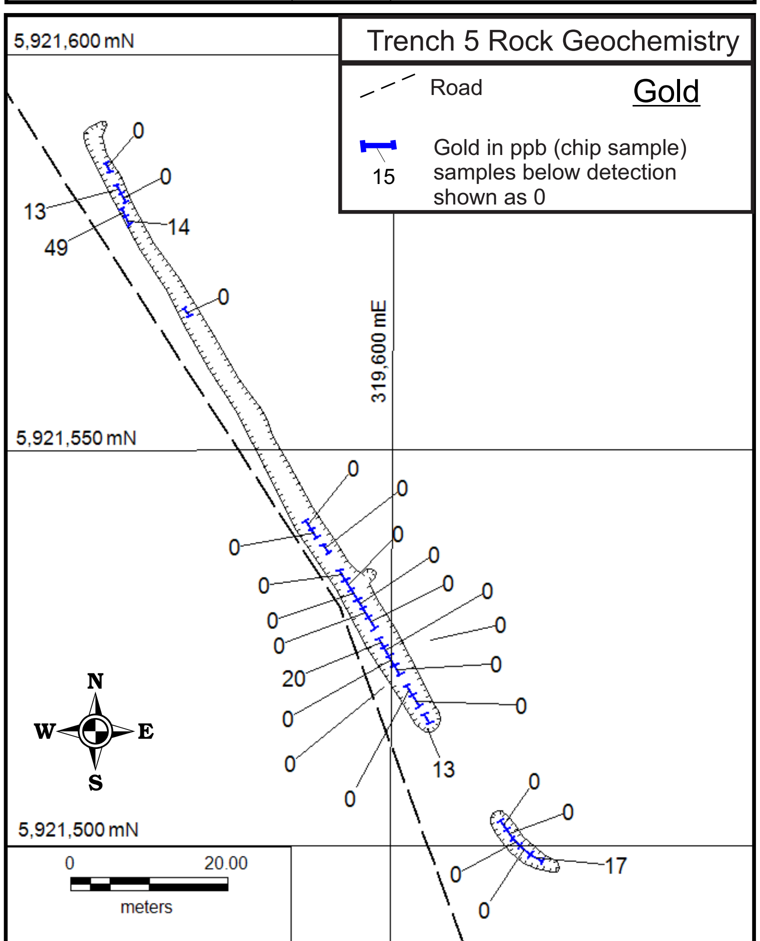

Trench 4 Rock Geochemistry
Road
Zinc
Zinc in ppm (chip sample)
15
N
W
E
S
319,550 mE
319,600 mE
319,650 mE
5,921,650 mN
5,921,600 mN
0
20.00
meters
64 182 34 350 62 153 291 372 89 1,070
79 151 94 60 116 113 168 207 2,340 297 557
2,060
141
85 361 397 195 65 191 188 173 162 124 346 230 644 518 177 1,110 2,510 531 884

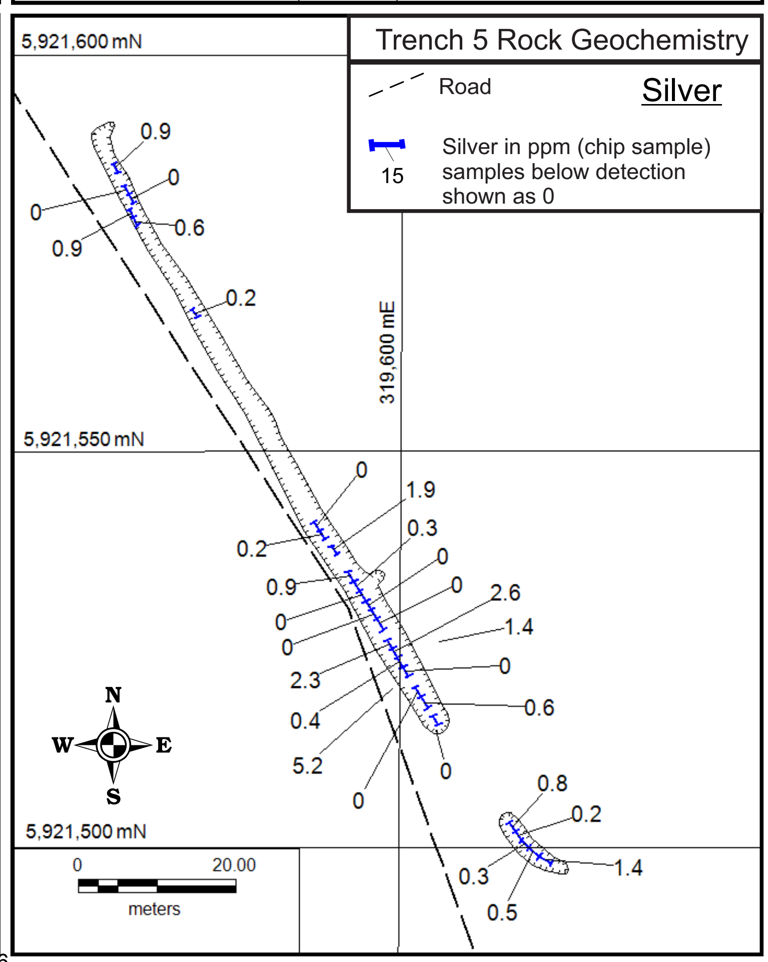

Trench 4 Rock Geochemistry
Road
Gold
Gold in ppb (chip sample)
samples below detection shown as 0
15
N
W
E
S
319,550 mE
319,600 mE
319,650 mE
5,921,650 mN
5,921,600 mN
0
20.00
meters

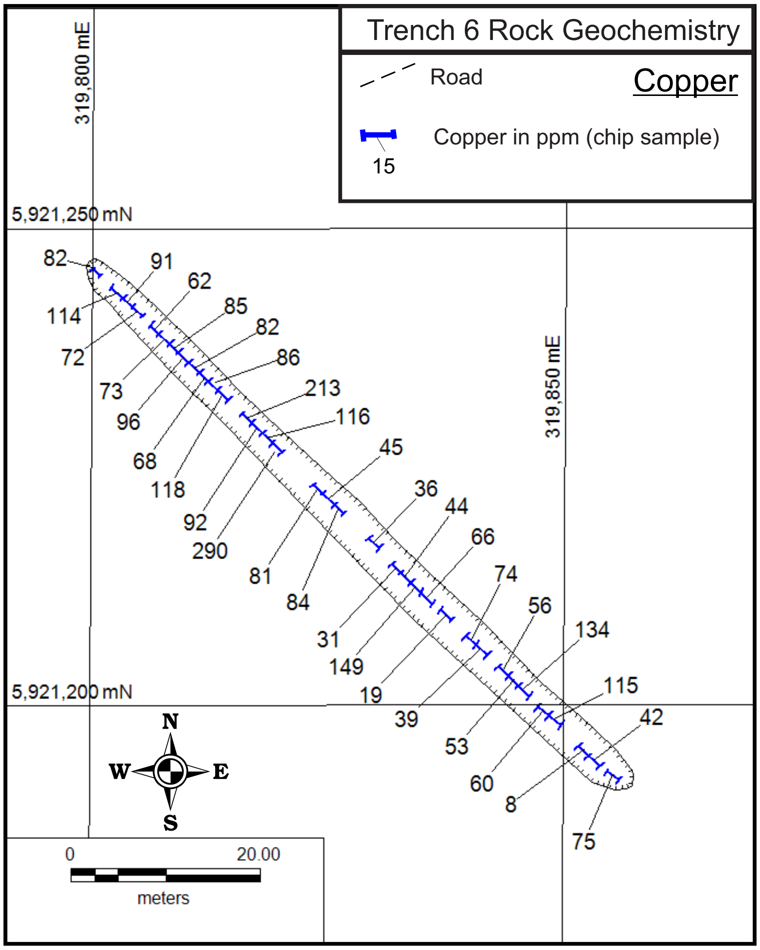

Trench 4 Rock Geochemistry
Road
Silver
Silver in ppm (chip sample)
samples below detection shown as 0
15
N
W
E
S
319,550 mE
319,600 mE
319,650 mE
5,921,650 mN
5,921,600 mN
0
20.00
meters

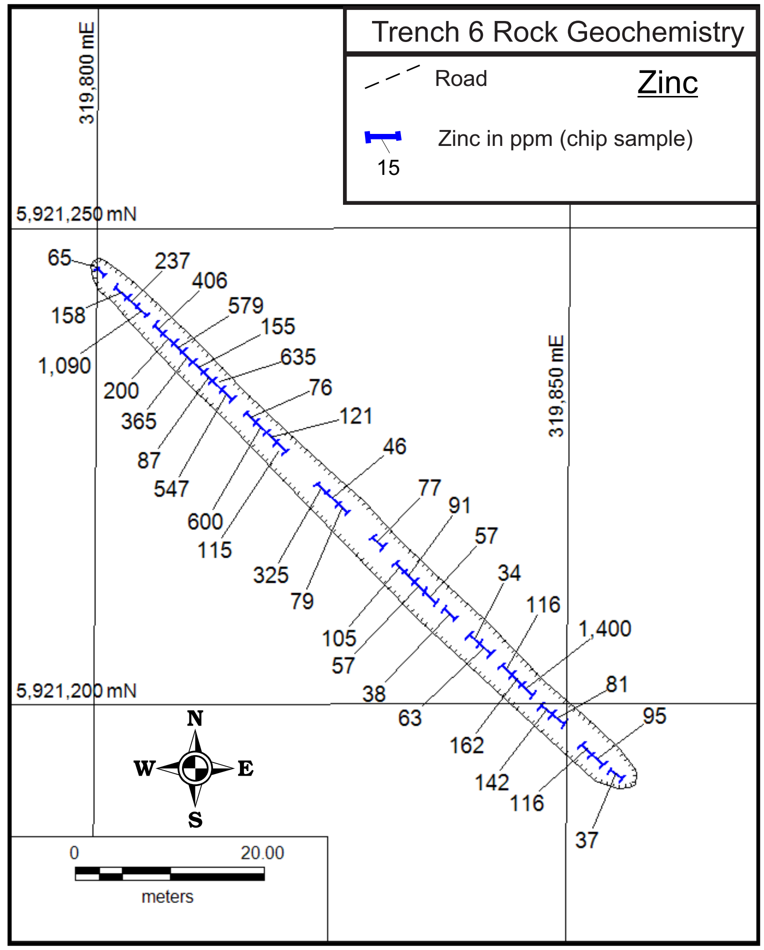

5,921,600 mN
Trench 5 Rock Geochemistry
Road
Copper
Copper in ppm (chip sample)
15
127
32
26
115
115
179
319,600 mE
5,921,550 mN
72
231
169
113
34
372
47
235
37
1,150
27
64
203
85
87
3,290
111
114
101
109
325
1,010
479
N
W
E
S
5,921,500 mN
0
20.00
meters

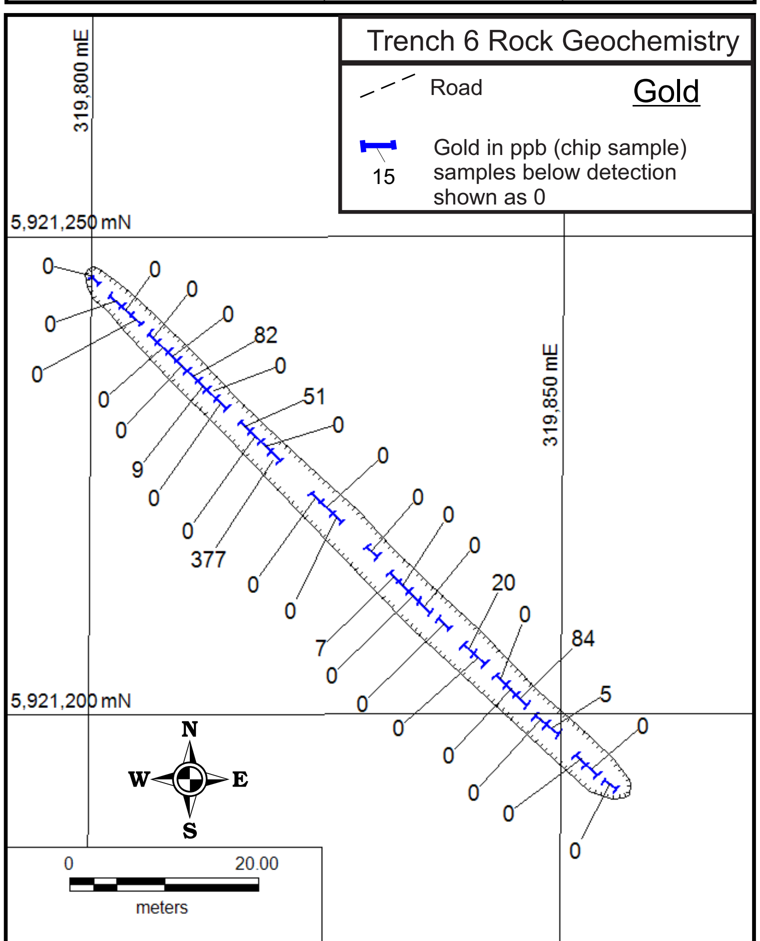

5,921,600 mN
Trench 5 Rock Geochemistry
Road
Zinc
Zinc in ppm (chip sample)
15
969
317
139
1,700
225
98
319,600 mE
5,921,550 mN
192
1,850
400
221
62
595
51
2,390
36
748
30
1,320
1,250
519
1,720
2,100
24
155
206
153
79
210
217
N
W
E
S
5,921,500 mN
0
20.00
meters

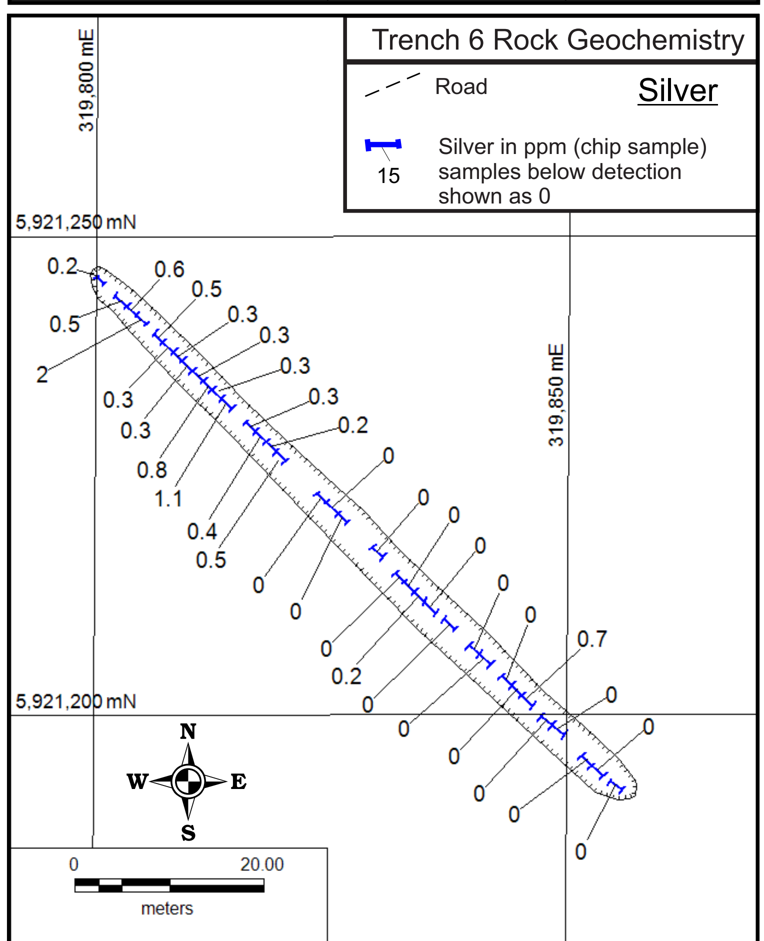

5,921,600 mN
Trench 5 Rock Geochemistry
Road
Gold
Gold in ppb (chip sample)
samples below detection
shown as 0
15
0
0
13
14
49
0
319,600 mE
5,921,550 mN
0
0
0
0
0
0
0
0
0
0
0
0
20
0
0
0
13
0
0
0
0
17
0
N
W
E
S
5,921,500 mN
0
20.00
meters

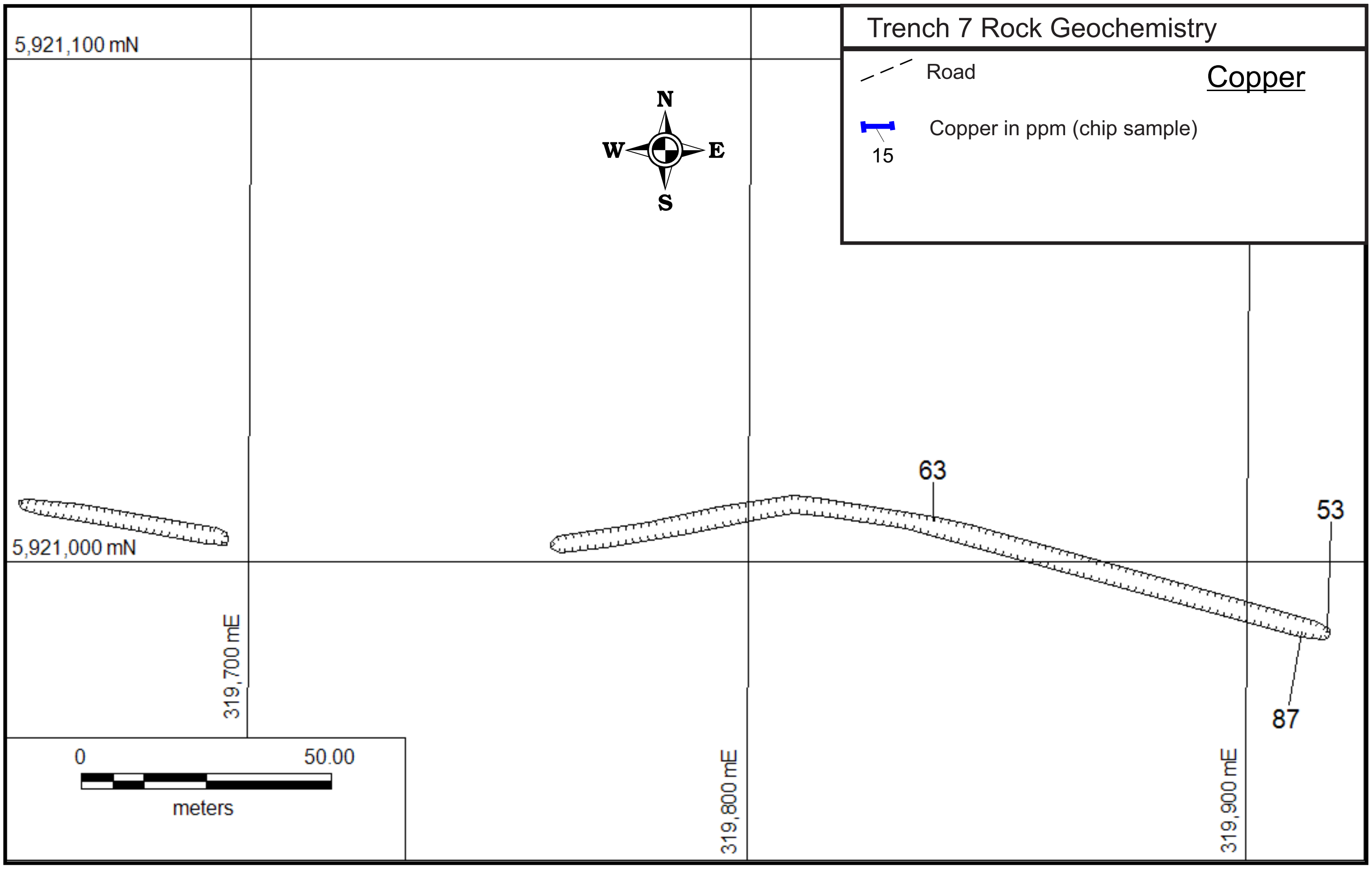

5,921,600 mN
Trench 5 Rock Geochemistry
Road
Silver
Silver in ppm (chip sample)
samples below detection
shown as 0
15
0.9
0
0
0.6
0.9
0.2
319,600 mE
5,921,550 mN
0
1.9
0.2
0.3
0
0.9
0
2.6
0
1.4
0
0
2.3
0.6
0.4
5.2
0
0
0.8
0.2
0.3
1.4
0.5
N
W
E
S
5,921,500 mN
0
20.00
meters

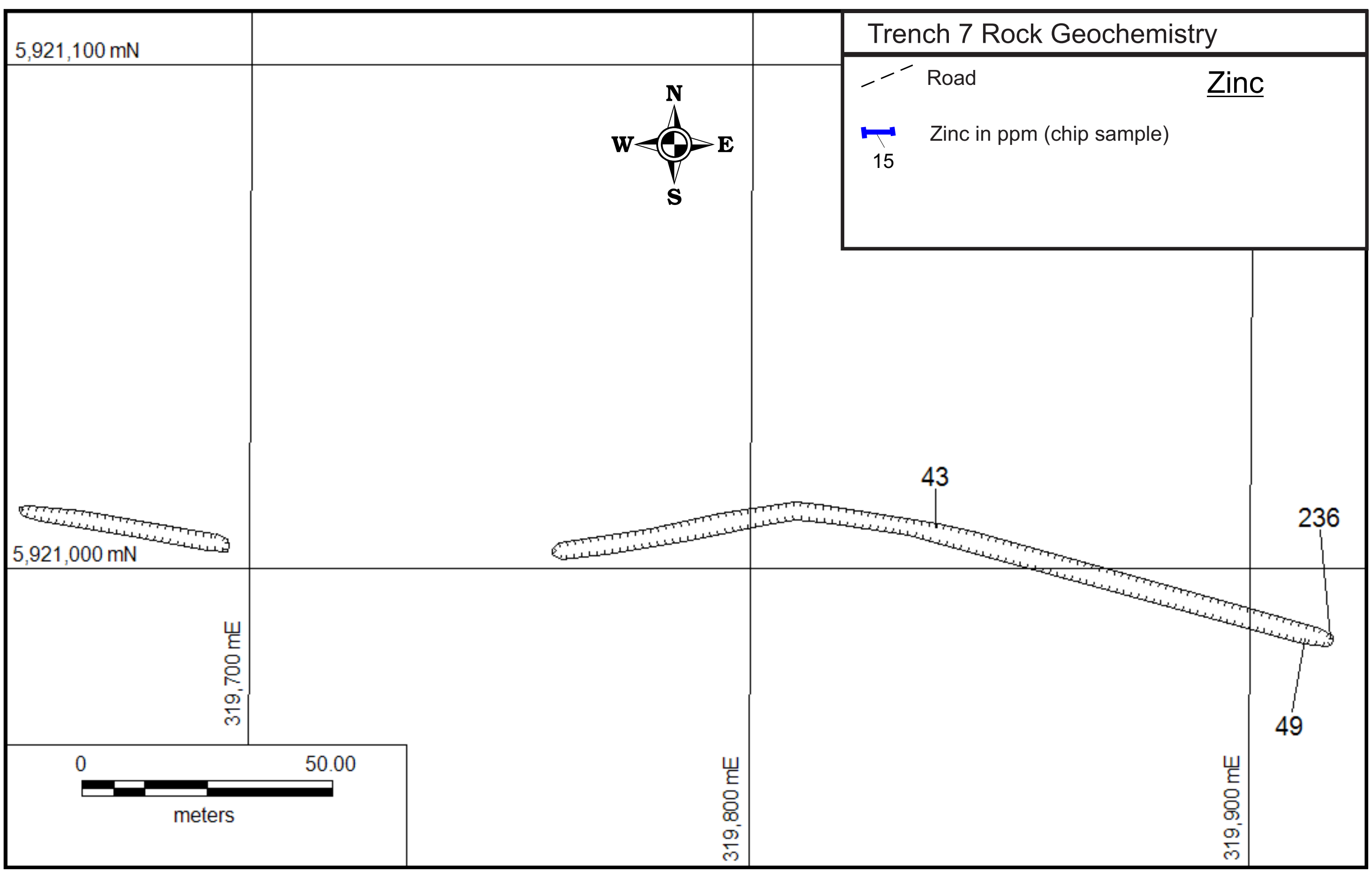

Trench 6 Rock Geochemistry
Road
Copper
Copper in ppm (chip sample)
15
319,800 mE
319,850 mE
5,921,250 mN
5,921,200 mN
82
91
62
114
85
82
72
86
73
213
96
116
68
45
118
36
92
44
290
66
81
74
84
56
31
134
149
19
115
39
42
53
60
8
75
N
W
E
S
0
20.00
meters

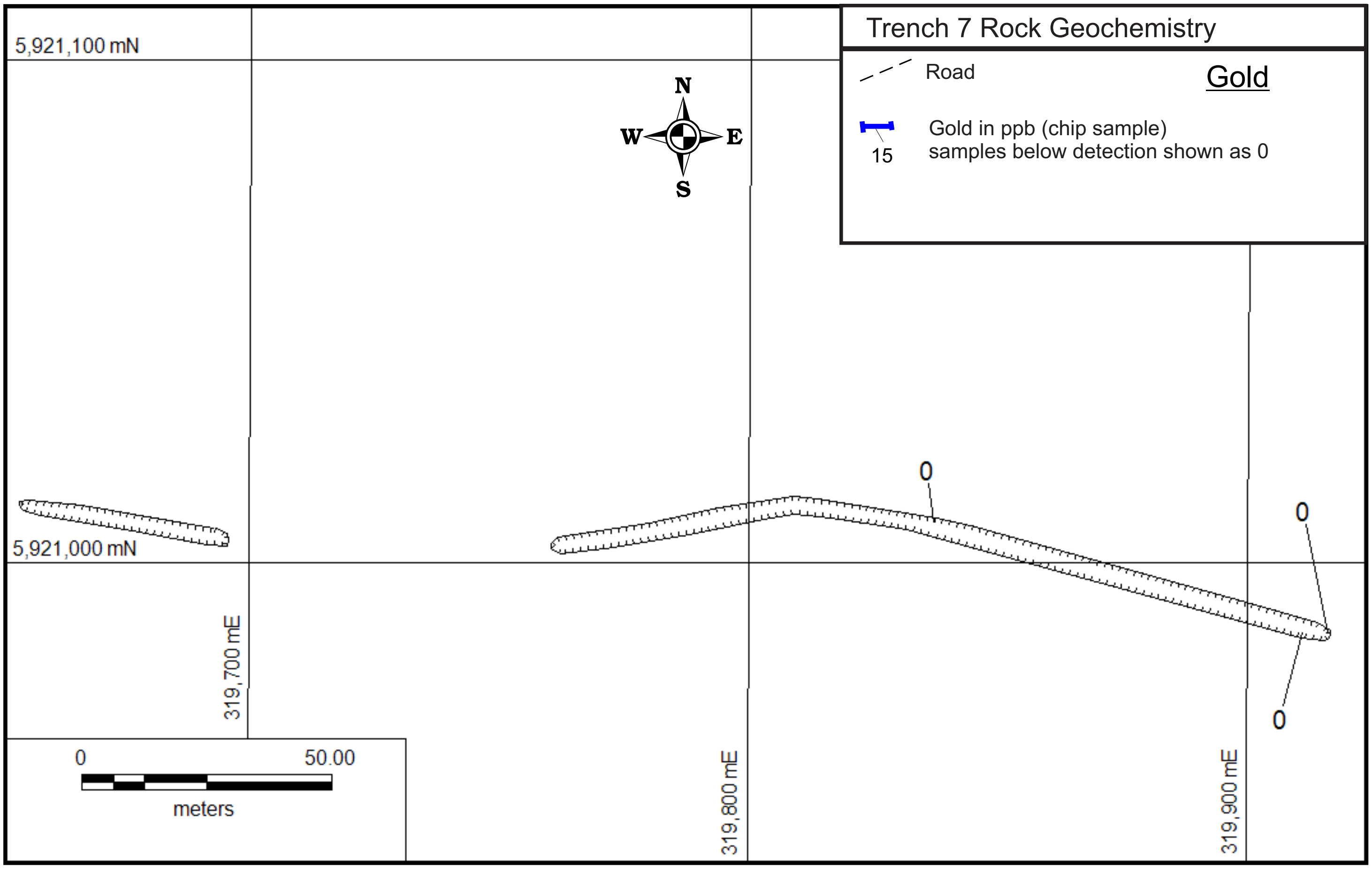

Trench 6 Rock Geochemistry
Road
Zinc
Zinc in ppm (chip sample)
15
319,800 mE
319,850 mE
5,921,250 mN
5,921,200 mN
65
237
406
158
579
155
1,090
635
200
76
365
121
87
46
547
77
600
91
115
57
325
34
79
116
105
1,400
57
38
81
63
95
162
142
116
37
N
W
E
S
0
20.00
meters

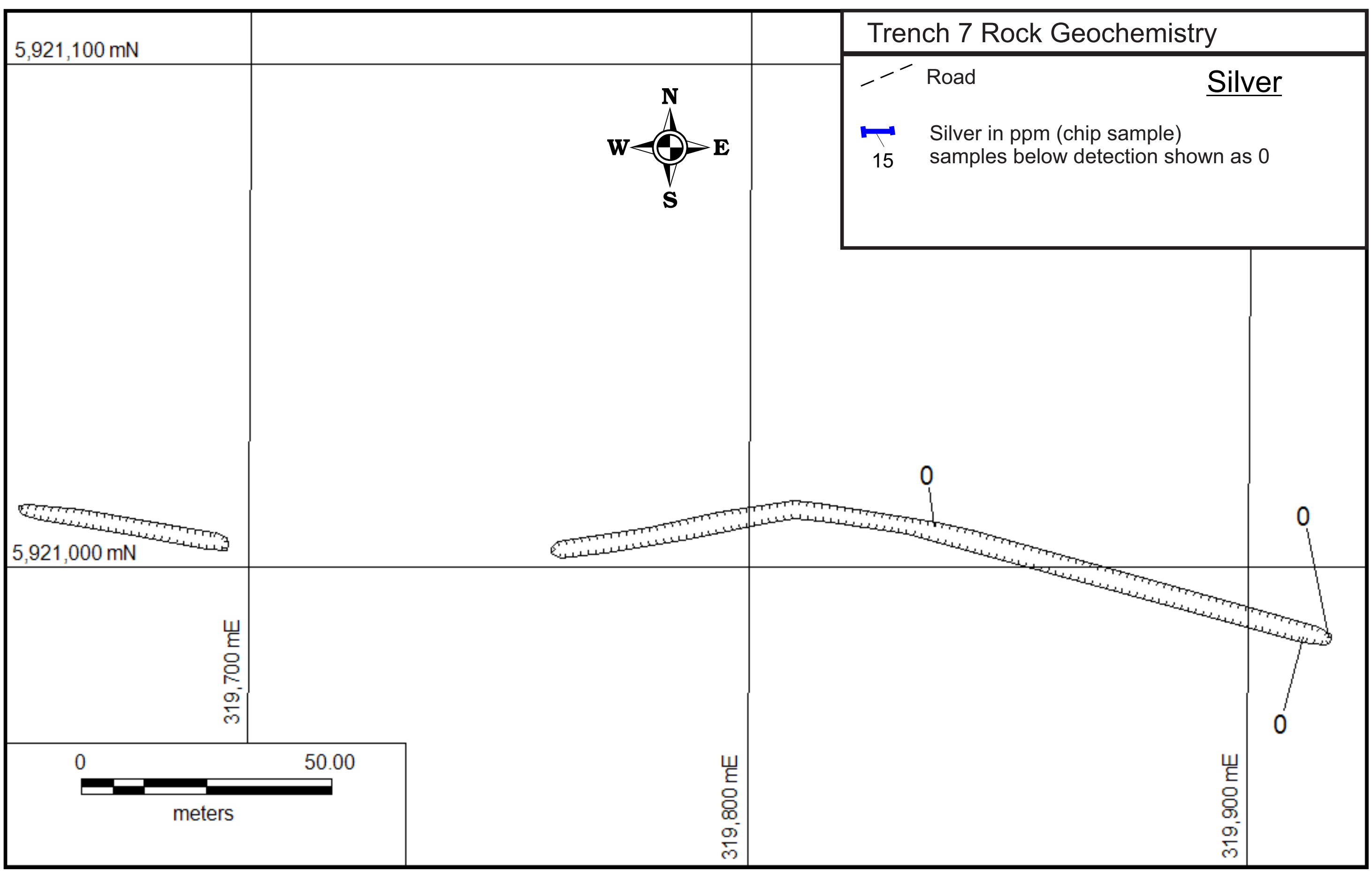

Trench 6 Rock Geochemistry
Road
Gold
Gold in ppb (chip sample)
samples below detection
shown as 0
15
319,800 mE
319,850 mE
5,921,250 mN
5,921,200 mN
0
0
0
0
0
82
0
0
0
51
0
0
9
0
0
0
377
0
0
0
20
0
7
0
84
0
5
0
0
0
0
0
0
N
W
E
S
0
20.00
meters


Trench 6 Rock Geochemistry
Road
Silver
Silver in ppm (chip sample)
samples below detection
shown as 0
15
319,800 mE
319,850 mE
5,921,250 mN
5,921,200 mN
0.2
0.6
0.5
0.5
0.3
0.3
2
0.3
0.3
0.3
0.3
0.2
0.8
0
1.1
0
0
0.4
0
0.5
0
0
0
0
0
0.7
0.2
0
0
0
0
0
0
0
N
W
E
S
0
20.00
meters


Trench 7 Rock Geochemistry
Road
Copper
Copper in ppm (chip sample)
15
5,921,100 mN
5,921,000 mN
319,700 mE
319,800 mE
319,900 mE
63
53
87
0
50.00
meters
N
W
E
S


Trench 7 Rock Geochemistry
Road
Zinc
Zinc in ppm (chip sample)
15
5,921,100 mN
5,921,000 mN
319,700 mE
319,800 mE
319,900 mE
43
236
49
0
50.00
meters
N
W
E
S


Trench 7 Rock Geochemistry
Road
Gold
Gold in ppb (chip sample)
samples below detection shown as 0
15
5,921,100 mN
5,921,000 mN
N
W
E
S
0
0
0
319,700 mE
319,800 mE
319,900 mE
0
50.00
meters


Trench 7 Rock Geochemistry
Road
Silver
Silver in ppm (chip sample)
samples below detection shown as 0
15
5,921,100 mN
5,921,000 mN
N
W
E
S
0
0
0
319,700 mE
319,800 mE
319,900 mE
0
50.00
meters