



**ASSESSMENT REPORT FOR THE 2016 EXPLORATION PROGRAM
OF GEOLOGICAL MAPPING AND SOIL, PROSPECTING AND ROCK
CHIP GEOCHEMISTRY**

**MARS PROJECT “3055” CLAIM GROUPS,
ANTHILL REOURCES YUKON LTD.**

Einarson creek to Marmot creek area, east-central Yukon

NTS Sheets 1/50k: 105O13, 105O14,

Claim names and grant numbers listed on following page

Mayo Mining District

Effective Date Jun 20th, 2017

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Claim Names, 3055 Claims Group

3055 claim Group including 657 claims, sum up area to 129.6 sqkm.

FA 274-314, Lo 51-58, Lo 101-108, Lo151, Lo 153, Lo 155, Lo 157, Lo 159, Lo 162, N 75-100, N 111-116, PA 1-32, Pi 1-3, Pi5, Pi7-18, Pi 23-38, Q 1-16, Q41-66, Q89-136, Q147-152, Q155-218, Q227-524, Qi 46, Qi 48, Qi 50, Qi 52, Qi 54, Qi 56, Qi 58, Qi 60, Qi 62, Qi 64-74.

Claims location map refer to Figure 1, Claims name and ID number refer to appendix

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1.0 Executive Summary

2016 mineral exploration work has conducted within main parts of Mars Trend, the Mars NE zone. Exploration work load at Mars Trend has fallen in 3055 Claim Groups, are located approximately 200 kilometers east of Mayo, in east-central Yukon. The 3055 Groups consists of 657 contiguous quartz mining claims totaling 129.6 Sqkm area. The claims are 100% held by Anthill Resources Yukon Ltd under option agreement with 18526 Yukon Ltd. owned by Ron Berdahl, who is a Yukon resident. Mars project area and its adjacent Einarson Property continues to receive considerable exploration interest since the October 2010 announcement of Carlin-style gold mineralization on their Rackla Project by ATAC Resources.

The 2016 program was gratefully supported by the Yukon Mineral Exploration Program (YMEP Program), focused on the Mars NE target. Work programs consisted of a short phase of infill grid soil surveying, rock sampling and geological mapping across Mars NE area, small scale hand dig trenches exploring Au mineralization potential. This work was conducted during Jul 16th to Jul 26, was done by a technical team with Anthill chief geologist Wanjin Yang BSc, Geologist, consultant geologists Shane BSc, geologist and other two field assistants.

Callisto zone trenching program has defined significant gold mineralization, related to quartz vein boulders associated with stibnite, arsenia pyrite and arsenopyrite mineralization wrapped in loose glacial sediment explored in the trench. Shallow pits at High Grade zone limit in loose glacial till, rock samples returned moderate gold value. These gold mineralization strongly glacial till causative, their bed rock sources are still in mystery. Also the historical glacial trail study may helpful to trace back the sources that the Au mineralization quartz floats come from.

Mars NE zone soil sample program has defined further five weak anomalous geochemistry zones that are coincidently north and south extension zones to the geochemistry trends defined last year.

The Mars NE area with strong IP chargeability and resistivity anomalies defined along east to west profiles in 2015, with this year soil and trenches result warrants considerable further exploration, including testing by RAB drill and diamond drilling at Callisto zone and High Grade zone when needed; further prospecting, lithology, mineralization and alteration mapping suggested along geochemistry trends defined in 2015-2016. The small hill to further south from Mars NE zone also warrants further geological mapping, rock sampling and grid soil sampling for further assessment.

Anthill Resources Yukon Ltd has contributed the full exploration program with expenditure sum up to \$42841.0. The expenditure details refer to table 3. The assessment report is compiled by Mr. Wanjin Yang who is an employee of Anthill Resources Yukon Ltd. He has read "Quartz Mining Act" and

“Hardrock_guidebook__sept2009” and understood the nature of this period of work and responsible for this assessment report.

2.0 Introduction

The 2016 program was gratefully supported by the Yukon Mineral Exploration Program (YMEP Program), focused on the northeastern portion of the Mars Trend, also is Mars NE target. This program consists infill grid soil surveying, trenching and rock sampling and geological mapping across Mars NE zone.

This work has conducted in between July 18th and July 28th, 2016, and the field work has done by consulting geologists Wanjin Yang, Shane Carlos, prospectors/field assistants Luke Carlos and Sean McDonald. Geologist Scott Berdahl helped for logistics preparation management and Ke Shu has helped communicate for logistics supporting and document compilation support. Total work have done at Mars North and Mars Northeast zones displaying in Table 1.

Table 1: Workloads have finished at Mars NE Project 2016

Items	Soil sample	Rock sample	Shovel Trench	Shovel Trench (m)	Channel sample in trench	Mapping area sqkm	Shallow test pit
Mars Northeast	127	16	2	24 m	11	2.0 X1.1	5

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3.0 Property Description and Location

3.1 Lands and Tenor

3055 Claims Groups are located approximately 200 kilometers east of Mayo, in east-central Yukon. The claim groups consist of 657 contiguous quartz mining claims totaling 129.6 Sqkm area covering part of the eastern strike extension of the Rackla Gold Belt. The claims are 100% held by Anthill Resources Ltd under option agreement with 18526 Yukon Ltd owned by Ron Berdahl, who is a Yukon resident.

Claims are active and good to date. The claims locate within NTS 1/5K map sheet of 1050/13, and 1050/14. Their locations show on Figure 1. Their claims ID numbers and new expired dates are listed in appendix A.

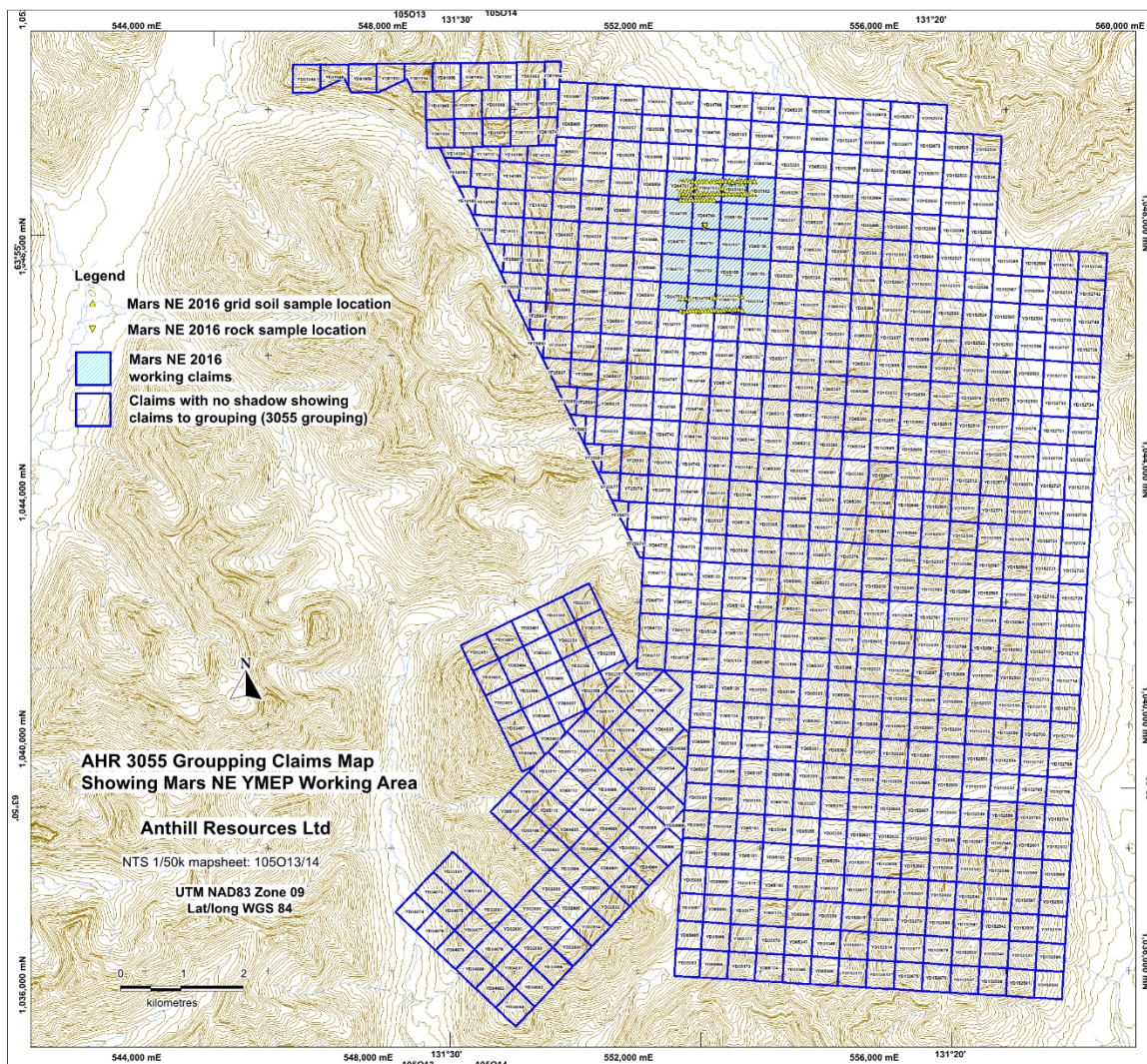


Figure 1, Mars NE Project 3055 claim Group--Quartz mining claims location Map and Various Work load

3.2 Claims ownership

3055 claim group are composed of 657 claims cover an area of 129.6 Sqkm. They are 100% held by Anthill Resources Ltd under option agreement with 18526 Yukon Ltd, owned by Berdahl, who is a Yukon resident. These claims are active and good to date. The detailed information to these claims refer to Appendix A.

3.3 Environmental Considerations

Anthill Resources conducts all exploration activities in a manner to minimize all environmental impacts to land, water, wildlife and cultural resources. All Mars project employees and sub-contractors were required to use best practice procedures for minimizing environmental impact due to exploration activities, and to ensure safe working conditions for all persons.

Anthill Resources has obtained and complied with any applicable permit requirements to conduct mineral exploration on the Mars project of the 3055 claim groups.

4.0 Location and accessibility

The Mars NE project is located within the Hess Mountains, approximately 200 kilometers east of Mayo, Yukon Territory. These claims outline forms a rectangular shape block situated north of Rogue Rivers immediately west of the Yukon/Northwest Territory boundary (Figure 2). The Osiris and Conrad zones, Venus zone Carlin-style gold mineralized system being explored by ATAC Resources and Anthill Resources, are located approximately 30- 50 kilometers northwest of the Mars NE project. Access to Mars NE property is by float plane to the base camp at Anthill Lake or airplane to the Stewart River airstrip, followed by helicopter to the Mars flying camp.

Mars NE project area is glaciated and consists of rugged, steep topography ranging from 900 meters to 2,100 meters in elevation. The majority of the property is above tree line and contains shrubby vegetation. The Mars Project claims encompass an area draining of the northern portion of the Rogue River drainage. Areas below 1,350 meters in elevation are covered by sub-arctic fir mixed with spruce and minor poplar stands along south-facing slopes.

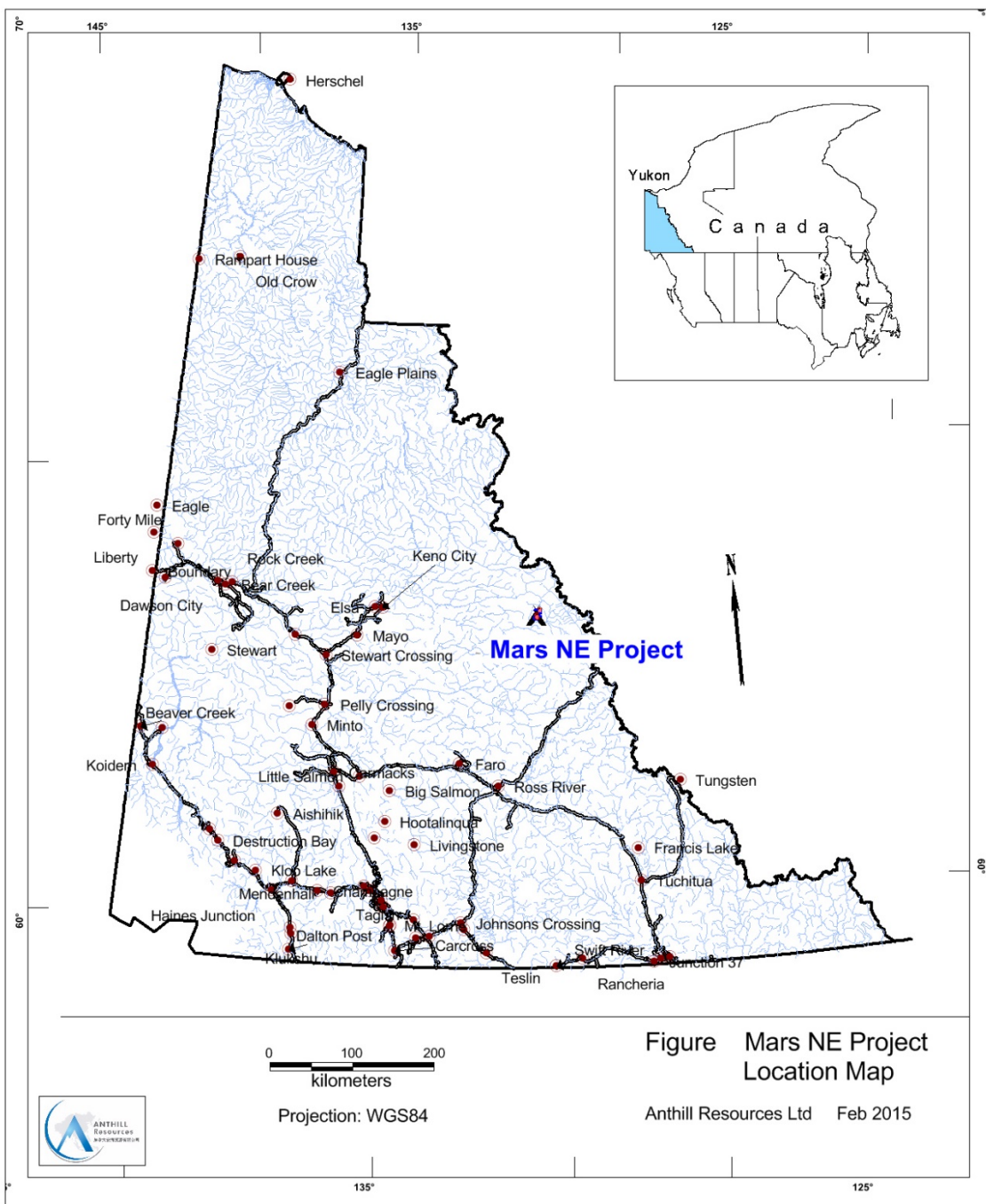


Figure 2 Mars NE project access and Location Map

The Yukon Territory has a sub-arctic continental climate with a summer mean temperature of 10 degrees Celsius and a winter mean temperature of minus 23 degrees Celsius. Summer and winter temperatures can reach up to 35 and minus 55 degrees Celsius, respectively. Mayo, the nearest access point, has a daily average temperature above freezing for 180 days per year. Exploration work generally

occurs between June and September, with the exception of airborne geophysical surveys and claim staking.

5.0 Exploration history

Mars Zone is one of the six prospective exploration trends within Einarson Property (Refer to Figure 3), was first found in 2012 along stream at its presently known south end, trench sampling returned 1.83 g/t Au over 30m, initial drill program intersected 22.16 m interval of 0.571 g/t gold and 25.94 m interval of 0.318 g/t gold in same hole. In 2012 and 2013, grid soil sampling, mapping and rock sampling extended Mars zone 4 km to northwest. Year-2013 soil sampling also revealed the Mars further north anomaly along fault zone extending 8 km NW of the Mars drilled area.

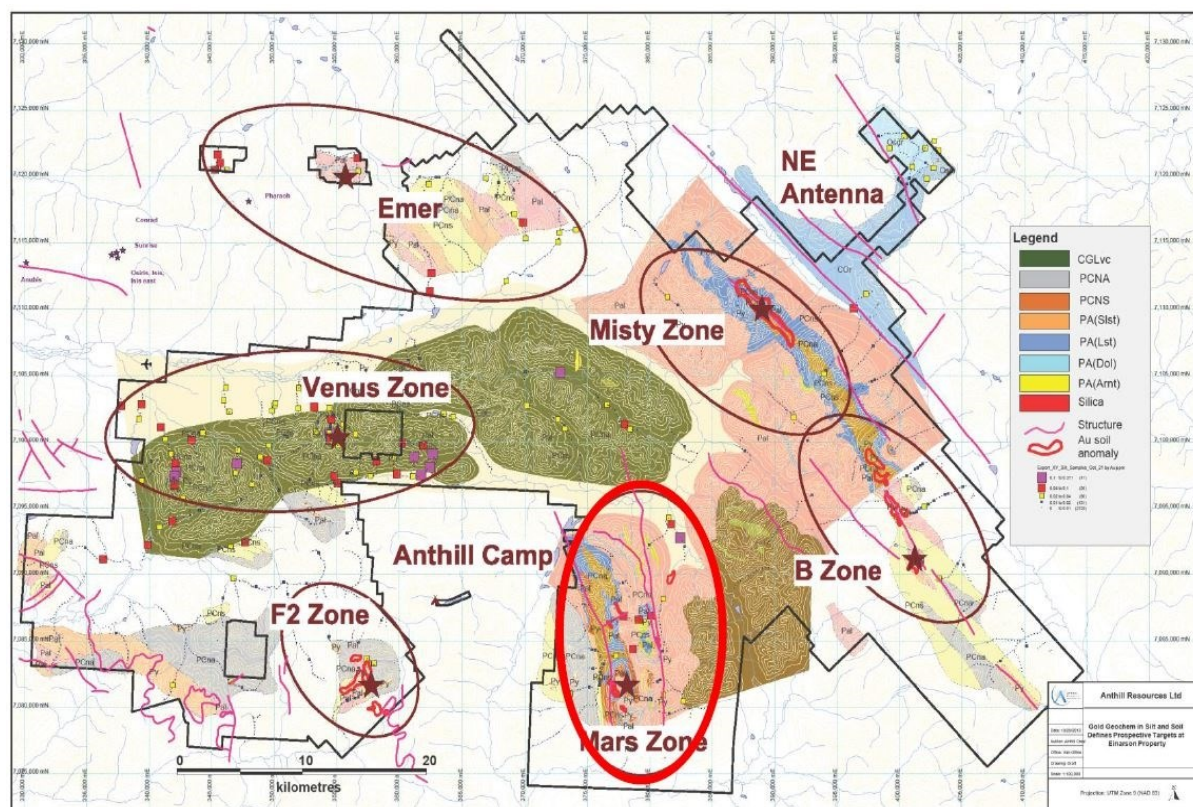


Figure 3, Mars zone is one of 6 prospective trend in Einarson property

Mars NE zone is part of Mars Trend, locates at northeast portion in Mars Trend. Refer to Figure 4. Figure 4 shows a fault frame structures and Carlin type gold mineralization occurrences defined by ATAC Resources and Anthill Resources along east Rackla Gold Belt (Occurrences names and star symbols in purple color).

Year-2013 sampling also identified the Mars NE anomaly at extreme NE end of surveyed area along a broad valley. The Mars NE target indicates a separate mineralized horizon from the Mars Main and North zones.

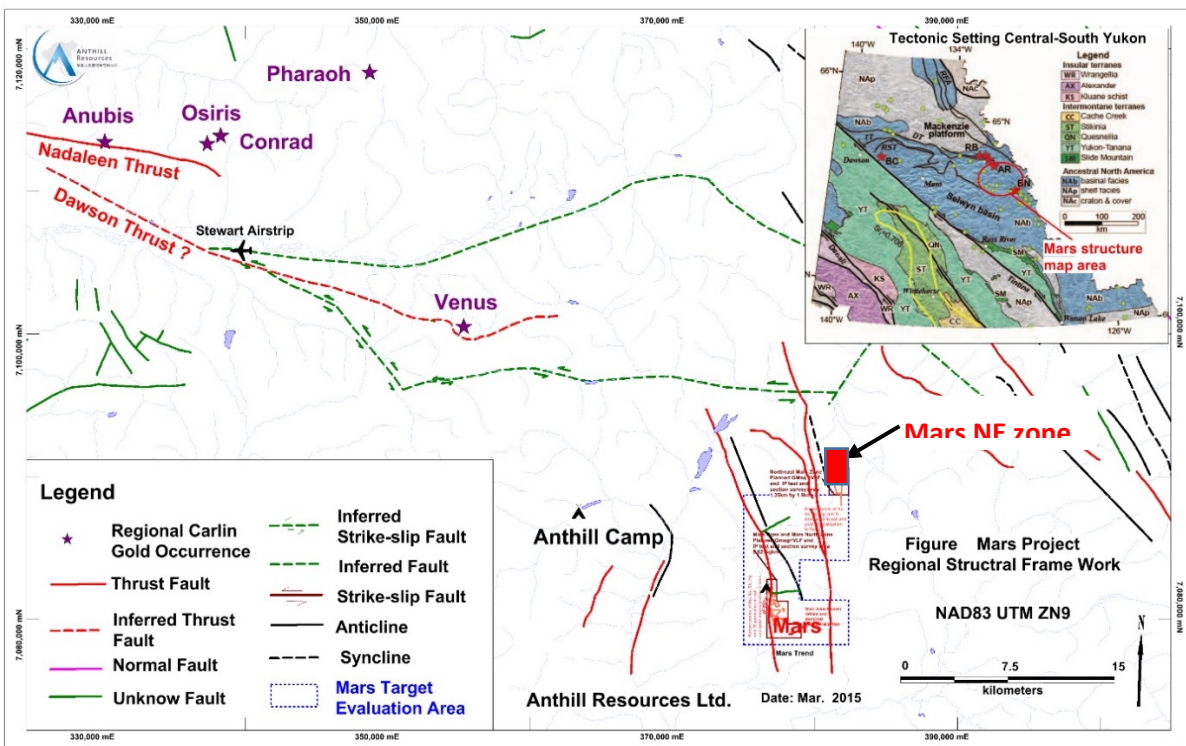


Figure 4: Mars NE target locates at northeast portion in Mars Trend. Mars NE target is showing in red.

Year-2015 Mars NE Target exploration program has defined Callisto zone and High Grade zone of gold bearing quartz floats sites where the soil developed in vegetation zone just below subalpine bear rock zones. At Callisto zone, quartz boulders contain high grade gold observed on surface of intense weathered orange soil covered hill where the bushes less developed with a lot spaces open. Carl Sulthz calls the killer zone-Callisto zone, where gold high to 8.56 g/t in a banded arsenical pyrite and stibnite bearing quartz float. The High gold zone is an area where a couple of gold bearing boulder observed just lower subalpine zone in thick bushes, rock sampling returned a value of 25.2 g/t gold from arsenical quartz breccia.

6.0 Mars Property Geology

6.1 Lithology

Mars Trend is underlain by a thick sequence of Hyland Group stratigraphy. The Hyland Group consists of several kilometers of terrigenous clastic strata with minor carbonate lithologies that span the

The Ysezyu Formation consists of a thick succession of medium- to coarse-grained quartzose sandstone and grit to quartz-pebble conglomerate with interbedded siltstone and shale. The unit is monotonous and massive no regional marker beds.



The Algae Formation conformably overlies the Yusezyu Formation locally in the Selwyn Basin and the type locality occurs within the Mars Project. The Algae Formation can be subdivided into a lower carbonate sequence and an upper calcareous siliciclastic sequence. The carbonate sequences consist of polymict cobble conglomerate, tabular intraclast floatstone and rudstone, flaggy limestone and calcareous turbidite units (Bennett, 2012, 2013). Work by Harry Cook (2011a, 2011b) defined four similar carbonate depositional sequences of Algae Formation in the Mars Project area and all of these areas host gold in soil geochemical anomalies (Figure 10). Cook (2011a, 2011b) postulated that the Algae Formation forms a marker horizon extending east and south from the Nadaleen Trend through to Mars Project area.

The siliciclastic units are composed of distinctive angular, poorly sorted, quartz-rich, calcareous and non-calcareous sandstone, siltstone that are locally pyritic. The contact with the lower chemical sediments is transitional.

The Narchilla Formation overlies the Algae Formation and is subdivided into Senoah and Arrowhead Lake members. The Senoah Member consists of interbedded siltstone and mudstone while the Arrowhead Lake Member consists of green and maroon shale. Fossil control shows that Narchilla deposition was active into the Early Cambrian.

The Gull Lake Formation conformably overlies the Narchilla formation and is subdivided into three members. A discontinuous limestone conglomerate defines the base of the unit and is overlain by rusty laminated shale, siltstone and fine-grained sandstone. The upper member consists of grey, thick-bedded, variably calcareous and dolomitic siltstone and mudstone. Locally, basaltic sills, flows and dikes, and associated volcanoclastic sediments are interbedded throughout the formation (Bennett, 2012, 2013).

There is no any evidence of Mesozoic or Cenozoic age intrusive rocks or associated hornfels alteration within Mars Project.

6.2 Structure

Geological mapping for the entire Mars Project area is available from Gordey and Makepeace (2001) at a scale of 1:1,000,000 (Figure 4). The east-west trending Dawson Thrust zone (DTZ) crops out in the northwest of the Mars project area and is spatially associated with mineralization in the Reckla Gold Belt and Nadaleen Trend area. DTZ southeastern extension is still unknown, however Mars project locates DTZ's eastern and southeastern projection. North-northwest trending anticlinal folds (East Thirteen folding) with associated west vergent thrust faults locate within Mars Trend are associated with mineralization in the Mars Project (Cecile, 1998) (Figure 5).

In the Mars Project area, the moderately east dipping, 330° trending Mars Fault cuts the western limb of the East Thirteen Anticline with 100's of meters of normal offset (Cecile, 1998). The Mars Fault is cut by two smaller 300° trending normal faults with 10's of meters of normal offset, forming a small graben

structure (Figure 5). The graben is spatially associated with a significant gold in soil anomaly in the Mars Trend.

6.3 Mineralization

The Mars Project area is located 20 km southeast of the Anthill Lake camp. The Mars target area was defined by a gold stream silt anomaly in 2012 and was explored by prospecting and geologic mapping, soil and rock sampling and drilling during the 2012 and 2013 exploration programs. The target area was defined by a significant gold in soil, rock and trench geochemical anomaly developed along the faulted western margin of the East Thirteen Anticline. The 2012 drill program by Anthill Resources encountered significant gold mineralization in drill hole A2-12-01 at the southern extent of the gold geochemical anomaly.

Gold mineralization is localized along the steep western limb of a north-northwest trending, anticline. The fold limb is cut by a north-northwest trending, moderately east dipping normal fault, and numerous sub-parallel splays and bedding parallel thrust faults. Surface exposures of gold mineralized faults are developed in interbedded sandstone/siltstone of the Narchilla Formation, and minor base metal mineralization is also present in adjacent carbonate lithologies of the Algae Formation.

Gold mineralization is associated with quartz-carbonate-pyrite-arsenopyrite veins developed in both high-angle and low-angle fault/shear zones, and as replacement style mineralization peripheral to the structural zones. Discontinuous, high-angle quartz veins are also developed within low-angle, bedding parallel shear zones. Alteration consists of vein and replacement quartz along the structural zones with thin peripheral clay selvages. Minor, local Cu-Pb-Zn mineralization is present and the geochemistry shows a weak, but consistent Pb-Zn-Cu correlation with gold values. Orpiment or realgar mineralization has not been observed in the Mars area yet. Quartz veins from the Mars Northeast area are chalcedonic and suggestive of an epithermal style of mineralization.

7.0 Deposit type

7.1 Carlin-type Gold /Sediment hosted Gold Mineralization

Carlin-type gold deposits are epigenetic, low to moderate temperature, stratabound replacement deposits of gold associated with arsenian bearing pyrite, pyrite, and lesser arsenopyrite and native gold. Associated sulfide gangue minerals include realgar, orpiment, stibnite, cinnabar and thallium minerals. Non-sulfide gangue minerals include quartz, clay minerals, barite, fluorite and carbonaceous material. The deposits are localized along initially passive, extensional continental margins overprinted by convergent back-arc felsic magmatism and fold and thrust deformational belts. The deposits are enriched in As, Sb, Hg and Tl and in some instances show correlation with W and Mo. The deposits are generally low in silver (10:1 gold/silver).

The gold deposits are commonly hosted in silty or argillaceous carbonate and carbonate-bearing clastic lithologies deposited in the continental slope-basin transition zone. Most of the deposits are found

within broad, regional antiform structures in the footwall of regional thrust faults juxtaposing thick, deep water chert-shale lithologies on the carbonate-bearing lithologies. Within the North American Cordillera, the host rocks range in age from Late Proterozoic through the Triassic with the bulk of the gold mineralization hosted in Devonian age carbonates. Many of the deposits are spatially and possibly temporally associated with felsic intrusive rocks which intrude the high-angle feeder structures. They are also associated with larger older to coeval intrusive complexes with associated porphyry and skarn style mineralization. There is Carlin-type gold mineralization with no documented magmatic signature however.

The interaction of high-angle structures with favorable host stratigraphy controls the deposit-scale gold mineralization within regional-scale anticlinal structures. The regional alignment of these anticlinal carbonate-bearing “windows”, as observed in Nevada, produce linear trends of gold mineralization (Carlin and Battle Mountain-Eureka Trends) which suggest a crustal-scale, margin parallel structural control to the gold bearing hydrothermal systems.

Gold mineralization geometry is commonly tabular with both replacement and brecciation textures. Alteration consists of decarbonation with significant volume reduction and collapse brecciation, and silica replacement with associated hydrothermal brecciation. Minor high temperature clay mineral alteration is also present. Gold mineralization commonly consists of gold bearing, arsenic-rich pyrite overgrowths on pre-ore sulfides, and within and on ore-stage gangue minerals.

The current models suggested for Carlin-type gold formation include hydrothermal fluid/metal sources from deep crustal fluid related to mantle/lower crust metamorphic processes and distal magmatic fluid from porphyry/skarn magmatic systems. These gold systems are large, ranging up to 150 MT in size and have significant tonnages of high grade ore ranging between 5 and 10 g/t Au. Where the deposits are oxidized they are amenable to low-cost heap leach production, while the sulfide mineralization is commonly refractory.

7.2 Orogenic Gold Deposit

The so-called 'mesothermal' gold deposits are associated with regionally metamorphosed terranes of all ages. Ores were formed during compressional to transpressional deformation processes at convergent plate margins in accretionary and collisional orogens. In both types of orogen, hydrated marine sedimentary and volcanic rocks have been added to continental margins during tens to some 100 million years of collision. Subduction-related thermal events, episodically raising geothermal gradients within the hydrated accretionary sequences, initiate and drive long-distance hydrothermal fluid migration. The resulting gold-bearing quartz veins are emplaced over a unique depth range for hydrothermal ore deposits, with gold deposition from 15-20 km to the near surface environment. On the basis of this broad depth range of formation, the term 'mesothermal' is not applicable to this deposit types as a whole. Instead, the unique temporal and spatial association of this deposit type with orogeny means that the vein systems are best termed orogenic gold deposits. Most ores are post-orogenic with respect to tectonism of their immediate host rocks, but are simultaneously syn-orogenic with respect to ongoing deep-crustal, subduction-related thermal processes and the prefix orogenic satisfies both these

conditions. On the basis of their depth of formation, the orogenic deposits are best subdivided into epizonal (<6 km), mesozonal (6-12 km) and hypozonal (>12 km) classes.

Gold commonly occurs as the native element, usually alloyed with silver, and may occur as inclusions in pyrite, pyrrhotite, arsenopyrite, chalcopyrite, sphalerite and galena, and as telluride minerals. Gold/silver ratios are on the order of 5 to 10. Auriferous veins mainly consist of quartz, usually with up to 10% sulphides and occasionally much more when highly sulphidized, and variable ferroan carbonate, albite, chlorite, tourmaline, and white mica. Pyrite and arsenopyrite are the most common associated sulphide minerals with less common pyrrhotite, molybdenite, chalcopyrite, sphalerite, galena, bornite, chalcocite, and other minerals which include stibnite, scheelite, magnetite, and tellurides.

Mineralization styles range from discrete quartz veins, quartz-vein stockworks and breccia zones in shallow, brittle settings, to discrete quartz-(sulphide-carbonate) veins associated with shear zones and sulphide-filled fractures and shears in brittle-ductile zones, to sulphide-rich disseminated and replacement bodies in deep, ductile environments. Concordant (stratabound) and discordant styles exist. Veins typically have a complex geometry with anastomosing and/or conjugate arrays. Deposits are generally steeply-dipping, tabular to lensoidal, and narrow (tens of centimetres to tens of metres) with relatively large strike and down-dip dimensions. Orebodies typically strike parallel to subparallel to the host structures.

Alteration mineralogy is normally zoned and the mineralogy, intensity and extent vary with the nature of the hydrothermal fluids, host rock type(s) and metamorphic grade. Alteration may include silica, sericite, chlorite, epidote, carbonate, sulphide, talc, tremolite, aluminosilicates, K feldspar, biotite, albite, cordierite, anthophyllite, chloritoid, and hematite.

8.0 2016 Mars NE zone program description

2016 year Mars NE target evaluation program is well supported by Yukon YMEP program. Anthill Resources field technical team has conducted Preliminary lithology mapping program covers most of the 2.0 by 1.1 km area; northern and southern extension grid soil sample program has resulted in 127 soil samples and whole Mars NE property prospecting has taken 16 rock chip samples; hand-shovel trenching program at Callisto zone and shallow test pit at High Grade zone. Two trenches at Callisto zone with 24 meters length work load has finished and 5 small test pits has done at High Grade Zone. Hand trench at Callisto zone returned significant Au value in channel samples.

8.1 Preliminary lithology mapping at Mars NE zone

Preliminary geological mapping program has conducted as long as soil sampling and prospecting program has been going at Mars Northeast Zone this summer. Limited outcrops and rubble crops exploring along creek bank and Callisto zone area where geologists recognized sedimentary sequences comparable with Selwyn basin Hyland Group rock types including sandstone, siltstone, mudstone, shale and limestone. These are locally overprinted with argillic, silica and carbonate alteration. Argillic alteration associated with limonitic alteration overprinted to calcareous siltstone rubble crops at Callisto

zone where prospecting returned high grade gold (high to 8.56 g/t Au) in banded siliceous rock and quartz vein rubbles. As well geology feature information recognizing based on soil materials, till sediment, interpretation at other areas are marked on a base map for further reference and resulting to a Preliminary lithological map refer to Figure 6, Mars NE Preliminary Lithological Map.

Outcrops observed including: Sandstone, Siltstone, Shale, Mudstone and limestone. Some areas observed siltstone, sandstone bearing till at northeast part. At High Grade zone, quartz vein float and quartz vein breccia float observed returned high Gold value to 25.5 g/t.

Alteration including argillic (clay) alteration most common type alternation, locally clearly kaolinite alteration, and carbonate alteration locally overprinting calcareous sandstone and limited sandy limestone thin unit at southwest. Phyllitic alteration (metamorphose event) occur pervasively along property area, described as sericite alteration along shale and fine grained siltstone.

Lithology description at Mars NE zone 2016 in Einarson property

Q Quaternary unconsolidated glacial silt, sand, gravel

PChn 4 Grey, brown black shale with locally intercalated calcareous siltstone and thin section of limestone. Carbonate, clay alteration. bedding strike to NW dipping toward east. Thrust fault developed in this unit. Mapped at south part. Phyllitic metamorphic occur.

PChn 3 Purple, brown, yellow shale with intercalated thin banded siltstone. Bedding strike to NW then turn to NE, East dipping mostly with a moderate angle. Clay and carbonate alteration. Phyllitic metamorphic occur.

PChn 2 Calcareous sandstone, siltstone intercalated with fine siltstone. Clay and carbonate alteration, limonite alteration locally. Bedding strikes to NE vertically to moderate angle. Phyllitic metamorphic occur.

PChn 1 Laminated shale grey to pale in color. Clay and carbonate alteration. Near vertical bedding strike to NE. Phyllitic metamorphic occur. mapped in creek at most north part.

PChn Undivided Nachilla Formation grey shale maroon shale, intercalated with fine sandstone, siltstone and limestone units.

Glacial sediment rock chips observation

Sst Clast in till, Glacial till marine sediment with sandstone clast occur. Sandstone described as brown calcareous sandstone and siltstone, with quartz veining stock works developed in sandstone cross cut bedding.

limenite Sst clast in till, Sandstone boulder and pebbles with limonite alteration.

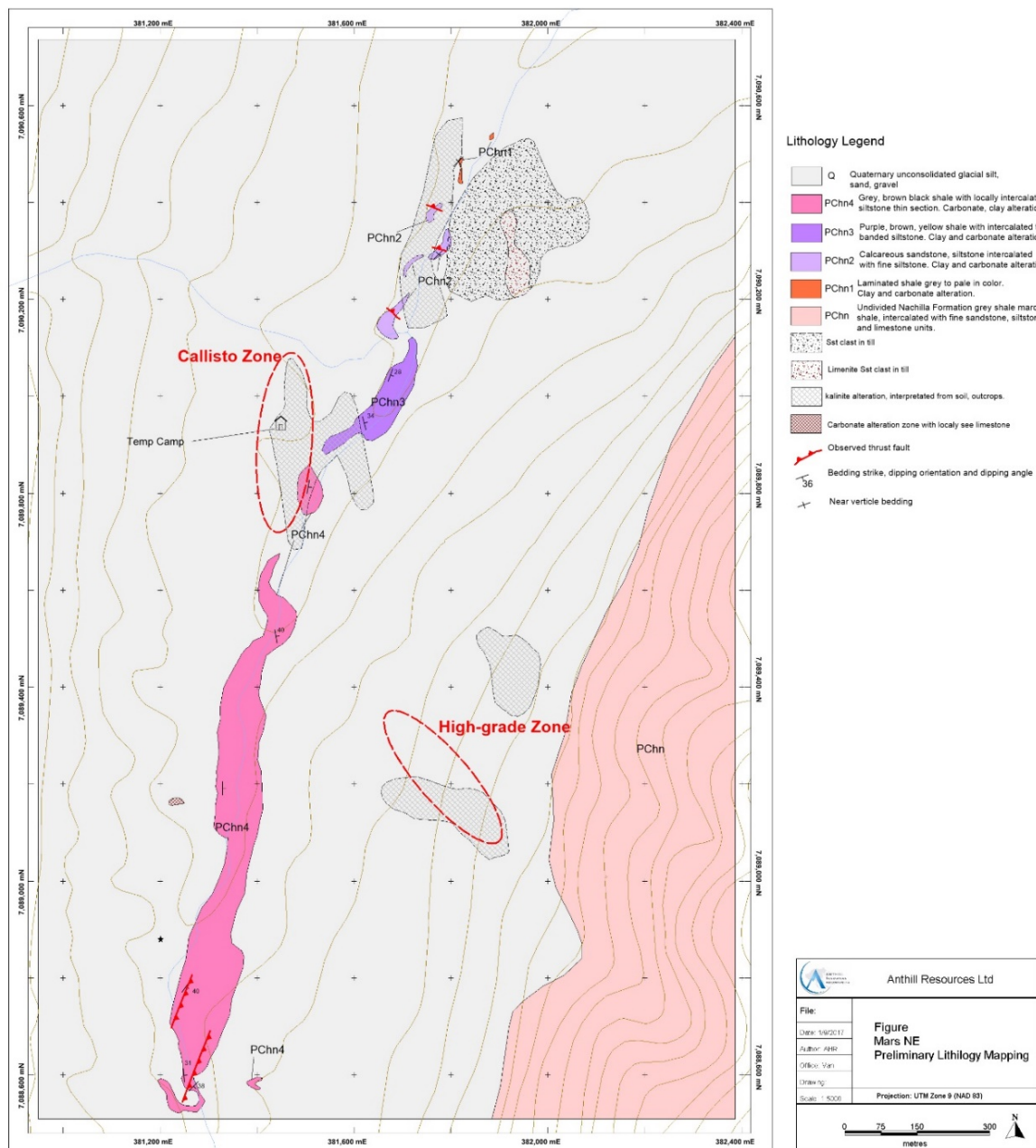


Figure 6, Mars NE zone Preliminary lithological map

8.2 Trench program at Callisto zone and High grade zone

8.2.1 Callisto zone Trench

Only limited hand trenching and shallow pit has been completed at Callisto zone and High Grade zone respectively in 2016. A total of two trenches were completed in Callisto zone area totaling approximately 24 meters length and five small shallow pits in High grade zone. A single trench was channel sampled in the Callisto zone area in the vicinity of the high gold quartz floats was observed along surface. The trench location and general Callisto zone view refer to Photo 1. The geochemical

analysis of rock chip channel sampling of the Callisto zone trench is summarized in Table 2 and plan maps showing gold assays, geology and alteration/mineralization are shown in Figure 7.

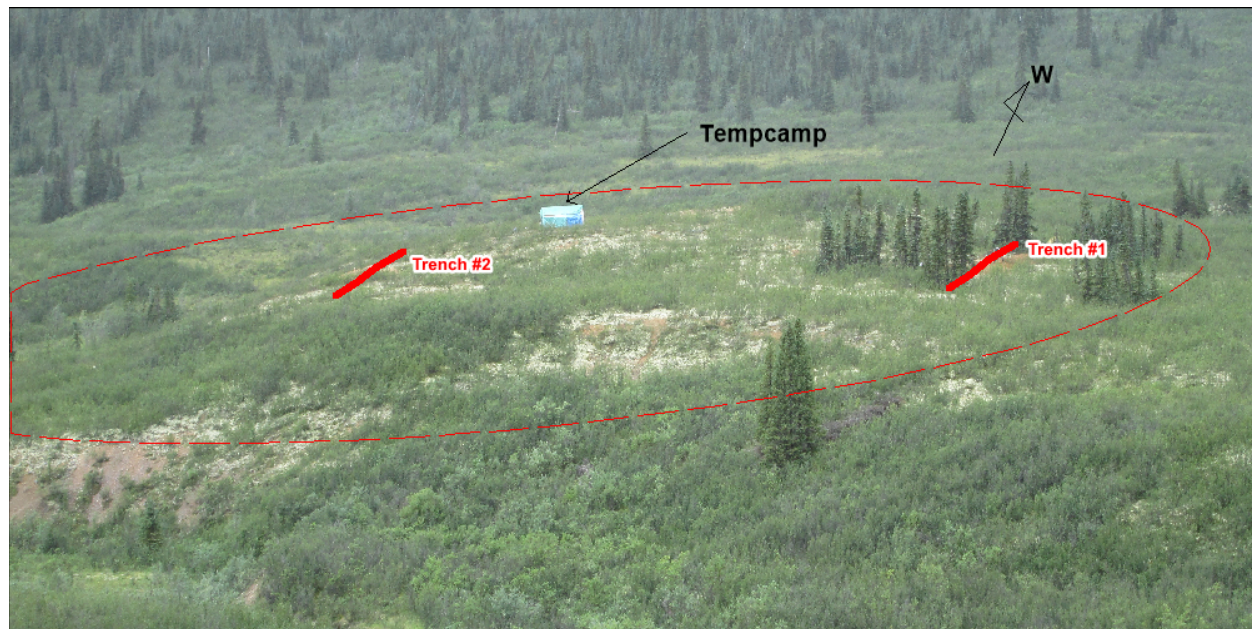


Photo 1, Callisto zone trenches location and general view

Table 2. Callisto zone trench channel sample assay

SAMPLE	Width (m)	Au ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Tl ppm	Cu ppm	Pb ppm	Zn ppm
S685455	60 cm	0.075	0.03	1440	31.6	0.23	0.08	41.8	17.9	105
S685456	40 cm	0.267	0.06	4710	141	0.14	0.06	33.1	42.8	103
S685457	95 cm	3.29	0.09	4170	144	0.18	0.06	33.1	40.9	93
S685458	55 cm	4.67	0.1	4230	186.5	0.15	0.06	36.5	50.8	194
S685459	25 cm	0.204	0.04	1230	80.6	0.11	0.06	41.2	24	258
S685460	75 cm	2.55	0.14	10000	306	0.15	0.05	27.5	48.7	52
S685461	25 cm	0.199	0.05	1525	127	0.12	0.06	36.6	39.8	110
S685462	60 cm	1.855	0.07	10000	10000	0.18	0.05	41.4	37.7	86
S685463	35 cm	0.121	0.05	1595	144	0.14	0.05	41.3	45.5	139
S685464	50 cm	1.68	0.14	10000	132	0.14	0.05	37.7	66.5	72
S685465	15 cm	0.104	0.03	579	47.6	0.1	0.05	22.3	14.1	124

*Note: More details for this trench channel sample assay refer to Appendix A

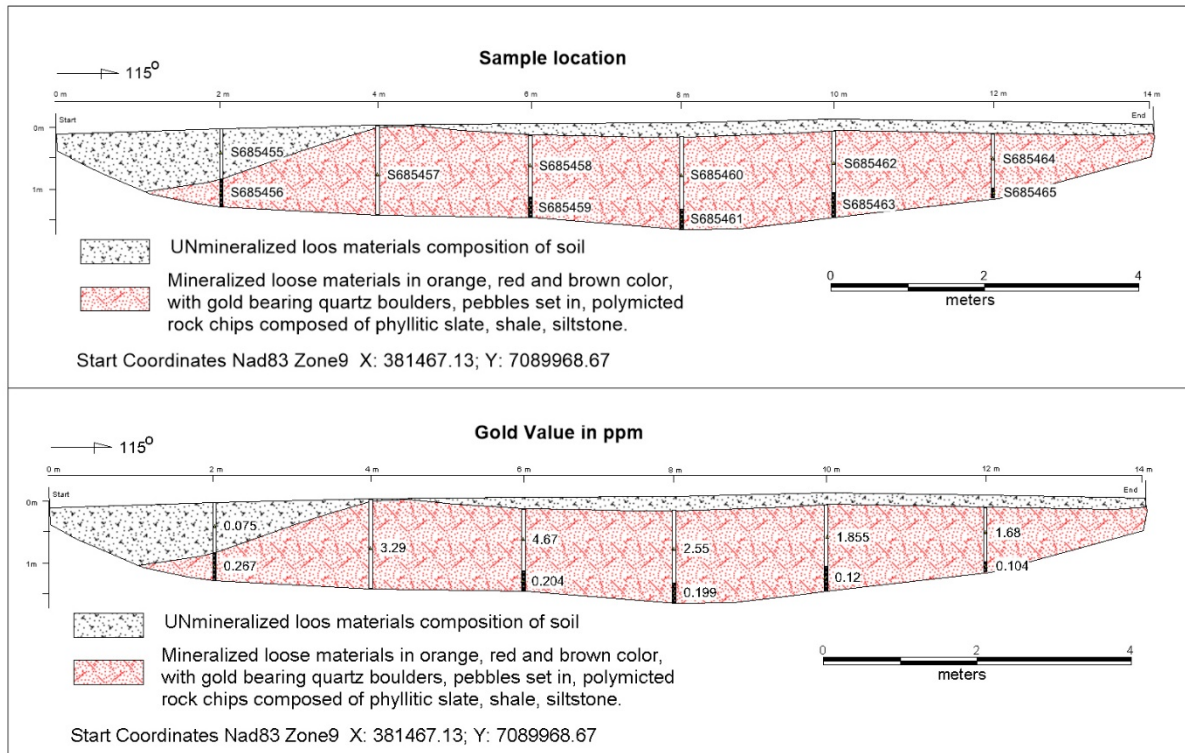


Figure 7. Callisto Zone Trench Sketch Map, Mars NE zone

This trench is about 1 meter wide 14 meters length and 1.3 meter at the deepest point. Mostly, the trench explored is loose rock chip boulder and till materials including grey shale, calcareous siltstone, calcareous sandstone, gold bearing quartz boulders and pebbles. The materials at mid depth showing brown to orange layers in which the gold bearing quartz boulders and pebbles enriched returns significant gold values in between 2.67 g/t and 4.67 g/t, refer to Photo 2 the. Along the trench bottom line unexplored grey colored loose sediment with less or no quartz boulders returns lower gold values but mostly higher than 0.1 g/t. Whole 10 samples in trench returned gold values higher than 0.1 g/t showing in pinky color on Figure 5 shows gold average value to 1.84 g/t. Single pick up gold bearing quartz samples from the float in trench contains coarse grain stibnite arsenia pyrite and arsenopyrite crystals filling in quartz cavities and occasionally 2 cm stibnite veins in banded quartz. One gold bearing quartz pick up sample returns 9.93 g/t Au from the quartz boulders shows in Photo 3.

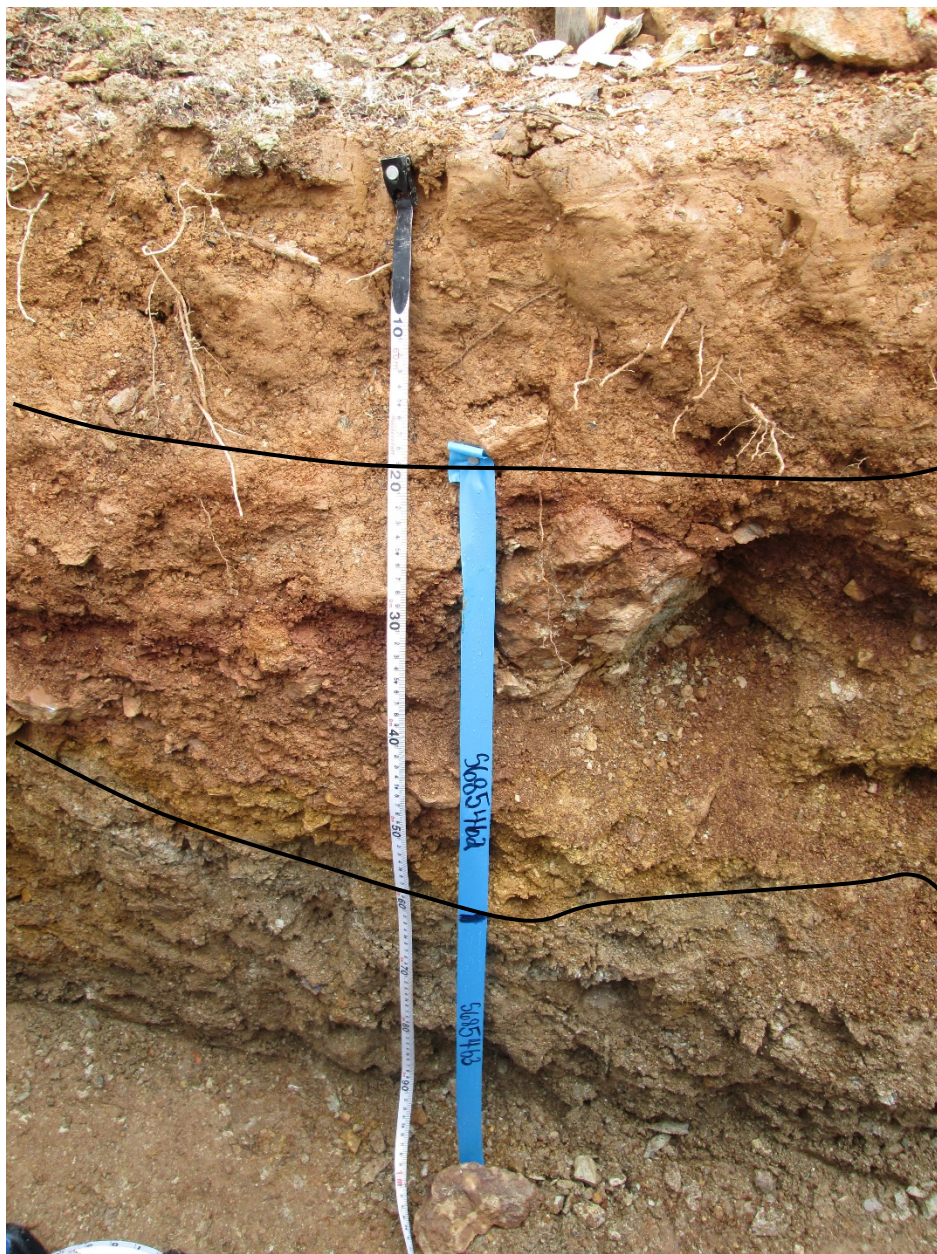


Photo 2, Trench sample location and color variation, S685462 Au 1.855 g/t; S685463 Au 0.12 g/t.



Photo 3, Quartz vein float with disseminated stibnite and arsenopyrite (arsenia pyrite) bands and pods returns 9.93 g/t Au, 2.89 g/t Ag, more than 10000 ppm As and Sb.

8.2.2 High Grade zone pits

Limited shallow pits digging at High Grade zone explored quartz floats in thick loose glacial or talus materials that assayed high to 4.36 g/t Au. One shallow pit digging just 1.2 meter depth, do not see bed rock yet. One quartz chips rich soil sample from this pit returned 5.31 g/t Au. For a view of this shallow pit refer to the photo 4.



Photo 4, High Grade zone shallow pit digging, 1.2 meters depth, loose materials with quartz chips. Soil sample returns 5.31 g/t Au. (No bad rock explored)

8.2.3 Discussion

Callisto trenching program aim to explore the bad rock beneath the vicinity of gold bearing quartz floats area. Channel samples from the trench returned significant gold mineralization related to disseminated stibnite and arsenopyrite mineralization in coarse quartz vein float and banded quartz vein float. Except for one channel sample returns 0.075 g/t Gold, all other higher than 0.1 g/t gold samples in the trench give an average Au value to 1.84 g/t. A higher pick up quartz sample returned 9.93 g/t Au. The mineralization zone in trench shows a broad zone could be 13 meter wide. But the mineralization is quartz rich loose materials might be glacial till still yet to be bad rock, there is no bad rock explored in this trench. Similar quartz mineralization in High Grade zone, quartz samples from loose glacial materials returned 5.31 g/t Au in shallow pits.

Mineralization in quartz veining floats in glacial sediments indicate the potential for vein type gold mineralization as defined in Golden Predator's 3-Acre property which returned high grade and gold zone that highly economic potential. Here at Mars NE zone, the Au mineralization is still limited in glacial materials, more digging or shallow RAB drill needed to explore the mineralized bed rock. The historical glacial trail study may helpful to trace back the sources that the Au mineralization quartz floats may come from.

8.3 Geochem, prospecting work program

8.3.1 Introduction of geochemistry work

The 2016 geochemistry work program on the Mars NE area consisted of, grid soil sampling, rock sampling across the anomalous area, which covers the floor of a wide glacial valley. The soil sampling consisted of extension of previously established grid lines to cover the entire valley floor, as well as establishment of infill lines, resulting in a 100-metre line spacing and a 50-metre station spacing. The resultant grid covers an area of 2.0 km north-south by about 1.1 km east-west. A total of 27 rock, 127 soil samples were taken from this area.

The Mars NE area is covered by “buckbrush” with subalpine timber along valley walls. The soil is well developed and clay-rich. The valley floor contains several small glacial drumlins, which likely provide deep overburden rendering soil results inconclusive at some locations. Soil samples were taken by 125 cm length hand auger, with an average depth of about 20 cm, to ensure penetration to the B or C horizons. Rock, soil and silt samples were described in detail, and matched with analytical results attached in Appendix A.

The campsite was located on a small barren knoll marked by strong carbonate alteration in local rubblecrop boulders. Fairly abundant quartz-rich rubblecrop boulders occur just east of the bare knoll, which may represent a “kill zone” prohibiting growth of buckbrush- the Callisto zone.

All soil and rock samples were sent to ALS Yukon prelab in Whitehorse, then the rock samples were processed for soil 30 g FA/AES gold plus 51 elements ME-MS41 geochemical analysis and rock 50 g ICP22 gold plus 51 elements ME-MS41 geochemical analysis. Final assay is processed in ALS’s North Vancouver Laboratories. Sample location data, field description data and geochemical analytical data were uploaded into Anthill Resources database. All soil and rock sample assay result refer to appendix A



Photo 5: View of Callisto zone in “Kill zone”

8.3.2 Geochemistry results

Soil sample geochemistry

A total of 127 soil samples were collected from the Mars NE zone northern and southern extension with the maximum gold in soil value of 0.066 ppm (except one sample from the shallow pit, it is 5.31 g/t). The soil surveys have defined five trends of weak anomalous of gold in soil within the Mars NE zone (refer to Figure 15). These trends extend 200 to 300 meters elongating the existing trends defined in 2015 by Carl's field soil sampling work. Trend # 8 and Trend # 9 defined at northern portion indicate a just higher than 20 ppb gold anomalies might is the Trend # 3's northern extending part. The Trend #6 and Trend #7 are weak gold anomalies may be the south extension of the Trend #1 and Trend #2. Trend #10 is an arsenic and antimony moderate anomalies defined trend. Trend #1 Trend #2, Trend #3, Trend #4, Trend #5 are those trend defined last year by Carl Schulz.

Soil sample location map and the spatial distribution of Au, As, Sb, Hg and Tl in soil anomalies shown in Figures 8, 9, 10, 11, 12, and 13.

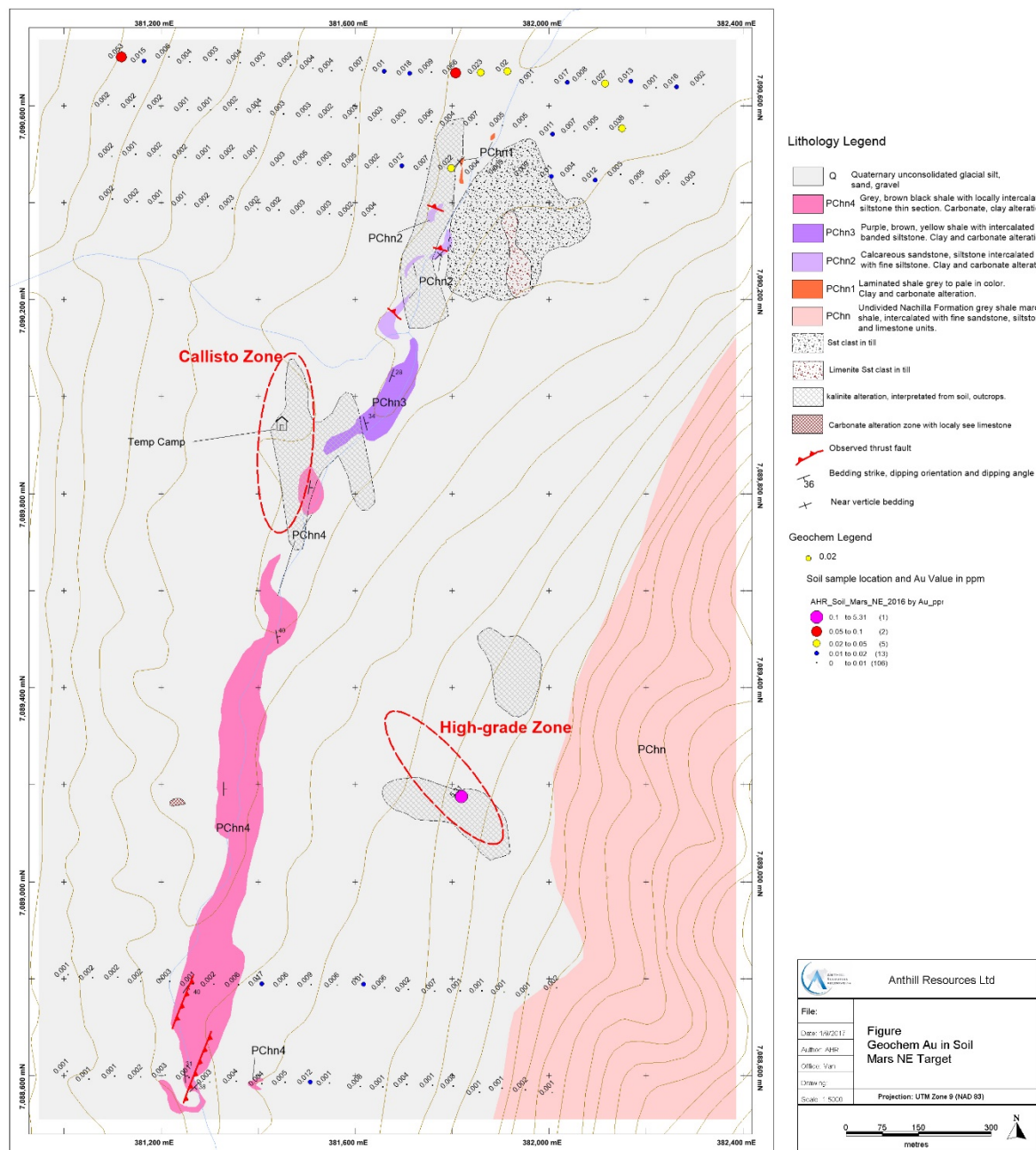


Figure 9, Mars NE zone Geochem Au in soil

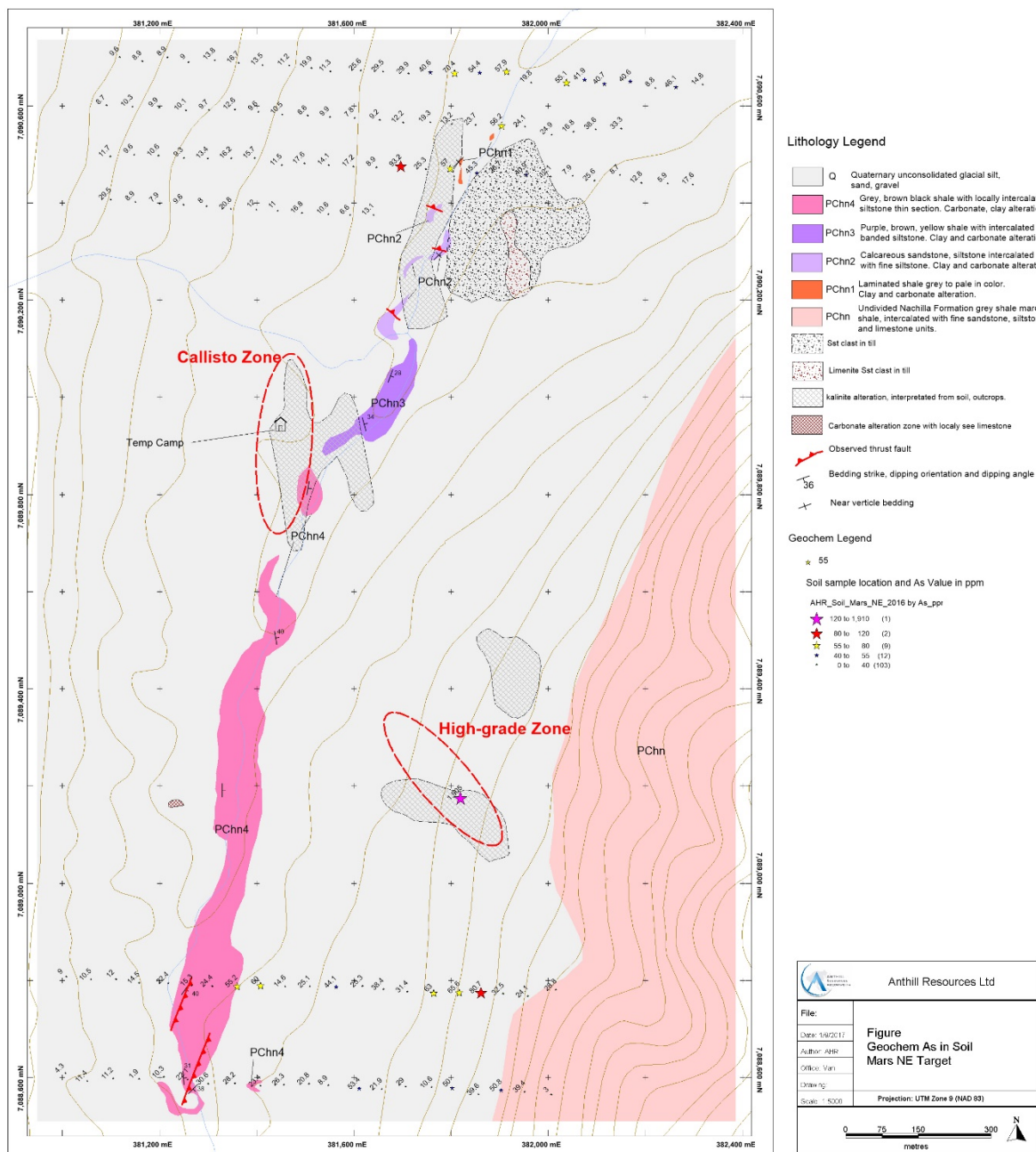


Figure 10, Mars NE zone Geochem As in soil

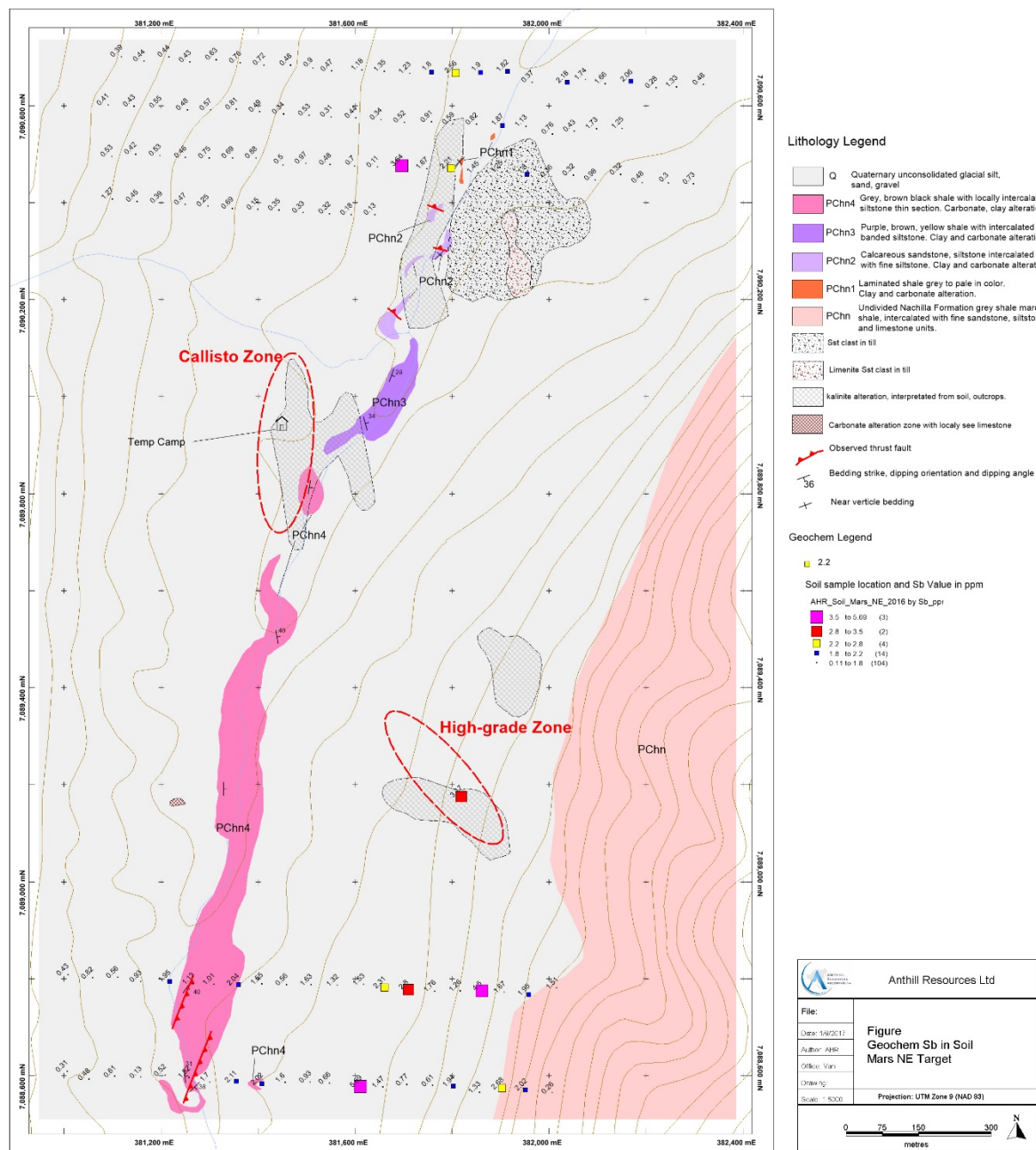


Figure 11, Mars NE zone Geochem Sb in soil

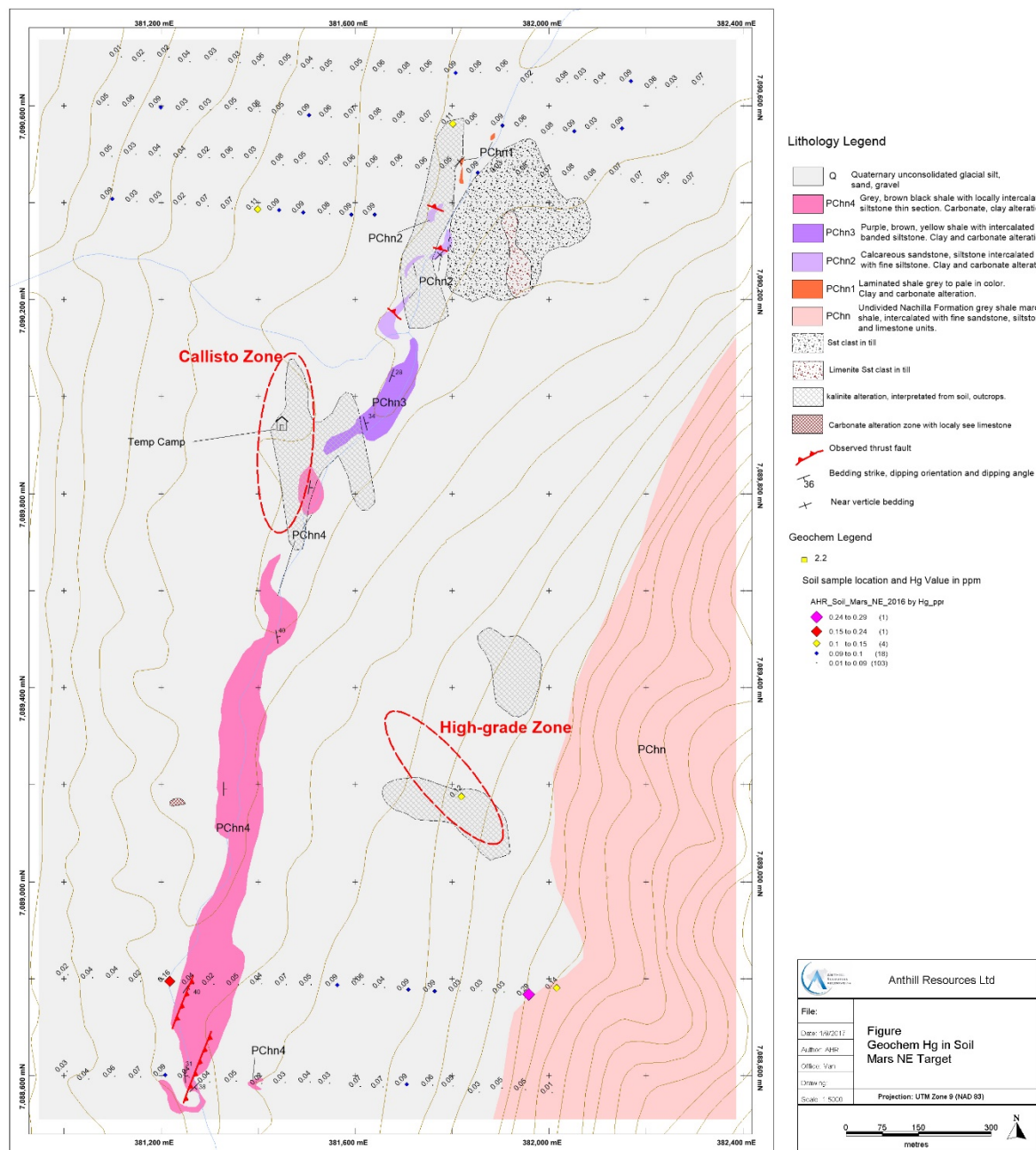


Figure 12, Mars NE zone Geochem Hg in soil

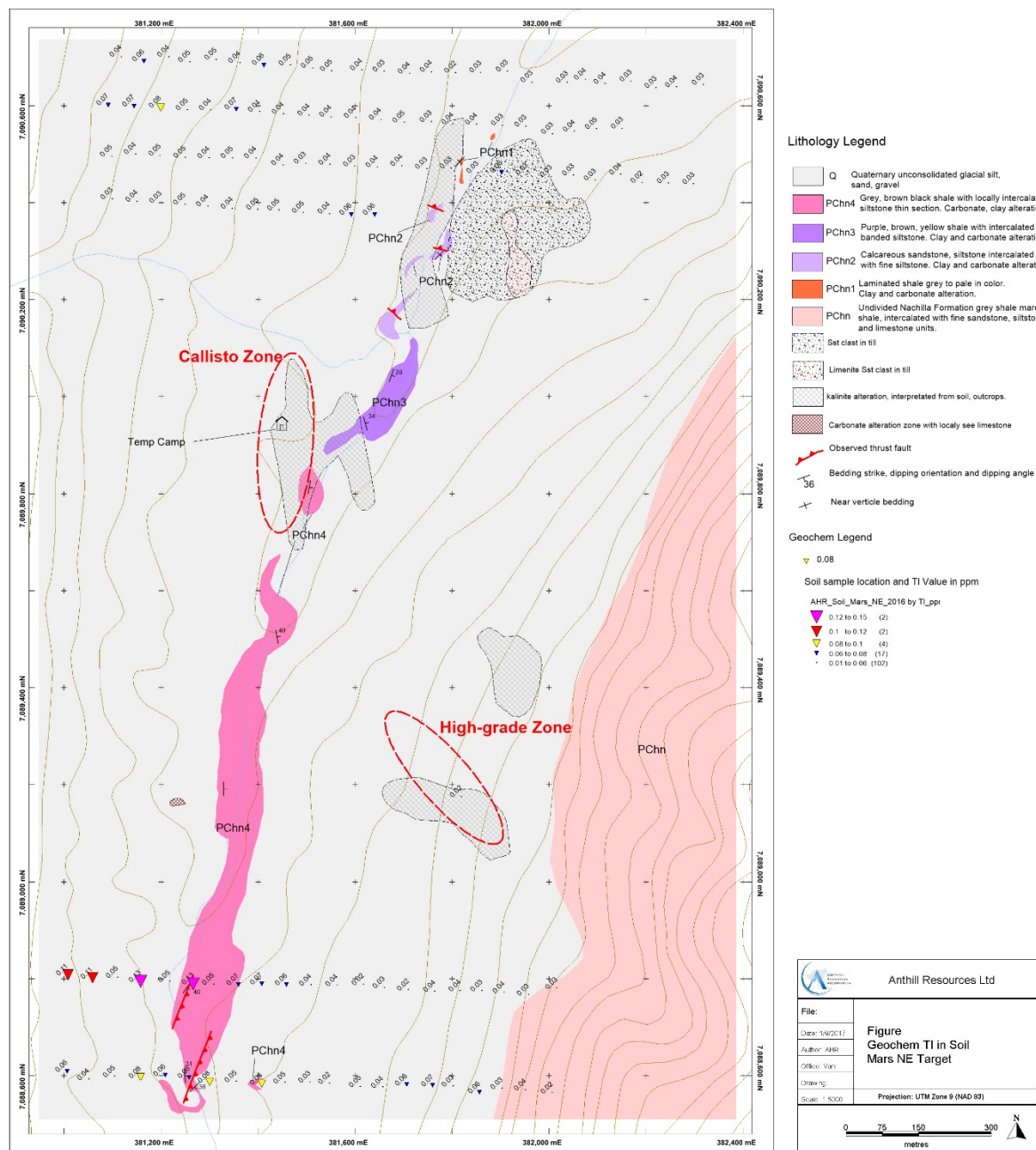


Figure 13, Mars NE zone Geochem TI in soil

Rock geochemistry

Total 27 rock samples and channel samples taken for prospecting and channel sampling programs in Mars NE zone this summer. These rock samples mainly taken from Callisto zone and High Grade zone. Just 4 samples taken from northern part in Mars NE zone. Channel samples from Callisto trench returned significant Au value in quartz vein floats bearing mineralized loose glacial sedimentary materials. Rock sample location map and spatial distribution of Au, Ag, As and Sb Value shown in Figure 14, 15, 16, 17 and 18.

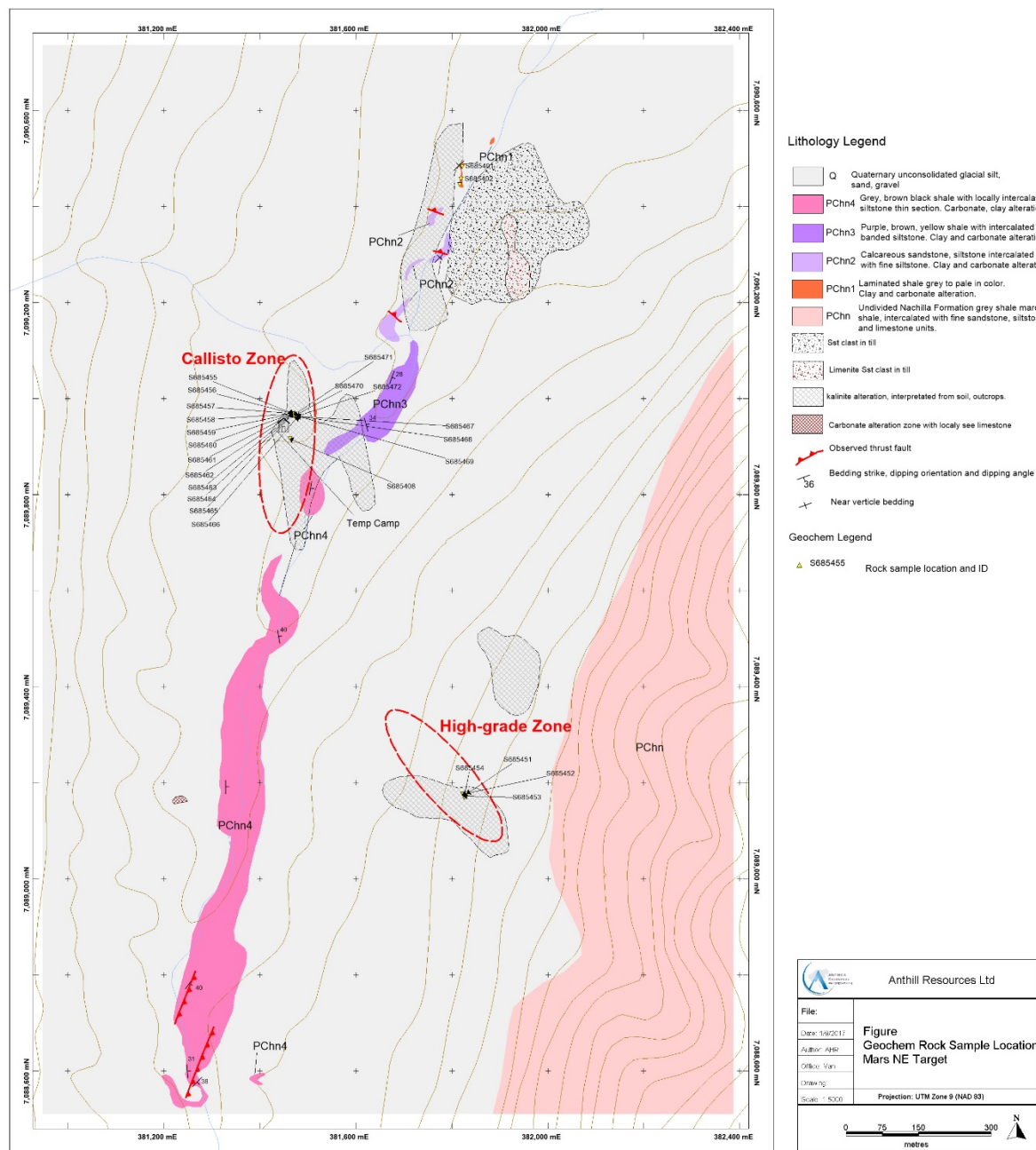


Figure 14, Rock sample location map, Mars NE zone

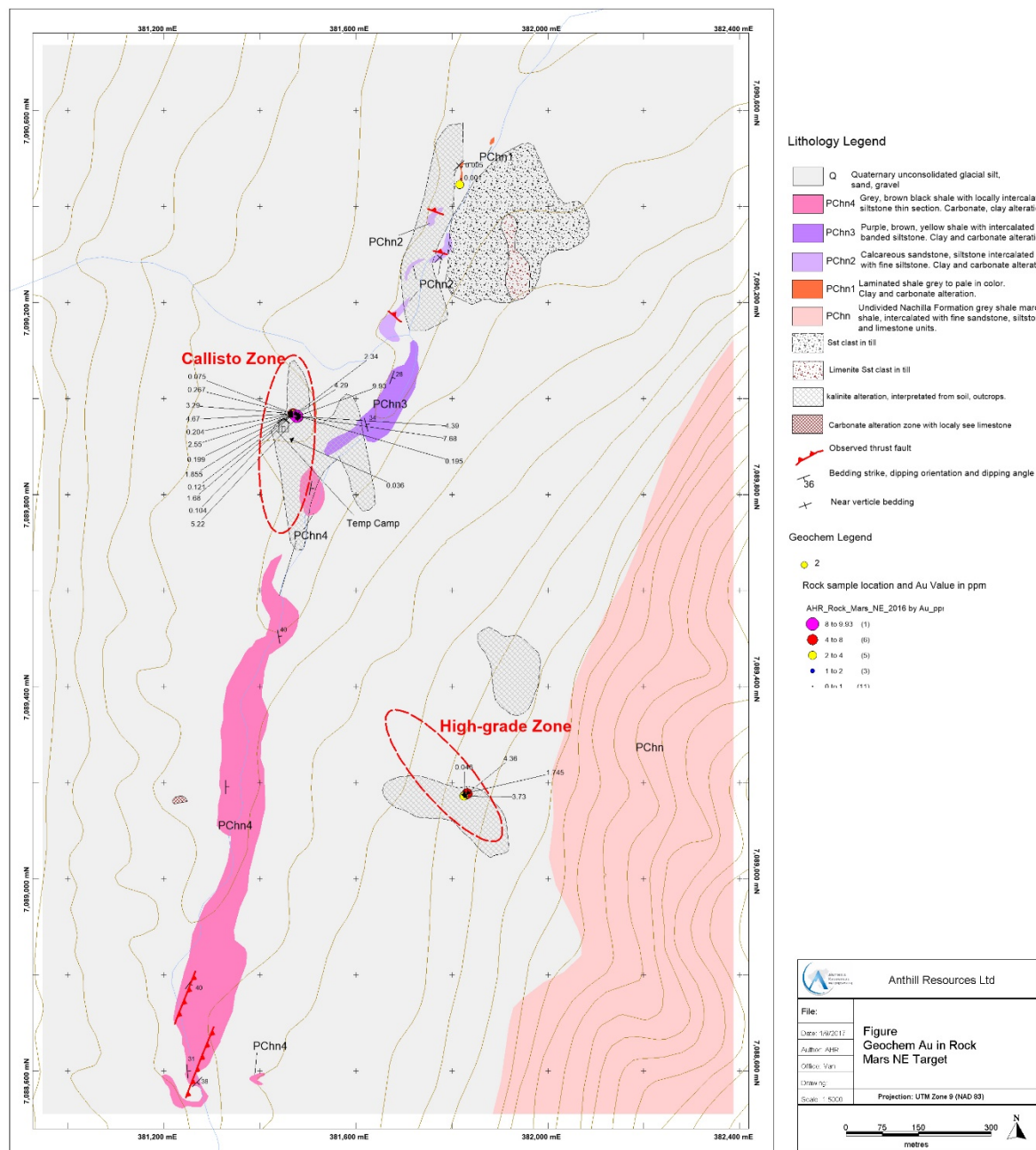


Figure 15, Mars NE zone Geochem Au in rock

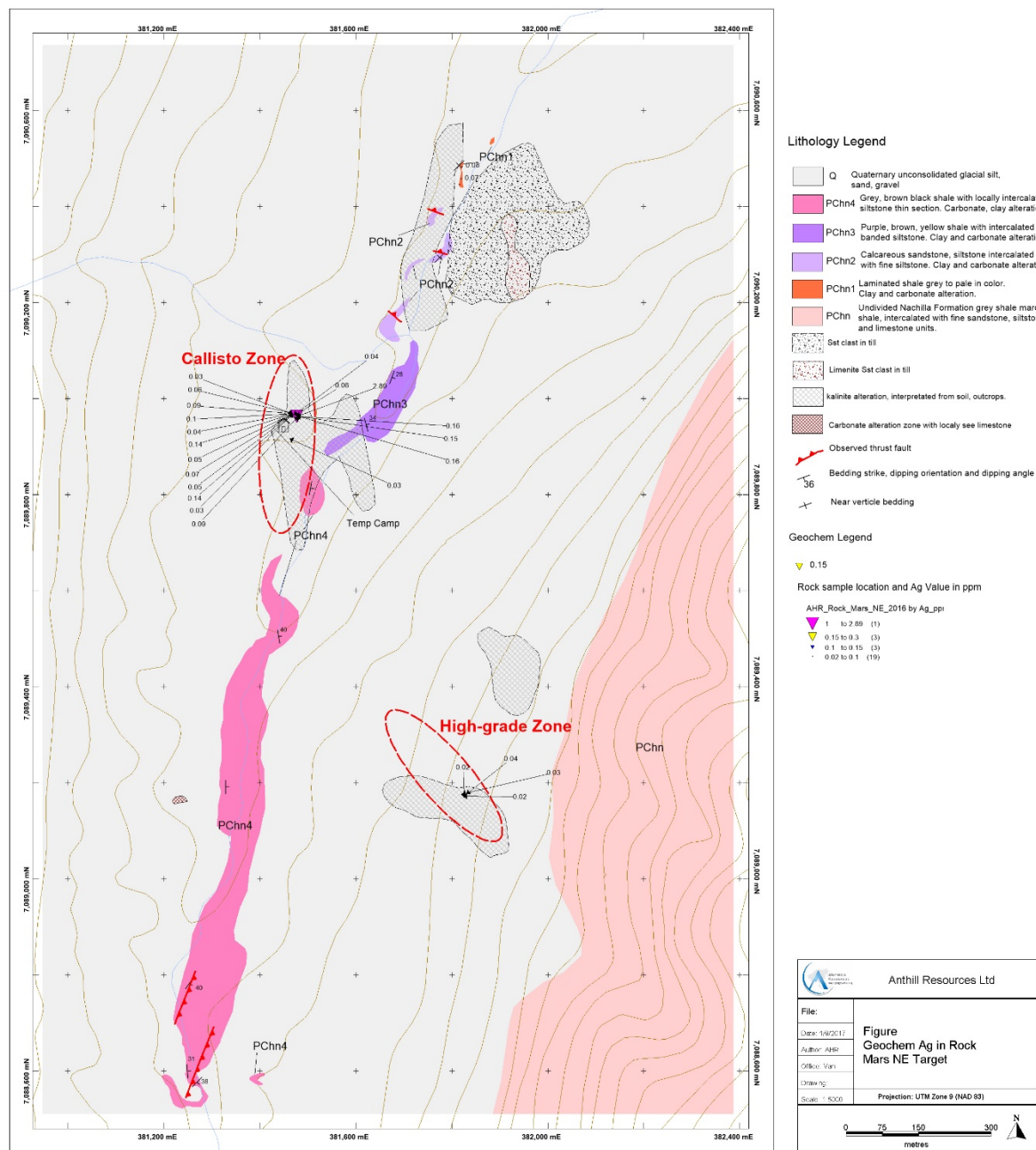


Figure 16, Mars NE zone Geochem Ag in rock

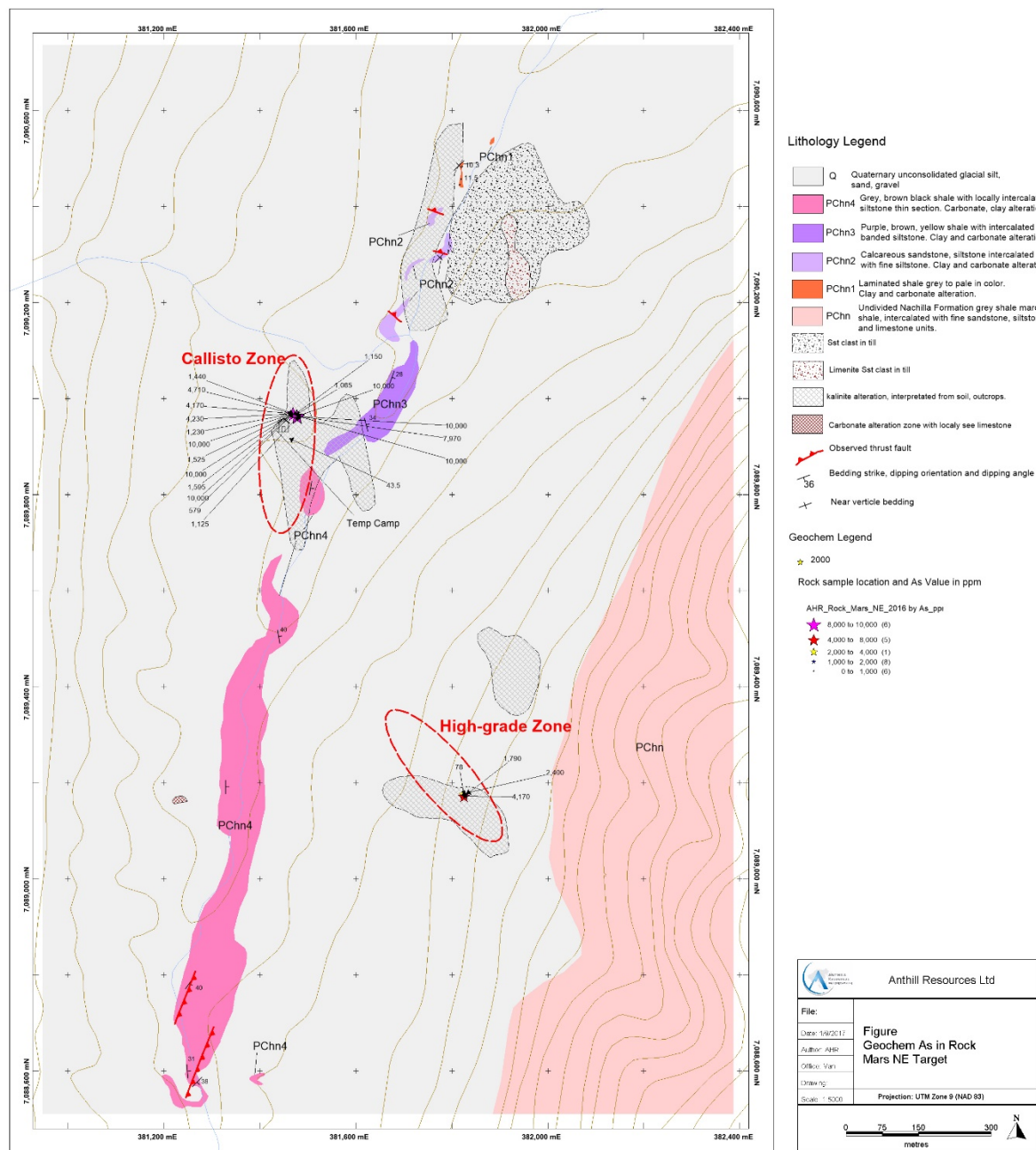


Figure 17, Mars NE zone Geochem As in rock

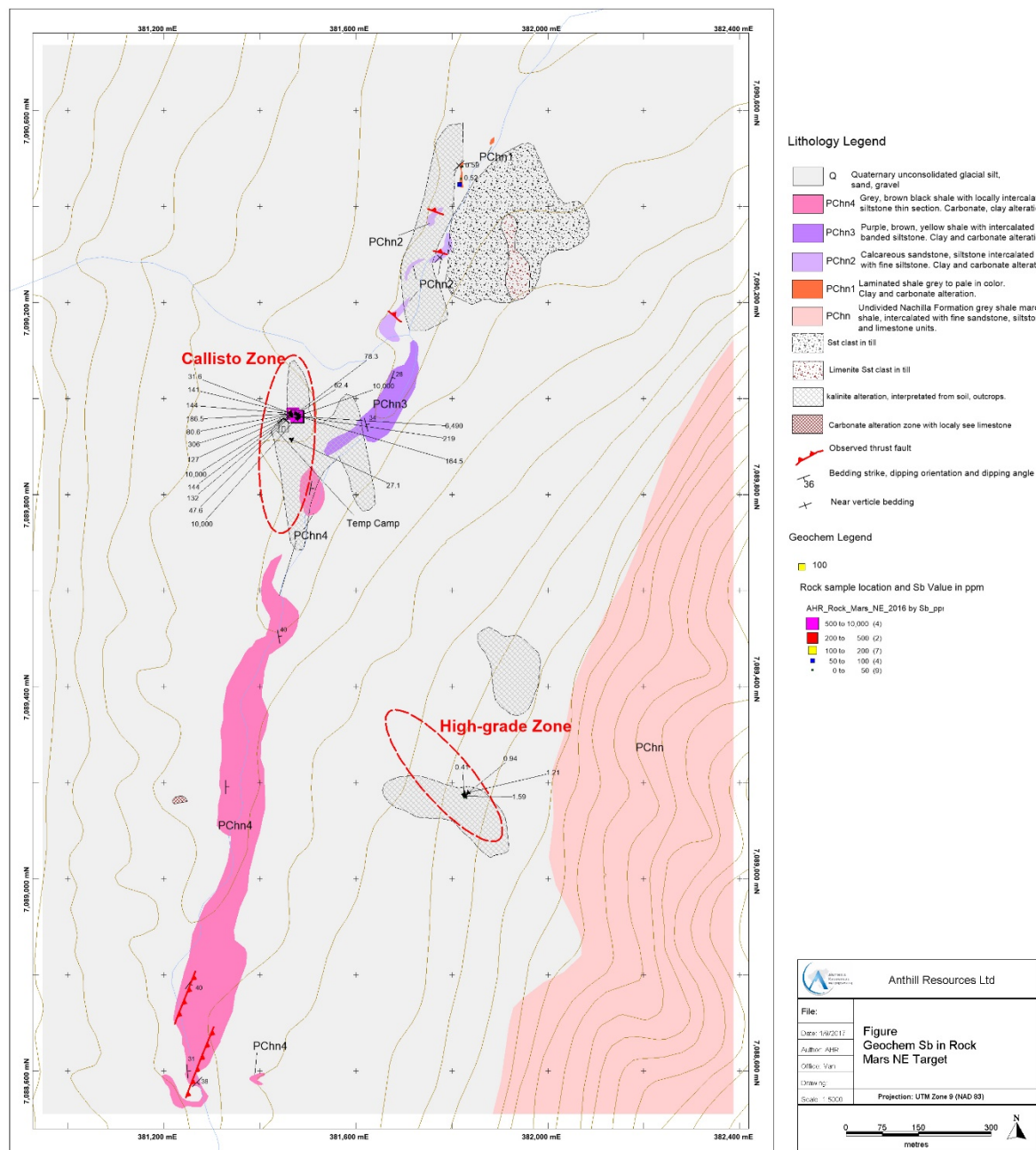


Figure 18, Mars NE zone Geochem Sb in rock

8.3.3 Target interpretation

Mars NE zone has strong potential to host one or more significant gold-bearing zones. Five more separate trends have been identified through soil sampling at Mars NE northern and southern portion areas, of which the trends are defined by weak anomalous Au, As, Sb and Hg. the least aerially extensive zone is Trend #4 (defined last year), the Callisto Zone, marked by numerous high gold values from rock

sampling. Trenching program at Callisto zone defined significant Au value in loose glacial materials in trench. All other trends including trending defined last year, other than the Callisto Zone occur along areas of gentle to moderate terrain, indicating the source areas are slightly upslope of the uppermost anomalous values.

Importantly, the area pervasively affected by glacial materials with variable thickness all over. In trench at Callisto zone, the Au mineralization is limited in quartz vein floats and loose shale materials are causatively the glacial till dominated materials. Yet, High Grade zone, the bed rock mineralization source is still unknown.

All anomalous gold values to date were obtained from sulphide-enriched, typically arsenical quartz vein material. To date, mineralized quartz veins comprise the exploration target setting at Mars Northeast. There is no evidence of intrusive activity in the area, or anywhere else on the Einarson property, indicating that intrusive-related gold is not the target model here. The deposit setting is likely that of orogenic gold, whereby auriferous hydrothermal fluids move along north-south to NNE – SSW trending dilatant fault zones and are emplaced as quartz veins within these zones. There may be a larger district scale crustal structure controlling local fault emplacement and subsequent fluid movement. Far to the southeast, the gold prospects on the 3-Ace property and many on the neighbouring Sprogge property are of orogenic origin; the system of deep-seated district to regional-scale faults may extend from this area to the Mars Northeast and Mars North areas.

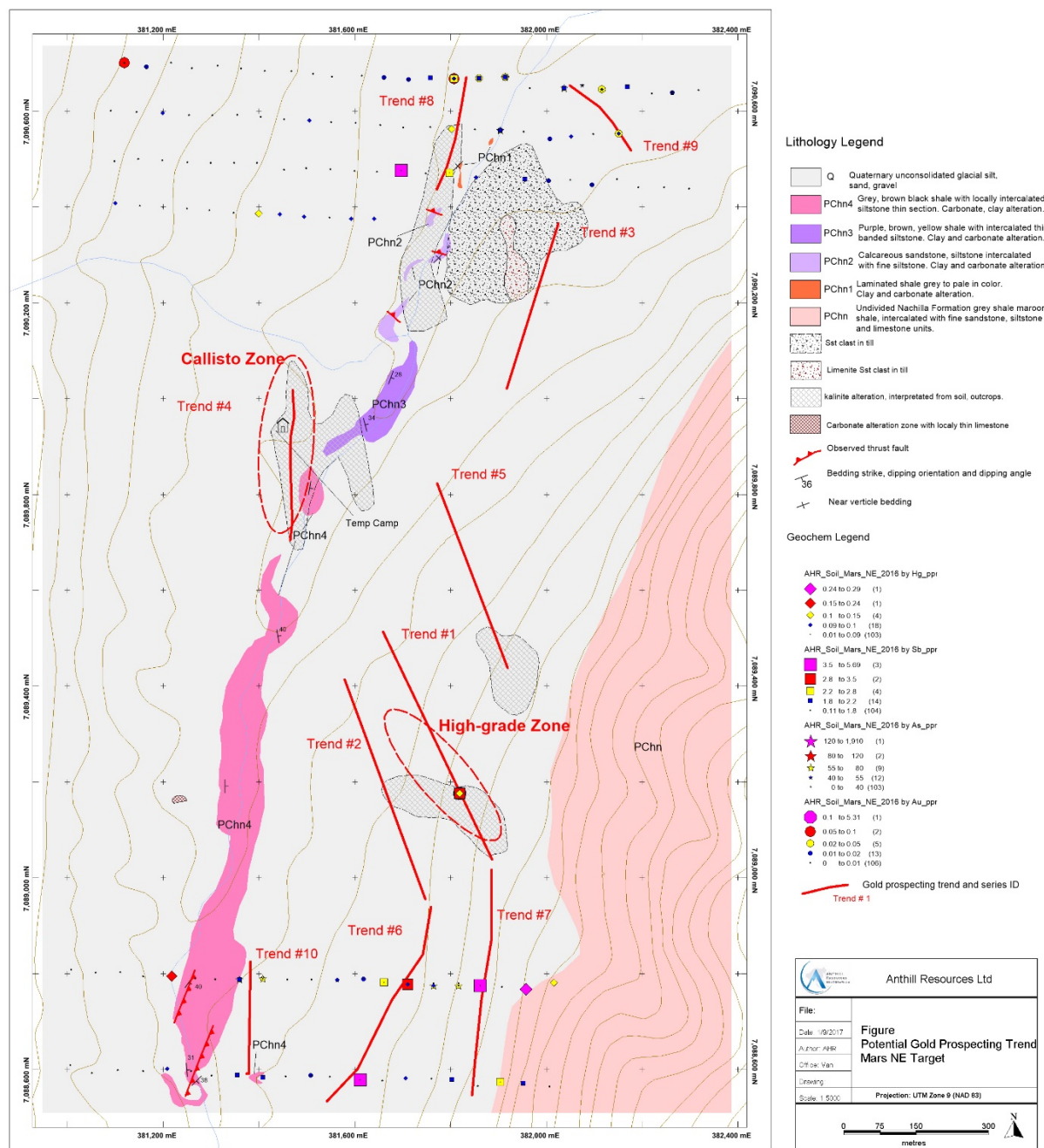


Figure 19, Mars NE zone anomalous Au, As, Sb, Hg in soil and prospecting trends

9.0 Sampling Preparation, Analyses and Security

The 2016 work program on the Mars Northeast area consisted of preliminary geological mapping, grid soil sampling, rock sampling and limited silt sampling across the anomalous area, which covers the floor of a wide glacial valley. The soil sampling consisted of extension of previously established grid lines to cover the entire valley floor, as well as establishment of infill lines, resulting in a 100-metre line spacing

and a 50-metre station spacing. The resultant grid covers an area of 1.5 km north-south by about 1.1 km east-west. A total of 16 rock, 127 soil and 11 channel samples were taken at this area. Hand dig trench 24 meters and 5 small test pits.

The Mars NE area is covered by “buckbrush” with subalpine timber along valley walls. The soil is well developed and clay-rich. The valley floor contains several small glacial drumlins, which likely provide deep overburden rendering soil results inconclusive at some locations. Soil samples were taken by 125 cm length hand auger, with an average depth of about 20 cm, to ensure penetration to the B or C horizons. Rock, soil and silt samples were described in detail, and matched with analytical results attached in Appendix A.

The campsite was located on a small barren knoll marked by strong carbonate alteration in local rubblecrop boulders. Fairly abundant quartz-rich rubblecrop boulders occur just east of the bare knoll, which may represent a “kill zone” prohibiting growth of buckbrush.

The 2016 program on the Mars North area consisted of geological and structural mapping and rock sampling. The program focused on areas marked by strong gold-in-soil anomalies from the 2013 program. This area is marked by a steep west-facing slope with poor to negligible soil development above 1,500 metres of elevation.

Assay methodology

All soil and rock samples were sent to ALS Yukon prelab, then the rock samples were processed

Samples were submitted to ALS Laboratories in Whitehorse, Yukon and North Vancouver, British Columbia for soil 30 g FA/AES gold plus 51 elements ME-MS41 geochemical analysis and rock 50 g ICP22 gold plus 51 elements ME-MS41 geochemical analysis. Sample location data, field description data and geochemical analytical data were uploaded into Anthill Resources database. All soil and rock sample assay result refer to appendix A

Sampling security

All sample program on rock and soil are supervised under professional geologist and experience senior geologist. Each samples are carefully collected and numbered. Field description of each samples are registered to computer and GPS position data area download each day securing the data security. Author of this assessment report consider all data collected this time is safe, secure and reliable for use.

10.0 Adjacent Properties

10.1 ATAC Resources - Rackla Project

Anthill Resources Einarson claim block is adjacent to the eastern edge of ATAC Resources Rackla Gold project. Anthill’s Venus gold prospect is located 30 km southeast of ATAC’s Conrad and Osiris, Carlin-type gold discoveries (Figure 2). All of the following description is modified from the ATAC Resources website as of December 31, 2015.

The Rackla Gold Project is located 55 km northeast of Keno City in Central Yukon and is 100% owned by ATAC Resources Ltd. with no underlying royalties. The project covers 1,700 sq. km and is situated between the regional-scale Dawson Thrust and Kathleen Lakes Fault in the Selwyn Basin tectonic province.

The Rackla Gold Project was a grassroots discovery made by ATAC in 2006 and since then, the Company has acquired over 160 km of favorable structure and stratigraphy through staking. Exploration was initially focused along a 15 km ridge system, called the Rau Trend, where more than a dozen gold and/or silver exploration targets have been identified. Detailed work has been centered on the Tiger Zone, which has received 132 diamond drill holes totaling 25,900 meters from 2008-2010. In 2010, exploration efforts focused along the Nadaleen Trend where five areas of significant Carlin-Type gold mineralization have been outlined by surface sampling and 65,598 + m of diamond drilling along a 50 km east-west trend. No resources estimates are available for the Nadaleen Trend gold mineralized zones.

The 2013 Nadaleen Trend exploration program continued to expand gold mineralization at in the Osiris zone and suggests continuity of the Osiris Zone with the Sunrise Zone to the west. It also identified several new zones surrounding the Anubis discovery area.

The 2015 news release new Carlin Type gold mineralization discoveries along Anubis Zone. One Rab drill at Orion target returned 3.79g/t gold over 47.24 m, also this drill bottomed in gold mineralization with the last interval grading 2.56 g/t gold over 1.52 m.

The NAD project is located immediately east of Anthill Resources Venus target area (Strategic Metals Ltd., 2013). Grid soil sampling returned values to 90 ppb Au and 2,990 ppm As from carbonate stratigraphy that extends onto the Anthill Resource claims. Orpiment-realgar showings are reported and a proposed 2013 drilling program was not undertaken and the prospect remains untested.

10.2 18526 Yukon, Inc.

18526 Yukon, Inc. is a private company owned by local Whitehorse, Yukon prospectors Ron and Scott Berdahl. Anthill Resources optioned ~95% of the claims in the Einarson Project from 18526 Yukon and Mr. Ron Berdahl. The company controls two large claims blocks adjacent to the project. One block covers the southeast extension of the B Zone target area and the other covers prospective ground between the Mars and F2 target areas along the Einarson Creek drainage. There is no published data from their data, but an orpiment/realgar showing is reported west of Einarson Creek near the F2 target area.

11.0 Conclusion and recommendations

- Hand trench work at Mars NE zone is not efficient tool for explore the surface geochemistry anomaly to causative bed rock mineralization sources. Mechanical excavator or RAB drill might be suggested.
- Callisto zone and High Grade zone are covered by variable thickness of glacial materials. Au mineralization observed so far mainly from loose materials from glacial sediment. The historical glacial trail study may helpful to trace back the sources that the Au mineralization quartz floats may come from.

- Callisto zone and High grade zone in the Mars NE zone warrants considerable further exploration, explore the loose glacial materials, including testing by RAB drill before diamond drilling.
- The small hill to the south also warrants further geological mapping, rock sampling and grid soil sampling.
- Further in situ geology, mineralization, alteration and structure investigation needed for further understand for IP anomalies last year.

12.0 Expenditures

Table 3 2016 - Mars Northeast Project - Exploration - Financial Statement
Anthill Resources (Yukon) Ltd.

Vendor	Category	Inv Date	Inv Number	Description	Amount	Total
Air Travel within Yukon						
Black Sheep Aviation	float plane	7/19/2016	INV6819	geophysics survey crew & gear mob in	\$2,926.00	
Black Sheep Aviation	float plane	7/24/2016	INV6820	geophysics survey crew & gear mob in	\$2,926.00	
Horizon Helicopters	helicopter	7/19/2016	INV635	geophysics crew helicopter	\$12,542.85	
					sub-total	\$18,394.85
Assay						
ALS Minerals	assay	8/20/2016	INV3399214	soil sample assay	\$2,853.81	
ALS Minerals	assay	8/21/2016	INV3399254	rock sample assay	\$1,456.66	
					sub-total	\$4,310.47
Wages						
Mammoth Exploration	senior geologies	7/27/2016	INV1604	senior geologist July18-24	\$2,400.00	
Shane Carlos& Luke Carlos	geologist	9/13/2016	INV13-09-2016	geologist July18-24 wages	\$4,833.33	
Wanjin Yang	geologist	7/30/2016	INVjulypayroll	geologist July18-28wages	\$5,000.00	
					sub-total	\$12,233.33
Generator						
Scott Berdahl	generator	8/10/2016	ANT30/07/2016	July18-24 generator rental	\$60.00 sub-t	\$60.00
Expense (4 persons)						
Wanjin,Shane,Luke,Sean	food	7/18/2016	ANT30/07/2016	crew meals	\$20.14	
Wanjin,Shane,Luke,Sean	food	7/19/2016	ANT30/07/2016	crew meals	\$26.60	
Wanjin,Shane,Luke,Sean	food	7/19/2016	ANT30/07/2016	crew meals	\$23.00	
Wanjin,Shane,Luke,Sean	food	7/24/2016	ANT30/07/2016	crew meals	\$51.20	
Wanjin,Shane,Luke,Sean	meal	7/24/2016	ANT30/07/2016	crew meals	\$201.41	
Other Daily Expense	except food	7/30/2016	ANT30/07/2016	July 18-24 camp costs, packs, sampling equipm	\$1,920.00	
					sub-total	\$2,242.35
Truck within Yukon						
Scott Berdahl	mileage	7/30/2016	ANT30/07/2016	July 18, 2015 truck mileage	\$300.00	
Scott Berdahl	mileage	7/30/2016	ANT30/07/2016	July 24, 2015 truck mileage	\$300.00 sub-total	
						\$600.00
Report						
Wanjin Yang	day	9/1/2016	INVaug.payroll	\$500/day for 8 days proposal and final report	\$5,000.00	
					sub-total	\$5,000.00
	Total					\$42,841.00

Anthill Resources Yukon Ltd has contributed the full exploration program with expenditure sum up to \$42841.0. The expenditure details refer to table 3. The assessment report is compiled by Mr. Wanjin Yang who is an employee of Anthill Resources Yukon Ltd. He has read “Quartz Mining Act” and

13.0 References

Yukon YMEP 2016--Yukon Mineral Exploration Program

<http://www.geology.gov.yk.ca/ymep.html>

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14.0 Authors Statement of Qualifications

Statement of qualifications, Wan Jin Yang B Sc in Geology

I, Wan Jin Yang, B. Sc. in Geology, an employee of Anthill Resources Ltd. Resident at 1383 Lynn Valley Rd. North Vancouver BC, do hereby certify that:

- I have worked primarily in geochemistry, geology survey, mineral exploration, mining, geological service in China, Yukon and British Columbia since 1990.
- I am a registered Senior Geologist in China mining association system and a candidate for registration membership of Association of Professional Geoscientists of British Columbia with ID 164672.
- I graduated with the degree of Bachelor of Science in Geology from China University of Geoscience, 1990. I have ten years of exploration geochemistry, mineral exploration experience in China government geology, geochemical survey system and more than twelve years of commercial mineral exploration experience at Canadian mining and mineral exploration companies.
- I have upgraded my knowledge in geoscience and mineral exploration technology by domestic and international short study tours and widely involving in mineral exploration since I graduated from university.
- I have read and understand of the definitions of YMEP Guidebook, YMEP Application Form, Assessment Criteria for 2016, YMEP Project Status Report, YMEP Guidelines for Rentals/Other rates and Expense Claims Form documents for this target evaluation Funding application and related field work, and YMEP 16-046 target Evaluation Hard Rock Schedule A and Schedule B.



Wan Jin Yang
Bachelor Science in Geology
Dated this 10th day of January 2017

See Data Folder for Secured Assay Certificates

ID	GRANT_NU	LE TENURE	REGULATI	STATUS	LABEL	CLAIM_N	CLAIM_No	OWNER	STAKE_DA	RECORDEC	EXPIRY_DA	DISTRICT	Area
4.65E+08	YD05116	Quartz	Q	Active	Pi 32	Pi	32	18526 Yuk	20110117	20110126	20220126	Mayo	0.201219
4.65E+08	YD05358	Quartz	Q	Active	Q 240	Q	240	18526 Yuk	20110304	20110316	20220316	Mayo	0.201221
4.65E+08	YD05161	Quartz	Q	Active	Q 145	Q	145	18526 Yuk	20110129	20110225	20220225	Mayo	0.182657
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4.65E+08	YD152630	Quartz	Q	Active	Q 310	Q	310	18526 Yuk	20110304	20110316	20220316	Mayo	0.204444
4.65E+08	YD152629	Quartz	Q	Active	Q 309	Q	309	18526 Yuk	20110304	20110316	20220316	Mayo	0.204444
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4.65E+08	YD152653	Quartz	Q	Active	Q 333	Q	333	18526 Yuk	20110304	20110316	20220316	Mayo	0.204436
4.65E+08	YD05307	Quartz	Q	Active	Q 189	Q	189	18526 Yuk	20110305	20110316	20220316	Mayo	0.201217
4.65E+08	YD32893	Quartz	Q	Active	Pi 10	Pi	10	18526 Yuk	20100911	20100927	20180927	Mayo	0.201223
4.65E+08	YD152514	Quartz	Q	Active	Q 394	Q	394	18526 Yuk	20110304	20110321	20220321	Mayo	0.204445
4.65E+08	YD05381	Quartz	Q	Active	Q 263	Q	263	18526 Yuk	20110304	20110316	20220316	Mayo	0.201221
4.65E+08	YD152596	Quartz	Q	Active	Q 476	Q	476	18526 Yuk	20110203	20110225	20220225	Mayo	0.204441
4.65E+08	YD152606	Quartz	Q	Active	Q 286	Q	286	18526 Yuk	20110203	20110225	20220225	Mayo	0.201215
4.65E+08	YD152658	Quartz	Q	Active	Q 338	Q	338	18526 Yuk	20110304	20110316	20220316	Mayo	0.204435
4.65E+08	YD152735	Quartz	Q	Active	Q 515	Q	515	18526 Yuk	20110203	20110225	20220225	Mayo	0.204436
4.65E+08	YD152517	Quartz	Q	Active	Q 397	Q	397	18526 Yuk	20110304	20110321	20220321	Mayo	0.204438
4.65E+08	YD152645	Quartz	Q	Active	Q 325	Q	325	18526 Yuk	20110304	20110316	20220316	Mayo	0.204439
4.65E+08	YD05185	Quartz	Q	Active	Q 167	Q	167	18526 Yuk	20110305	20110316	20220316	Mayo	0.201224
4.65E+08	YD05163	Quartz	Q	Active	Q 147	Q	147	18526 Yuk	20110129	20110225	20220225	Mayo	0.182659

4.65E+08 YD152566	Quartz	Q	Active	Q 446	Q	446	18526 Yuk	20110304	20110316	20220316	Mayo	0.20444
4.65E+08 YD152625	Quartz	Q	Active	Q 305	Q	305	18526 Yuk	20110304	20110316	20220316	Mayo	0.204438
4.65E+08 YD05008	Quartz	Q	Active	Q 16	Q	16	18526 Yuk	20110129	20110225	20220225	Mayo	0.204434
4.65E+08 YD04908	Quartz	Q	Active	PA 32	PA	32	18526 Yuk	20110304	20110321	20220321	Mayo	0.07032
4.65E+08 YD04730	Quartz	Q	Active	N 78	N	78	18526 Yuk	20110117	20110126	20220126	Mayo	0.204437
4.65E+08 YD05047	Quartz	Q	Active	Q 55	Q	55	18526 Yuk	20110202	20110225	20220225	Mayo	0.204435
4.65E+08 YD05386	Quartz	Q	Active	Q 268	Q	268	18526 Yuk	20110304	20110316	20220316	Mayo	0.201222
4.65E+08 YD152533	Quartz	Q	Active	Q 413	Q	413	18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.65E+08 YD05132	Quartz	Q	Active	Q 116	Q	116	18526 Yuk	20110305	20110316	20220316	Mayo	0.201217
4.65E+08 YD05375	Quartz	Q	Active	Q 257	Q	257	18526 Yuk	20110304	20110316	20220316	Mayo	0.20122
4.65E+08 YD152569	Quartz	Q	Active	Q 449	Q	449	18526 Yuk	20110304	20110316	20220316	Mayo	0.204436
4.65E+08 YD152570	Quartz	Q	Active	Q 450	Q	450	18526 Yuk	20110304	20110316	20220316	Mayo	0.204439
4.65E+08 YD05315	Quartz	Q	Active	Q 197	Q	197	18526 Yuk	20110305	20110316	20220316	Mayo	0.201217
4.65E+08 YD152744	Quartz	Q	Active	Q 524	Q	524	18526 Yuk	20110203	20110225	20220225	Mayo	0.204435
4.65E+08 YD04752	Quartz	Q	Active	N 100	N	100	18526 Yuk	20110117	20110126	20220126	Mayo	0.204436
4.65E+08 YD152631	Quartz	Q	Active	Q 311	Q	311	18526 Yuk	20110304	20110316	20220316	Mayo	0.20444
4.65E+08 YD152612	Quartz	Q	Active	Q 292	Q	292	18526 Yuk	20110304	20110316	20220316	Mayo	0.204442
4.65E+08 YD152674	Quartz	Q	Active	Q 354	Q	354	18526 Yuk	20110203	20110225	20220225	Mayo	0.204434
4.65E+08 YD05184	Quartz	Q	Active	Q 166	Q	166	18526 Yuk	20110305	20110316	20220316	Mayo	0.201222
4.65E+08 YD152562	Quartz	Q	Active	Q 442	Q	442	18526 Yuk	20110304	20110316	20220316	Mayo	0.20444
4.65E+08 YD04755	Quartz	Q	Active	N 103	N	103	18526 Yuk	20110117	20110126	20220126	Mayo	0.204437
4.65E+08 YD152673	Quartz	Q	Active	Q 353	Q	353	18526 Yuk	20110203	20110225	20220225	Mayo	0.204437
4.65E+08 YD04902	Quartz	Q	Active	PA 26	PA	26	18526 Yuk	20110304	20110321	20220321	Mayo	0.201814
4.65E+08 YD05002	Quartz	Q	Active	Q 10	Q	10	18526 Yuk	20110202	20110225	20220225	Mayo	0.204437
4.65E+08 YD152670	Quartz	Q	Active	Q 350	Q	350	18526 Yuk	20110203	20110225	20220225	Mayo	0.204434
4.65E+08 YD152669	Quartz	Q	Active	Q 349	Q	349	18526 Yuk	20110203	20110225	20220225	Mayo	0.204437
4.65E+08 YD05195	Quartz	Q	Active	Q 177	Q	177	18526 Yuk	20110305	20110316	20220316	Mayo	0.201221
4.65E+08 YD152717	Quartz	Q	Active	Q 497	Q	497	18526 Yuk	20110203	20110225	20220225	Mayo	0.204443
4.65E+08 YD152651	Quartz	Q	Active	Q 331	Q	331	18526 Yuk	20110304	20110316	20220316	Mayo	0.204442
4.65E+08 YD04768	Quartz	Q	Active	N 116	N	116	18526 Yuk	20110117	20110126	20220126	Mayo	0.20444
4.65E+08 YD04744	Quartz	Q	Active	N 92	N	92	18526 Yuk	20110117	20110126	20220126	Mayo	0.204434
4.65E+08 YD05364	Quartz	Q	Active	Q 246	Q	246	18526 Yuk	20110304	20110316	20220316	Mayo	0.201224
4.65E+08 YD152580	Quartz	Q	Active	Q 460	Q	460	18526 Yuk	20110203	20110225	20220225	Mayo	0.204436
4.65E+08 YD152579	Quartz	Q	Active	Q 459	Q	459	18526 Yuk	20110203	20110225	20220225	Mayo	0.204439

4.65E+08 YD152734	Quartz	Q	Active	Q 514	Q	514	18526 Yuk	20110203	20110225	20220225	Mayo	0.204436
4.65E+08 YD04754	Quartz	Q	Active	N 102	N	102	18526 Yuk	20110117	20110126	20220126	Mayo	0.204436
4.65E+08 YD05357	Quartz	Q	Active	Q 239	Q	239	18526 Yuk	20110304	20110316	20220316	Mayo	0.201219
4.65E+08 YD152708	Quartz	Q	Active	Q 488	Q	488	18526 Yuk	20110203	20110225	20220225	Mayo	0.204444
4.65E+08 YD152698	Quartz	Q	Active	Q 378	Q	378	18526 Yuk	20110304	20110321	20220321	Mayo	0.204437
4.65E+08 YD05145	Quartz	Q	Active	Q 129	Q	129	18526 Yuk	20110129	20110225	20220225	Mayo	0.182659
4.65E+08 YD05126	Quartz	Q	Active	Q 110	Q	110	18526 Yuk	20110305	20110316	20220316	Mayo	0.201221
4.65E+08 YD05334	Quartz	Q	Active	Q 216	Q	216	18526 Yuk	20110202	20110225	20220225	Mayo	0.201218
4.65E+08 YD05038	Quartz	Q	Active	Q 46	Q	46	18526 Yuk	20110202	20110225	20220225	Mayo	0.204438
4.65E+08 YD05156	Quartz	Q	Active	Q 140	Q	140	18526 Yuk	20110129	20110225	20220225	Mayo	0.201219
4.65E+08 YD04688	Quartz	Q	Active	PA 16	PA	16	18526 Yuk	20110304	20110321	20220321	Mayo	0.20122
4.65E+08 YD05352	Quartz	Q	Active	Q 234	Q	234	18526 Yuk	20110304	20110316	20220316	Mayo	0.201219
4.65E+08 YD05091	Quartz	Q	Active	Q 97	Q	97	18526 Yuk	20110305	20110316	20220316	Mayo	0.182666
4.65E+08 YD05101	Quartz	Q	Active	Pi 17	Pi	17	18526 Yuk	20110117	20110126	20220126	Mayo	0.201216
4.65E+08 YD05312	Quartz	Q	Active	Q 194	Q	194	18526 Yuk	20110305	20110316	20220316	Mayo	0.201217
4.65E+08 YD152524	Quartz	Q	Active	Q 404	Q	404	18526 Yuk	20110203	20110225	20220225	Mayo	0.204444
4.65E+08 YD82401	Quartz	Q	Active	lo 101	lo	101	18526 Yuk	20110409	20110426	20220426	Mayo	0.210872
4.65E+08 YD152644	Quartz	Q	Active	Q 324	Q	324	18526 Yuk	20110304	20110316	20220316	Mayo	0.204436
4.65E+08 YD05039	Quartz	Q	Active	Q 47	Q	47	18526 Yuk	20110202	20110225	20220225	Mayo	0.204439
4.65E+08 YD05040	Quartz	Q	Active	Q 48	Q	48	18526 Yuk	20110202	20110225	20220225	Mayo	0.204434
4.65E+08 YD05054	Quartz	Q	Active	Q 60	Q	60	18526 Yuk	20110202	20110225	20220225	Mayo	0.204441
4.65E+08 YD152731	Quartz	Q	Active	Q 511	Q	511	18526 Yuk	20110203	20110225	20220225	Mayo	0.204439
4.65E+08 YD152618	Quartz	Q	Active	Q 298	Q	298	18526 Yuk	20110304	20110316	20220316	Mayo	0.204438
4.65E+08 YD152550	Quartz	Q	Active	Q 430	Q	430	18526 Yuk	20110304	20110316	20220316	Mayo	0.204441
4.65E+08 YD152549	Quartz	Q	Active	Q 429	Q	429	18526 Yuk	20110304	20110316	20220316	Mayo	0.204438
4.65E+08 YD04690	Quartz	Q	Active	PA 18	PA	18	18526 Yuk	20110304	20110321	20220321	Mayo	0.20122
4.65E+08 YD04689	Quartz	Q	Active	PA 17	PA	17	18526 Yuk	20110304	20110321	20220321	Mayo	0.200891
4.65E+08 YD05320	Quartz	Q	Active	Q 202	Q	202	18526 Yuk	20110305	20110316	20220316	Mayo	0.201222
4.65E+08 YD05319	Quartz	Q	Active	Q 201	Q	201	18526 Yuk	20110305	20110316	20220316	Mayo	0.201221
4.65E+08 YD152581	Quartz	Q	Active	Q 461	Q	461	18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.65E+08 YD05394	Quartz	Q	Active	Q 276	Q	276	18526 Yuk	20110203	20110225	20220225	Mayo	0.201216
4.65E+08 YD04678	Quartz	Q	Active	PA 6	PA	6	18526 Yuk	20110304	20110321	20220321	Mayo	0.201097
4.65E+08 YD05175	Quartz	Q	Active	Q 157	Q	157	18526 Yuk	20110305	20110316	20220316	Mayo	0.201222
4.65E+08 YD152542	Quartz	Q	Active	Q 422	Q	422	18526 Yuk	20110304	20110316	20220316	Mayo	0.204439

4.65E+08 YD05004	Quartz	Q	Active	Q 12	Q	12	18526 Yuk	20110202	20110225	20220225	Mayo	0.204437
4.65E+08 YD04904	Quartz	Q	Active	PA 28	PA	28	18526 Yuk	20110304	20110321	20220321	Mayo	0.201223
4.65E+08 YD05327	Quartz	Q	Active	Q 209	Q	209	18526 Yuk	20110305	20110316	20220316	Mayo	0.201219
4.65E+08 YD05395	Quartz	Q	Active	Q 277	Q	277	18526 Yuk	20110203	20110225	20220225	Mayo	0.201218
4.65E+08 YD152743	Quartz	Q	Active	Q 523	Q	523	18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.65E+08 YD152681	Quartz	Q	Active	Q 361	Q	361	18526 Yuk	20110304	20110321	20220321	Mayo	0.204442
4.65E+08 YD05128	Quartz	Q	Active	Q 112	Q	112	18526 Yuk	20110305	20110316	20220316	Mayo	0.201224
4.65E+08 YD05134	Quartz	Q	Active	Q 118	Q	118	18526 Yuk	20110305	20110316	20220316	Mayo	0.20122
4.65E+08 YD152687	Quartz	Q	Active	Q 367	Q	367	18526 Yuk	20110304	20110321	20220321	Mayo	0.204438
4.65E+08 YD05085	Quartz	Q	Active	Q 91	Q	91	18526 Yuk	20110305	20110316	20220316	Mayo	0.182661
4.65E+08 YD04685	Quartz	Q	Active	PA 13	PA	13	18526 Yuk	20110304	20110321	20220321	Mayo	0.201542
4.65E+08 YD152577	Quartz	Q	Active	Q 457	Q	457	18526 Yuk	20110203	20110225	20220225	Mayo	0.204439
4.65E+08 YD152521	Quartz	Q	Active	Q 401	Q	401	18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.65E+08 YD05157	Quartz	Q	Active	Q 141	Q	141	18526 Yuk	20110129	20110225	20220225	Mayo	0.182657
4.65E+08 YD152721	Quartz	Q	Active	Q 501	Q	501	18526 Yuk	20110203	20110225	20220225	Mayo	0.20444
4.65E+08 YD05377	Quartz	Q	Active	Q 259	Q	259	18526 Yuk	20110304	20110316	20220316	Mayo	0.201217
4.65E+08 YD152655	Quartz	Q	Active	Q 335	Q	335	18526 Yuk	20110304	20110316	20220316	Mayo	0.204438
4.65E+08 YD152547	Quartz	Q	Active	Q 427	Q	427	18526 Yuk	20110304	20110316	20220316	Mayo	0.204438
4.65E+08 YD04691	Quartz	Q	Active	PA 19	PA	19	18526 Yuk	20110304	20110321	20220321	Mayo	0.201218
4.65E+08 YD05127	Quartz	Q	Active	Q 111	Q	111	18526 Yuk	20110305	20110316	20220316	Mayo	0.182657
4.65E+08 YD05303	Quartz	Q	Active	Q 185	Q	185	18526 Yuk	20110305	20110316	20220316	Mayo	0.201221
4.65E+08 YD152605	Quartz	Q	Active	Q 285	Q	285	18526 Yuk	20110203	20110225	20220225	Mayo	0.201215
4.65E+08 YD152595	Quartz	Q	Active	Q 475	Q	475	18526 Yuk	20110203	20110225	20220225	Mayo	0.204441
4.65E+08 YD152684	Quartz	Q	Active	Q 364	Q	364	18526 Yuk	20110304	20110321	20220321	Mayo	0.204441
4.65E+08 YD05166	Quartz	Q	Active	Q 150	Q	150	18526 Yuk	20110129	20110225	20220225	Mayo	0.201215
4.65E+08 YD04747	Quartz	Q	Active	N 95	N	95	18526 Yuk	20110117	20110126	20220126	Mayo	0.204441
4.65E+08 YD05133	Quartz	Q	Active	Q 117	Q	117	18526 Yuk	20110305	20110316	20220316	Mayo	0.182665
4.65E+08 YD32897	Quartz	Q	Active	Pi 14	Pi	14	18526 Yuk	20100911	20100927	20180927	Mayo	0.201218
4.65E+08 YD32898	Quartz	Q	Active	Pi 15	Pi	15	18526 Yuk	20100911	20100927	20180927	Mayo	0.201275
4.65E+08 YD05367	Quartz	Q	Active	Q 249	Q	249	18526 Yuk	20110304	20110316	20220316	Mayo	0.201221
4.65E+08 YD05335	Quartz	Q	Active	Q 217	Q	217	18526 Yuk	20110202	20110225	20220225	Mayo	0.201215
4.65E+08 YD04749	Quartz	Q	Active	N 97	N	97	18526 Yuk	20110117	20110126	20220126	Mayo	0.204437
4.65E+08 YD04750	Quartz	Q	Active	N 98	N	98	18526 Yuk	20110117	20110126	20220126	Mayo	0.204439
4.65E+08 YD152602	Quartz	Q	Active	Q 482	Q	482	18526 Yuk	20110203	20110225	20220225	Mayo	0.204441

4.65E+08 YD152578	Quartz	Q	Active	Q 458	Q	458 18526 Yuk	20110203	20110225	20220225	Mayo	0.204436
4.65E+08 YD05348	Quartz	Q	Active	Q 230	Q	230 18526 Yuk	20110304	20110316	20220316	Mayo	0.201222
4.65E+08 YD05322	Quartz	Q	Active	Q 204	Q	204 18526 Yuk	20110305	20110316	20220316	Mayo	0.201219
4.65E+08 YD152741	Quartz	Q	Active	Q 521	Q	521 18526 Yuk	20110203	20110225	20220225	Mayo	0.204435
4.65E+08 YD05366	Quartz	Q	Active	Q 248	Q	248 18526 Yuk	20110304	20110316	20220316	Mayo	0.201218
4.65E+08 YD152505	Quartz	Q	Active	Q 385	Q	385 18526 Yuk	20110304	20110321	20220321	Mayo	0.20444
4.65E+08 YD32892	Quartz	Q	Active	Pi 9	Pi	9 18526 Yuk	20100911	20100927	20180927	Mayo	0.201222
4.65E+08 YD152664	Quartz	Q	Active	Q 344	Q	344 18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.65E+08 YD05000	Quartz	Q	Active	Q 8	Q	8 18526 Yuk	20110202	20110225	20220225	Mayo	0.204437
4.65E+08 YD152571	Quartz	Q	Active	Q 451	Q	451 18526 Yuk	20110304	20110316	20220316	Mayo	0.204436
4.65E+08 YD05046	Quartz	Q	Active	Q 54	Q	54 18526 Yuk	20110202	20110225	20220225	Mayo	0.204437
4.65E+08 YD04762	Quartz	Q	Active	N 110	N	110 18526 Yuk	20110117	20110126	20220126	Mayo	0.204438
4.65E+08 YD05083	Quartz	Q	Active	Q 89	Q	89 18526 Yuk	20110305	20110316	20220316	Mayo	0.182662
4.65E+08 YD152531	Quartz	Q	Active	Q 411	Q	411 18526 Yuk	20110203	20110225	20220225	Mayo	0.204437
4.65E+08 YD82352	Quartz	Q	Active	lo 52	lo	52 18526 Yuk	20110409	20110426	20220426	Mayo	0.211678
4.65E+08 YD152703	Quartz	Q	Active	Q 483	Q	483 18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.65E+08 YD152693	Quartz	Q	Active	Q 373	Q	373 18526 Yuk	20110304	20110321	20220321	Mayo	0.204446
4.66E+08 YD05102	Quartz	Q	Active	Pi 18	Pi	18 18526 Yuk	20110117	20110126	20220126	Mayo	0.201221
4.66E+08 YD05092	Quartz	Q	Active	Q 98	Q	98 18526 Yuk	20110305	20110316	20220316	Mayo	0.201222
4.66E+08 YD05095	Quartz	Q	Active	Q 101	Q	101 18526 Yuk	20110305	20110316	20220316	Mayo	0.18266
4.66E+08 YD04995	Quartz	Q	Active	Q 3	Q	3 18526 Yuk	20110305	20110316	20220316	Mayo	0.204435
4.66E+08 YD05090	Quartz	Q	Active	Q 96	Q	96 18526 Yuk	20110305	20110316	20220316	Mayo	0.201219
4.66E+08 YD05089	Quartz	Q	Active	Q 95	Q	95 18526 Yuk	20110305	20110316	20220316	Mayo	0.182661
4.66E+08 YD05100	Quartz	Q	Active	Q 106	Q	106 18526 Yuk	20110305	20110316	20220316	Mayo	0.201218
4.66E+08 YD152504	Quartz	Q	Active	Q 384	Q	384 18526 Yuk	20110304	20110321	20220321	Mayo	0.204446
4.66E+08 YD05361	Quartz	Q	Active	Q 243	Q	243 18526 Yuk	20110304	20110316	20220316	Mayo	0.201218
4.66E+08 YD05119	Quartz	Q	Active	Pi 35	Pi	35 18526 Yuk	20110117	20110126	20220126	Mayo	0.201218
4.66E+08 YD05120	Quartz	Q	Active	Pi 36	Pi	36 18526 Yuk	20110117	20110126	20220126	Mayo	0.20122
4.66E+08 YD152676	Quartz	Q	Active	Q 356	Q	356 18526 Yuk	20110304	20110321	20220321	Mayo	0.204442
4.66E+08 YD82351	Quartz	Q	Active	lo 51	lo	51 18526 Yuk	20110409	20110426	20220426	Mayo	0.213826
4.66E+08 YD05123	Quartz	Q	Active	Q 107	Q	107 18526 Yuk	20110305	20110316	20220316	Mayo	0.182665
4.66E+08 YD04763	Quartz	Q	Active	N 111	N	111 18526 Yuk	20110117	20110126	20220126	Mayo	0.204434
4.66E+08 YD05055	Quartz	Q	Active	Q 61	Q	61 18526 Yuk	20110129	20110225	20220225	Mayo	0.204437
4.66E+08 YD152616	Quartz	Q	Active	Q 296	Q	296 18526 Yuk	20110304	20110316	20220316	Mayo	0.204439

4.66E+08 YD05041	Quartz	Q	Active	Q 49	Q	49 18526 Yuk	20110202	20110225	20220225	Mayo	0.204444
4.66E+08 YD04748	Quartz	Q	Active	N 96	N	96 18526 Yuk	20110117	20110126	20220126	Mayo	0.20444
4.66E+08 YD152663	Quartz	Q	Active	Q 343	Q	343 18526 Yuk	20110203	20110225	20220225	Mayo	0.204435
4.66E+08 YD05199	Quartz	Q	Active	Q 181	Q	181 18526 Yuk	20110305	20110316	20220316	Mayo	0.201223
4.66E+08 YD05347	Quartz	Q	Active	Q 229	Q	229 18526 Yuk	20110304	20110316	20220316	Mayo	0.201219
4.66E+08 YD05056	Quartz	Q	Active	Q 62	Q	62 18526 Yuk	20110129	20110225	20220225	Mayo	0.204434
4.66E+08 YD05142	Quartz	Q	Active	Q 126	Q	126 18526 Yuk	20110305	20110316	20220316	Mayo	0.201218
4.66E+08 YD04736	Quartz	Q	Active	N 84	N	84 18526 Yuk	20110117	20110126	20220126	Mayo	0.204446
4.66E+08 YD04674	Quartz	Q	Active	PA 2	PA	2 18526 Yuk	20110304	20110321	20220321	Mayo	0.201372
4.66E+08 YD152540	Quartz	Q	Active	Q 420	Q	420 18526 Yuk	20110304	20110316	20220316	Mayo	0.204439
4.66E+08 YD152539	Quartz	Q	Active	Q 419	Q	419 18526 Yuk	20110304	20110316	20220316	Mayo	0.204442
4.66E+08 YD05371	Quartz	Q	Active	Q 253	Q	253 18526 Yuk	20110304	20110316	20220316	Mayo	0.201217
4.66E+08 YD05400	Quartz	Q	Active	Q 282	Q	282 18526 Yuk	20110203	20110225	20220225	Mayo	0.201218
4.66E+08 YD05390	Quartz	Q	Active	Q 272	Q	272 18526 Yuk	20110203	20110225	20220225	Mayo	0.201216
4.66E+08 YD05389	Quartz	Q	Active	Q 271	Q	271 18526 Yuk	20110203	20110225	20220225	Mayo	0.201216
4.66E+08 YD152627	Quartz	Q	Active	Q 307	Q	307 18526 Yuk	20110304	20110316	20220316	Mayo	0.204438
4.66E+08 YD152662	Quartz	Q	Active	Q 342	Q	342 18526 Yuk	20110304	20110316	20220316	Mayo	0.204444
4.66E+08 YD152615	Quartz	Q	Active	Q 295	Q	295 18526 Yuk	20110304	20110316	20220316	Mayo	0.204438
4.66E+08 YD152738	Quartz	Q	Active	Q 518	Q	518 18526 Yuk	20110203	20110225	20220225	Mayo	0.204441
4.66E+08 YD152603	Quartz	Q	Active	Q 283	Q	283 18526 Yuk	20110203	20110225	20220225	Mayo	0.201218
4.66E+08 YD152593	Quartz	Q	Active	Q 473	Q	473 18526 Yuk	20110203	20110225	20220225	Mayo	0.204442
4.66E+08 YD05151	Quartz	Q	Active	Q 135	Q	135 18526 Yuk	20110129	20110225	20220225	Mayo	0.182658
4.66E+08 YD05316	Quartz	Q	Active	Q 198	Q	198 18526 Yuk	20110305	20110316	20220316	Mayo	0.201222
4.66E+08 YD152675	Quartz	Q	Active	Q 355	Q	355 18526 Yuk	20110304	20110321	20220321	Mayo	0.204438
4.66E+08 YD04758	Quartz	Q	Active	N 106	N	106 18526 Yuk	20110117	20110126	20220126	Mayo	0.204441
4.66E+08 YD152654	Quartz	Q	Active	Q 334	Q	334 18526 Yuk	20110304	20110316	20220316	Mayo	0.204436
4.66E+08 YD04679	Quartz	Q	Active	PA 7	PA	7 18526 Yuk	20110304	20110321	20220321	Mayo	0.201049
4.66E+08 YD04680	Quartz	Q	Active	PA 8	PA	8 18526 Yuk	20110304	20110321	20220321	Mayo	0.201086
4.66E+08 YD05192	Quartz	Q	Active	Q 174	Q	174 18526 Yuk	20110305	20110316	20220316	Mayo	0.201221
4.66E+08 YD152538	Quartz	Q	Active	Q 418	Q	418 18526 Yuk	20110304	20110316	20220316	Mayo	0.204438
4.66E+08 YD152513	Quartz	Q	Active	Q 393	Q	393 18526 Yuk	20110304	20110321	20220321	Mayo	0.204442
4.66E+08 YD152726	Quartz	Q	Active	Q 506	Q	506 18526 Yuk	20110203	20110225	20220225	Mayo	0.204439
4.66E+08 YD152594	Quartz	Q	Active	Q 474	Q	474 18526 Yuk	20110203	20110225	20220225	Mayo	0.204439
4.66E+08 YD152604	Quartz	Q	Active	Q 284	Q	284 18526 Yuk	20110203	20110225	20220225	Mayo	0.201221

4.66E+08 YD05336	Quartz	Q	Active	Q 218	Q	218	18526 Yuk	20110202	20110225	20220225	Mayo	0.201221
4.66E+08 YD05124	Quartz	Q	Active	Q 108	Q	108	18526 Yuk	20110305	20110316	20220316	Mayo	0.201221
4.66E+08 YD05005	Quartz	Q	Active	Q 13	Q	13	18526 Yuk	20110129	20110225	20220225	Mayo	0.204437
4.66E+08 YD04905	Quartz	Q	Active	PA 29	PA	29	18526 Yuk	20110304	20110321	20220321	Mayo	0.20122
4.66E+08 YD152554	Quartz	Q	Active	Q 434	Q	434	18526 Yuk	20110304	20110316	20220316	Mayo	0.204444
4.66E+08 YD05196	Quartz	Q	Active	Q 178	Q	178	18526 Yuk	20110305	20110316	20220316	Mayo	0.201217
4.66E+08 YD05042	Quartz	Q	Active	Q 50	Q	50	18526 Yuk	20110202	20110225	20220225	Mayo	0.204443
4.66E+08 YD05353	Quartz	Q	Active	Q 235	Q	235	18526 Yuk	20110304	20110316	20220316	Mayo	0.201222
4.66E+08 YD152586	Quartz	Q	Active	Q 466	Q	466	18526 Yuk	20110203	20110225	20220225	Mayo	0.204444
4.66E+08 YD05304	Quartz	Q	Active	Q 186	Q	186	18526 Yuk	20110305	20110316	20220316	Mayo	0.20122
4.66E+08 YD152634	Quartz	Q	Active	Q 314	Q	314	18526 Yuk	20110304	20110316	20220316	Mayo	0.204437
4.66E+08 YD04764	Quartz	Q	Active	N 112	N	112	18526 Yuk	20110117	20110126	20220126	Mayo	0.204437
4.66E+08 YD152548	Quartz	Q	Active	Q 428	Q	428	18526 Yuk	20110304	20110316	20220316	Mayo	0.204441
4.66E+08 YD152665	Quartz	Q	Active	Q 345	Q	345	18526 Yuk	20110203	20110225	20220225	Mayo	0.204435
4.66E+08 YD152610	Quartz	Q	Active	Q 290	Q	290	18526 Yuk	20110203	20110225	20220225	Mayo	0.201214
4.66E+08 YD152609	Quartz	Q	Active	Q 289	Q	289	18526 Yuk	20110203	20110225	20220225	Mayo	0.201218
4.66E+08 YD152599	Quartz	Q	Active	Q 479	Q	479	18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.66E+08 YD05177	Quartz	Q	Active	Q 159	Q	159	18526 Yuk	20110305	20110316	20220316	Mayo	0.201222
4.66E+08 YD05370	Quartz	Q	Active	Q 252	Q	252	18526 Yuk	20110304	20110316	20220316	Mayo	0.20122
4.66E+08 YD05369	Quartz	Q	Active	Q 251	Q	251	18526 Yuk	20110304	20110316	20220316	Mayo	0.201224
4.66E+08 YD152507	Quartz	Q	Active	Q 387	Q	387	18526 Yuk	20110304	20110321	20220321	Mayo	0.204439
4.66E+08 YD32899	Quartz	Q	Active	Pi 16	Pi	16	18526 Yuk	20100911	20100927	20180927	Mayo	0.200531
4.66E+08 YD05302	Quartz	Q	Active	Q 184	Q	184	18526 Yuk	20110305	20110316	20220316	Mayo	0.201218
4.66E+08 YD152725	Quartz	Q	Active	Q 505	Q	505	18526 Yuk	20110203	20110225	20220225	Mayo	0.204436
4.66E+08 YD82459	Quartz	Q	Active	lo 159	lo	159	18526 Yuk	20110409	20110426	20220426	Mayo	0.194175
4.66E+08 YD05111	Quartz	Q	Active	Pi 27	Pi	27	18526 Yuk	20110117	20110126	20220126	Mayo	0.201277
4.66E+08 YD05326	Quartz	Q	Active	Q 208	Q	208	18526 Yuk	20110305	20110316	20220316	Mayo	0.201219
4.66E+08 YD152522	Quartz	Q	Active	Q 402	Q	402	18526 Yuk	20110203	20110225	20220225	Mayo	0.204435
4.66E+08 YD05329	Quartz	Q	Active	Q 211	Q	211	18526 Yuk	20110202	20110225	20220225	Mayo	0.201218
4.66E+08 YD05330	Quartz	Q	Active	Q 212	Q	212	18526 Yuk	20110202	20110225	20220225	Mayo	0.201218
4.66E+08 YD152613	Quartz	Q	Active	Q 293	Q	293	18526 Yuk	20110304	20110316	20220316	Mayo	0.204439
4.66E+08 YD82404	Quartz	Q	Active	lo 104	lo	104	18526 Yuk	20110409	20110426	20220426	Mayo	0.207604
4.66E+08 YD152628	Quartz	Q	Active	Q 308	Q	308	18526 Yuk	20110304	20110316	20220316	Mayo	0.20444
4.66E+08 YD05150	Quartz	Q	Active	Q 134	Q	134	18526 Yuk	20110129	20110225	20220225	Mayo	0.201216

4.66E+08 YD152646	Quartz	Q	Active	Q 326	Q	326 18526 Yuk	20110304	20110316	20220316	Mayo	0.204436
4.66E+08 YD152666	Quartz	Q	Active	Q 346	Q	346 18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.66E+08 YD05084	Quartz	Q	Active	Q 90	Q	90 18526 Yuk	20110305	20110316	20220316	Mayo	0.201223
4.66E+08 YD152536	Quartz	Q	Active	Q 416	Q	416 18526 Yuk	20110203	20110225	20220225	Mayo	0.204437
4.66E+08 YD152720	Quartz	Q	Active	Q 500	Q	500 18526 Yuk	20110203	20110225	20220225	Mayo	0.204437
4.66E+08 YD152719	Quartz	Q	Active	Q 499	Q	499 18526 Yuk	20110203	20110225	20220225	Mayo	0.20444
4.66E+08 YD05137	Quartz	Q	Active	Q 121	Q	121 18526 Yuk	20110305	20110316	20220316	Mayo	0.182659
4.66E+08 YD05391	Quartz	Q	Active	Q 273	Q	273 18526 Yuk	20110203	20110225	20220225	Mayo	0.201219
4.66E+08 YD05057	Quartz	Q	Active	Q 63	Q	63 18526 Yuk	20110129	20110225	20220225	Mayo	0.204437
4.66E+08 YD05162	Quartz	Q	Active	Q 146	Q	146 18526 Yuk	20110129	20110225	20220225	Mayo	0.201215
4.66E+08 YD05378	Quartz	Q	Active	Q 260	Q	260 18526 Yuk	20110304	20110316	20220316	Mayo	0.201217
4.66E+08 YD05325	Quartz	Q	Active	Q 207	Q	207 18526 Yuk	20110305	20110316	20220316	Mayo	0.201219
4.66E+08 YD152671	Quartz	Q	Active	Q 351	Q	351 18526 Yuk	20110203	20110225	20220225	Mayo	0.204443
4.66E+08 YD152576	Quartz	Q	Active	Q 456	Q	456 18526 Yuk	20110203	20110225	20220225	Mayo	0.204439
4.66E+08 YD152713	Quartz	Q	Active	Q 493	Q	493 18526 Yuk	20110203	20110225	20220225	Mayo	0.204437
4.66E+08 YD152584	Quartz	Q	Active	Q 464	Q	464 18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.66E+08 YD05346	Quartz	Q	Active	Q 228	Q	228 18526 Yuk	20110304	20110316	20220316	Mayo	0.201224
4.66E+08 YD05311	Quartz	Q	Active	Q 193	Q	193 18526 Yuk	20110305	20110316	20220316	Mayo	0.201219
4.66E+08 YD152643	Quartz	Q	Active	Q 323	Q	323 18526 Yuk	20110304	20110316	20220316	Mayo	0.20444
4.66E+08 YD32884	Quartz	Q	Active	Pi 1	Pi	1 18526 Yuk	20100911	20100927	20180927	Mayo	0.201219
4.66E+08 YD05363	Quartz	Q	Active	Q 245	Q	245 18526 Yuk	20110304	20110316	20220316	Mayo	0.201218
4.66E+08 YD05087	Quartz	Q	Active	Q 93	Q	93 18526 Yuk	20110305	20110316	20220316	Mayo	0.182659
4.66E+08 YD05383	Quartz	Q	Active	Q 265	Q	265 18526 Yuk	20110304	20110316	20220316	Mayo	0.201219
4.66E+08 YD05178	Quartz	Q	Active	Q 160	Q	160 18526 Yuk	20110305	20110316	20220316	Mayo	0.201225
4.66E+08 YD152582	Quartz	Q	Active	Q 462	Q	462 18526 Yuk	20110203	20110225	20220225	Mayo	0.204436
4.66E+08 YD05368	Quartz	Q	Active	Q 250	Q	250 18526 Yuk	20110304	20110316	20220316	Mayo	0.201218
4.66E+08 YD32891	Quartz	Q	Active	Pi 8	Pi	8 18526 Yuk	20100911	20100927	20180927	Mayo	0.201222
4.66E+08 YD152710	Quartz	Q	Active	Q 490	Q	490 18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.66E+08 YD152699	Quartz	Q	Active	Q 379	Q	379 18526 Yuk	20110304	20110321	20220321	Mayo	0.204437
4.66E+08 YD152709	Quartz	Q	Active	Q 489	Q	489 18526 Yuk	20110203	20110225	20220225	Mayo	0.20444
4.66E+08 YD05051	Quartz	Q	Active	Q 57	Q	57 18526 Yuk	20110202	20110225	20220225	Mayo	0.204435
4.66E+08 YD152715	Quartz	Q	Active	Q 495	Q	495 18526 Yuk	20110203	20110225	20220225	Mayo	0.204437
4.66E+08 YD05384	Quartz	Q	Active	Q 266	Q	266 18526 Yuk	20110304	20110316	20220316	Mayo	0.201217
4.66E+08 YD05174	Quartz	Q	Active	Q 156	Q	156 18526 Yuk	20110305	20110316	20220316	Mayo	0.201221

4.66E+08 YD05373	Quartz	Q	Active	Q 255	Q	255 18526 Yuk	20110304	20110316	20220316	Mayo	0.201217
4.66E+08 YD32894	Quartz	Q	Active	Pi 11	Pi	11 18526 Yuk	20100911	20100927	20180927	Mayo	0.20122
4.66E+08 YD82408	Quartz	Q	Active	lo 108	lo	108 18526 Yuk	20110409	20110426	20220426	Mayo	0.210071
4.66E+08 YD152736	Quartz	Q	Active	Q 516	Q	516 18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.66E+08 YD152510	Quartz	Q	Active	Q 390	Q	390 18526 Yuk	20110304	20110321	20220321	Mayo	0.204439
4.66E+08 YD152509	Quartz	Q	Active	Q 389	Q	389 18526 Yuk	20110304	20110321	20220321	Mayo	0.204436
4.66E+08 YD82406	Quartz	Q	Active	lo 106	lo	106 18526 Yuk	20110409	20110426	20220426	Mayo	0.209201
4.66E+08 YD152526	Quartz	Q	Active	Q 406	Q	406 18526 Yuk	20110203	20110225	20220225	Mayo	0.204438
4.66E+08 YD05190	Quartz	Q	Active	Q 172	Q	172 18526 Yuk	20110305	20110316	20220316	Mayo	0.201221
4.66E+08 YD05189	Quartz	Q	Active	Q 171	Q	171 18526 Yuk	20110305	20110316	20220316	Mayo	0.201224
4.66E+08 YD05200	Quartz	Q	Active	Q 182	Q	182 18526 Yuk	20110305	20110316	20220316	Mayo	0.20122
4.66E+08 YD05355	Quartz	Q	Active	Q 237	Q	237 18526 Yuk	20110304	20110316	20220316	Mayo	0.201225
4.66E+08 YD05086	Quartz	Q	Active	Q 92	Q	92 18526 Yuk	20110305	20110316	20220316	Mayo	0.201219
4.66E+08 YD152543	Quartz	Q	Active	Q 423	Q	423 18526 Yuk	20110304	20110316	20220316	Mayo	0.204447
4.66E+08 YD82405	Quartz	Q	Active	lo 105	lo	105 18526 Yuk	20110409	20110426	20220426	Mayo	0.211657
4.66E+08 YD05044	Quartz	Q	Active	Q 52	Q	52 18526 Yuk	20110202	20110225	20220225	Mayo	0.204437
4.66E+08 YD152532	Quartz	Q	Active	Q 412	Q	412 18526 Yuk	20110203	20110225	20220225	Mayo	0.204435
4.66E+08 YD152686	Quartz	Q	Active	Q 366	Q	366 18526 Yuk	20110304	20110321	20220321	Mayo	0.204441
4.66E+08 YD152729	Quartz	Q	Active	Q 509	Q	509 18526 Yuk	20110203	20110225	20220225	Mayo	0.204439
4.66E+08 YD152730	Quartz	Q	Active	Q 510	Q	510 18526 Yuk	20110203	20110225	20220225	Mayo	0.204436
4.66E+08 YD05188	Quartz	Q	Active	Q 170	Q	170 18526 Yuk	20110305	20110316	20220316	Mayo	0.201218
4.66E+08 YD04765	Quartz	Q	Active	N 113	N	113 18526 Yuk	20110117	20110126	20220126	Mayo	0.204434
4.66E+08 YD152667	Quartz	Q	Active	Q 347	Q	347 18526 Yuk	20110203	20110225	20220225	Mayo	0.204435
4.66E+08 YD152659	Quartz	Q	Active	Q 339	Q	339 18526 Yuk	20110304	20110316	20220316	Mayo	0.204438
4.66E+08 YD152660	Quartz	Q	Active	Q 340	Q	340 18526 Yuk	20110304	20110316	20220316	Mayo	0.204435
4.66E+08 YD152503	Quartz	Q	Active	Q 383	Q	383 18526 Yuk	20110304	20110321	20220321	Mayo	0.204446
4.66E+08 YF25892	Quartz	Q	Active	FA 292	FA	292 Anthill Res	20111020	20111102	20211102	Mayo	0.204441
4.66E+08 YD04681	Quartz	Q	Active	PA 9	PA	9 18526 Yuk	20110304	20110321	20220321	Mayo	0.201113
4.66E+08 YD05306	Quartz	Q	Active	Q 188	Q	188 18526 Yuk	20110305	20110316	20220316	Mayo	0.20122
4.66E+08 YD04994	Quartz	Q	Active	Q 2	Q	2 18526 Yuk	20110305	20110316	20220316	Mayo	0.204435
4.66E+08 YD05094	Quartz	Q	Active	Q 100	Q	100 18526 Yuk	20110305	20110316	20220316	Mayo	0.201219
4.66E+08 YD152558	Quartz	Q	Active	Q 438	Q	438 18526 Yuk	20110304	20110316	20220316	Mayo	0.204437
4.66E+08 YD05058	Quartz	Q	Active	Q 64	Q	64 18526 Yuk	20110129	20110225	20220225	Mayo	0.204434
4.66E+08 YD05045	Quartz	Q	Active	Q 53	Q	53 18526 Yuk	20110202	20110225	20220225	Mayo	0.204435

4.65E+08 YD81967	Quartz	Q	Active	Qi 67	Qi	67 18526 Yuk	20110409	20110426	20190426	Mayo	0.206834
4.65E+08 YD81966	Quartz	Q	Active	Qi 66	Qi	66 18526 Yuk	20110409	20110426	20190426	Mayo	0.206775
4.65E+08 YF25896	Quartz	Q	Active	FA 296	FA	296 Anthill Res	20111020	20111102	20181102	Mayo	0.201217
4.65E+08 YD81971	Quartz	Q	Active	Qi 71	Qi	71 18526 Yuk	20110409	20110426	20190426	Mayo	0.206776
4.65E+08 YF25897	Quartz	Q	Active	FA 297	FA	297 Anthill Res	20111020	20111102	20181102	Mayo	0.129421
4.65E+08 YE14191	Quartz	Q	Active	FA 311	FA	311 Anthill Res	20111020	20111102	20191102	Mayo	0.201218
4.65E+08 YE14182	Quartz	Q	Active	FA 302	FA	302 Anthill Res	20111020	20111102	20191102	Mayo	0.201221
4.65E+08 YD81968	Quartz	Q	Active	Qi 68	Qi	68 18526 Yuk	20110409	20110426	20190426	Mayo	0.206782
4.65E+08 YE14194	Quartz	Q	Active	FA 314	FA	314 Anthill Res	20111020	20111102	20191102	Mayo	0.087483
4.66E+08 YE14181	Quartz	Q	Active	FA 301	FA	301 Anthill Res	20111020	20111102	20181102	Mayo	0.201219
4.66E+08 YF25877	Quartz	Q	Active	FA 277	FA	277 Anthill Res	20111020	20111102	20191102	Mayo	0.106708
4.66E+08 YD04737	Quartz	Q	Active	N 85	N	85 18526 Yuk	20110117	20110126	20190126	Mayo	0.204438
4.66E+08 YF25894	Quartz	Q	Active	FA 294	FA	294 Anthill Res	20111020	20111102	20181102	Mayo	0.111865
4.66E+08 YD04731	Quartz	Q	Active	N 79	N	79 18526 Yuk	20110117	20110126	20190126	Mayo	0.204437
4.66E+08 YE14184	Quartz	Q	Active	FA 304	FA	304 Anthill Res	20111020	20111102	20181102	Mayo	0.117772
4.66E+08 YD81950	Quartz	Q	Active	Qi 50	Qi	50 18526 Yuk	20110409	20110426	20190426	Mayo	0.2052
4.66E+08 YF25881	Quartz	Q	Active	FA 281	FA	281 Anthill Res	20111020	20111102	20191102	Mayo	0.078953
4.66E+08 YE14190	Quartz	Q	Active	FA 310	FA	310 Anthill Res	20111020	20111102	20191102	Mayo	0.113333
4.66E+08 YE14189	Quartz	Q	Active	FA 309	FA	309 Anthill Res	20111020	20111102	20191102	Mayo	0.201215
4.66E+08 YF25880	Quartz	Q	Active	FA 280	FA	280 Anthill Res	20111020	20111102	20191102	Mayo	0.204441
4.66E+08 YF25879	Quartz	Q	Active	FA 279	FA	279 Anthill Res	20111020	20111102	20191102	Mayo	0.141756
4.66E+08 YF25883	Quartz	Q	Active	FA 283	FA	283 Anthill Res	20111020	20111102	20191102	Mayo	0.061588
4.66E+08 YF25899	Quartz	Q	Active	FA 299	FA	299 Anthill Res	20111020	20111102	20181102	Mayo	0.075481
4.66E+08 YF25882	Quartz	Q	Active	FA 282	FA	282 Anthill Res	20111020	20111102	20191102	Mayo	0.068864
4.66E+08 YD81974	Quartz	Q	Active	Qi 74	Qi	74 18526 Yuk	20110409	20110426	20190426	Mayo	0.134181
4.66E+08 YF25887	Quartz	Q	Active	FA 287	FA	287 Anthill Res	20111020	20111102	20181102	Mayo	0.153989
4.66E+08 YD05034	Quartz	Q	Active	Q 42	Q	42 18526 Yuk	20110202	20110225	20200225	Mayo	0.204439
4.66E+08 YF25893	Quartz	Q	Active	FA 293	FA	293 Anthill Res	20111020	20111102	20181102	Mayo	0.066069
4.66E+08 YD05033	Quartz	Q	Active	Q 41	Q	41 18526 Yuk	20110202	20110225	20200225	Mayo	0.204437
4.66E+08 YD05035	Quartz	Q	Active	Q 43	Q	43 18526 Yuk	20110202	20110225	20190225	Mayo	0.204436
4.66E+08 YE14193	Quartz	Q	Active	FA 313	FA	313 Anthill Res	20111020	20111102	20191102	Mayo	0.144074
4.66E+08 YF25878	Quartz	Q	Active	FA 278	FA	278 Anthill Res	20111020	20111102	20191102	Mayo	0.204438
4.66E+08 YF25895	Quartz	Q	Active	FA 295	FA	295 Anthill Res	20111020	20111102	20181102	Mayo	0.090811
4.66E+08 YE14186	Quartz	Q	Active	FA 306	FA	306 Anthill Res	20111020	20111102	20191102	Mayo	0.156505

SOIL SAMPLE DESCRIPTION SHEET

2016 Program, Mars Northeast

Sample No.	Easting NAD 83	Northing NAD 83	Zone	Elev m	Horizon	Depth (cm)	Slope Angle	Colour	Permafrost (yes/no?)	% Coarse Fragments	Vegetation	Surficial Geology	Fragment Lithology	% Organics	Date	Sampler	Comments
S685101	381706.52	7088581.89	9	1305.7 C		30 Gentle		Brown	N		Buck						
S685102	381657.3	7088576.72	9	1299.7 C		40 Gentle		Yellowish brown	N	30 brush	Boulder	Siltstone	<5		2016/7/20 WJ		Talus boulder
S685103	381611.38	7088578.35	9	1292.9 C		40 Gentle		Yellowish brown	N	15 brush	Boulder	Siltstone	<5		2016/7/20 WJ		Talus boulder
S685104	381547.53	7088585	9	1286.4 C		60 Gentle		Yellowish brown	N	15 brush	slope sed	Shale	<5		2016/7/20 WJ		Talus boulder
S685105	381507.49	7088587.52	9	1283.5 C		40 Gentle		Yellowish brown	N	15 brush	slope sed	shale	<5		2016/7/20 WJ		clay rick
S685106	381455.95	7088586.02	9	1282.9 C		40 Gentle		Brown	N	10 brush	slope sed	Shale	<5		2016/7/20 WJ		Wet sample
S685107	381407.88	7088583.94	9	1282.6 C		40 Gentle		Brown	N	15 brush	slope sed	Shale	<5		2016/7/20 WJ		Good
S685108	381354.97	7088589.06	9	1272.6 C		60 Gentle		Brown	N	15 brush	Slope sed	Shale	<5		2016/7/20 WJ		Wet
S685109	381300.38	7088587.45	9	1264.3 C		40 Gentle		Brown	N	15 brush	Slope sed	Shale	<5		2016/7/20 WJ		Wet
S685110	381258.2	7088596.97	9	1262.2 C		30 Gentle		Brown	N	15 brush	Slope sed	Grey shale	<5		2016/7/20 WJ		Wet moderate slope
S685111	381217.78	7088795.02	9	1248.6 C		30 Gentle		Brown	N	10 brush	slope sed	Shale	<5		2016/7/20 WJ		Rock chips of shale
S685112	381208.6	7088601.31	9	1264.5 C		50 Gentle		Dark brown	N	15 brush	slope sed	Shale	<5		2016/7/20 WJ		Clay rick Muddy soil good at wet area, outcrops of grey to red shale. Bank of creek area.
S685113	381158.01	7088597.43	9	1269.5 B-C		60 Gentle		Dark brown	N	15 brush	slope sed	Shale	<5		2016/7/20 WJ		East slope gentle. Shale sub crops or gravels of slope sedimentary materials.
S685114	381104.72	7088599.01	9	1277.8 C		40 Gentle		Orange	N	15 brush	Clay	Shale	<5		2016/7/20 WJ		Wet, Siltstone and siltstone.
S685115	381051.49	7088593.23	9	1279.3 C		30 Gentle		Brown	N	15 brush	Clay	Shale	<5		2016/7/20 WJ		East slope moderate, thick buck brush bush covers.
S685116	381006.13	7088609.45	9	1289.8 C		40 Gentle		Orange to brown	N	15 brush	Clay	Shale	<5		2016/7/20 WJ		East slope with thick buck brush bush covers.
S685117	381007.86	7088808.47	9	1285.6 C		40 Gentle		Brown	N	15 brush	slope sed	Shale	<5		2016/7/20 WJ		Rock chips rick soil at east slope. Grey and red shale and sandstone boulders.
S685118	381058.55	7088802.08	9	1275.9 C		40 Gentle		Brown	N	15 brush	Mixture soil	Shale	<5		2016/7/20 WJ		Mixture soil at gravels of siltstone and sandstone area buck brush bush covers.
S685119	381110.23	7088803.57	9	1275.5 C		40 Gentle		Brown	N	15 brush	Gravels	Sandstone silt stone	<5		2016/7/20 WJ		Mixture coarser soil at east slope. Buck brush bush thick covers.
S685120	381158.05	7088795.06	9	1263.7 C		40 Gentle		Brown	N	15 brush	Shale	gravel	Shale	<5	2016/7/20 WJ		Shale boulder. Bush thick cover.
											Steep slope	Shale	<5		2016/7/20 WJ		Mixture soil good, at siltstone and shale area.

S685121	381266.8	7088789.82	9	1248.9 C	20 Gentle	Brown	N	Buck	Near	Shale	<5	2016/7/20 WJ	East bank of creek, thrust fault developed, outcrops by steep-cliff of bank.
S685122	381308.86	7088789	9	1248.7 C	50 Gentle	Brown	N	Buck	thrust F	Shale	<5	2016/7/20 WJ	Clay rich subcrops of shale. Buck bush covers.
S685123	381359.23	7088788.32	9	1254.4 C	50 Gentle	Brown	N	Buck	Subcrops	Shale	<5	2016/7/20 WJ	Clay rich soil at shale outcrops area bush covers.
S685124	381407.82	7088789.82	9	1259.2 C	40 Gentle	Brown	N	Buck	Sub crops	Shale	<5	2016/7/20 WJ	Clay rich soil at shale outcrops area bush covers.
S685125	381458.74	7088788.12	9	1263.0 C	40 Gentle	Brown	N	Buck	slope sed	Shale	<5	2016/7/20 WJ	Clay rich soil at shale.
S685126	381509.02	7088787.66	9	1268.4 C	60 Gentle	Brown	N	Buck	slope sed	Shale	<5	2016/7/20 WJ	Clay rich soil good. Shale outcrops area. West slope moderate.
S685127	381090.77	7090601.19	9	1293.4 C	50 Gentle	Yellowish brown	N	Buck	Wet land	Shale	<5	2016/7/20 WJ	Clay rich at wet land with flowing water wet land. Boulders of shale and sandstone.
S685128	381144.58	7090598.7	9	1284.3 C	50 Gentle	Greyish brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Clay rich soil good. East slope area with bush thick.
S685129	381199.32	7090596.06	9	1278.3 C	40 Gentle	Brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	East slope moderate. Shale and siltstone small pebble area.
S685130	381254.12	7090591.41	9	1272.1 C	50 Gentle	Brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	east moderate slope with thick buck bush. Slope of shale and sandstone.
S685131	381302.28	7090591.26	9	1265.0 C	40 Gentle	Greyish brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Red and grey shale outcrops area with thick buck brush bush cover.
S685132	381355.01	7090592.71	9	1256.2 C	50 Gentle	Greyish brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Shale siltstone and sandstone boulder and pebbles covered area with buck brush bush covers.
S685133	381403.62	7090587.86	9	1247.1 C	60 Gentle	Greyish brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Clay rich soil good. Moderate slope with bush covers.
S685134	381452.24	7090583.11	9	1242.6 C	40 Gentle	Brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Coarser soil good, at wet area with sparse spruce tree area and patches of bush.
S685135	381505.29	7090579.99	9	1236.4 B-C	40 Gentle	Pale	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Coarser soil good, sparse spruce tree area and patches of bush.
S685136	381550.64	7090577.26	9	1230.3 C	40 Gentle	Yellowish brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Coarser soil good, with sparse spruce tree area and patches of bush.
S685137	381601.38	7090575.45	9	1222.6 B-C	40 Gentle	Dark	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Clay rich soil good, at wet area. Spruce tree and bushes mixture covers.
S685138	381653.02	7090571.38	9	1218.5 C	40 Gentle	Brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Clay and silt mixture soil good. Boulders of arenite.
S685139	381701.27	7090565.98	9	1215.3 C	50 Gentle	Yellowish brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Shale and arenite boulders and pebbles.
S685140	381757.15	7090566.44	9	1207.9 C	60 Gentle	Brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Shale and arenite boulders and pebbles.
S685141	381801.82	7090562.29	9	1202.0 C	40 Gentle	Brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	East slope of wet land.
S685142	381850.69	7090561.56	9	1196.5 C	70 Gentle	Yellowish brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	East slope of wet land.
S685143	381903.69	7090559.56	9	1196.5 C	40 Gentle	Brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Silty materials mixture soil good. Wet land shale and arenite boulders.
S685144	381952.05	7090557.4	9	1195.4 C	50 Gentle	Brown	N	Buck	slope sed	Shale	<5	2016/7/21 WJ	Wet land, Shale and west slope broad wet land.
								15 brush	slope sed	Shale	<5	2016/7/21 WJ	Wet land, Shale and west slope broad wet land.

S685145	382006.93	7090541.72	9	1197.6 C	80 Gentle	Yellowish brown	N	Buck brush	slope sed	Shale	<5	2016/7/21 WJ	Wet land, Shale and west slope broad wet land.
S685146	382051.95	7090546.94	9	1198.4 C	70 Gentle	Yellowish brown	N	Buck brush	slope sed	Shale	<5	2016/7/21 WJ	Wet land, Shale and west slope broad wet land.
S685147	382097.71	7090552.35	9	1200.8 C	40 Gentle	Yellowish brown	N	Buck brush	slope sed	Shale	<5	2016/7/21 WJ	Clay and rock chips of shale and arkose. Bush covers.
S685148	382150.71	7090553.35	9	1200.5 C	50 Gentle	Yellowish brown	N	Buck brush	slope sed	Shale	<5	2016/7/21 WJ	Talus boulders of siltstone, quartz glomerate and arkose. Broad shadow area.
S685149	382050.22	7090456.77	9	1200.5 C	60 Gentle	Greyish yellow	N	Buck brush	slope sed	Shale	<5	2016/7/21 WJ	Clay rich soil good. Wet land. West moderate slope, sandstone and siltstone boulders.
S685150	382004.62	7090454.37	9	1200.7 C	50 Gentle	Yellowish brown	N	Buck brush	slope sed	Shale	<5	2016/7/21 WJ	Clay rich soil good. Wet land. West moderate slope, sandstone and siltstone boulders.
S685151	381954.83	7090458.03	9	1200.4 C	60 Gentle	Brown	N	Buck brush	slope sed	Shale	<5	2016/7/21 WJ	Mixture clay and silt soil good. Sandstone and shale boulders area. Bush covers.
S685152	381902.02	7090462.37	9	1197.7 C	40 Gentle	Brown	N	Buck brush	slope sed	Shale	<5	2016/7/21 WJ	Mixture gravels of glacial drum line area.
S685153	381443.3	7090384.93	9	1227.1 C	60 Gentle	Grey	N	Buck brush	slope sed	Shale	<5	2016/7/22 WJ	Clay rich with mixture silt soil good. Wet area. Moss and bush covers.
S685154	381493.66	7090379.34	9	1227.0 C	60 Gentle	Dark brown	N	Buck brush	slope sed	Shale	<5	2016/7/22 WJ	Wet land spruce tree sparse. Siltstone and shale pebbles.
S685155	381547.49	7090377.52	9	1222.1 C	40 Gentle	Yellowish brown	N	Buck brush	slope sed	Shale	<5	2016/7/22 WJ	Wet land sandstone and siltstone area of pebbles and clay rich soil good.
S685156	381592.03	7090375.16	9	1220.3 C	60 Gentle	Yellowish brown	N	Buck brush	slope sed	Shale	<5	2016/7/22 WJ	Wet land sandstone and siltstone area of pebbles and clay rich soil good.
S685157	381640.24	7090375.01	9	1218.9 C	60 Gentle	Yellowish brown	N	Buck brush	slope sed	Shale	<5	2016/7/22 WJ	Wet land sandstone and siltstone area of pebbles and clay rich soil good.
S685001	381760.16	7088580.63	9	1311.1 b	50 Gentle	light brown	N	Buck-brush	Glacial Till	shale, grey siltstone	<5	2016/7/20 SC	up to 0.5cm rounded pebbles in matrix of 80% clay
S685002	381802.74	7088579.09	9	1326.7 b	40 Gentle	light brown	N	Buck-brush	Glacial Till	shale, grey siltstone	<5	2016/7/20 SC	up to 0.5cm rounded pebbles in matrix of 80% clay
S685003	381856.45	7088565.75	9	1344.8 b	35 Gentle	maroon	N	Buck-brush	Glacial Till/Silt	siltstone	<5	2016/7/20 SC	angular to rounded orange to maroon 0.5cm pebbles
S685004	381903.27	7088574.2	9	1355.6 b	40 Gentle	maroon	N	Buck-brush	Till/Colluvium	grey siltstone	<5	2016/7/20 SC	5% rounded clasts, 70% angular siltstone clasts, 25% clay mud
S685005	381951.6	7088571.41	9	1377.9 c	30 Gentle	beige	N	Buck-brush	Talus	and siltstone	<5	2016/7/20 SC	85% light beige to maroon siltstone
S685006	382006.5	7088565.07	9	1399.1 c	45 Gentle	Grey-maroon	N	Buck-brush	Colluvium	siltstone	<5	2016/7/20 SC	45% gy-mr silt clasts, angular, <1cm mostly, and 55% gy-mr clay mud---kaolinite from weathering
S685007	382015.72	7088780.97	9	1380.3 b	20 Gentle	brown	N	Buck-brush	colluvium and till	and conglomer	<5	2016/7/20 SC	80% clay mud, 2% gy-mr silt clasts and qtz cong boulders
S685008	381957.69	7088767.54	9	1370.2 B-c	30 Gentle	Grey-green	N	Buck-brush	Glacial Till	siltstone	<5	2016/7/20 SC	60% Sub-rounded grey to green siltstone clasts, <2cm, 40% brown mud matrix
S685009	381907.48	7088772.65	9	1353.4 B-c	25 Gentle	brown	N	Buck-brush	Glacial Till	mudstone	<5	2016/7/20 SC	30% sub-rounded mr, gy, green siltstone clasts between 1-4mm diam. 70% brn silty mud matrix, dry
S685010	381861.94	7088775.52	9	1339.0 c	50 Gentle	brown	N	Buck-brush	grey colluvium	siltstone	<5	2016/7/20 SC	60% 1mm-1cm grey siltstone clasts, sub-angular in 40% silty mud
S685011	381816.76	7088775.51	9	1320.2 B-c	45 Gentle	Gy-br	N	Buck-brush	maroon colluvium	siltstone	<5	2016/7/20 SC	15% silty mud, 85% 2cm to 1mm gr-mr siltstone

S685012	381764.35	7088774.7	9	1304.1 c	20	Gentle	brown	N	Buck-brush	sandy till	siltstone	<5	2016/7/20	SC	rounded siltstone and argillically alt and green and grey unaltered from 3mm to 2cm, wet, flat area
S685013	381710.34	7088777.66	9	1292.8 c	45	Gentle	brown	N	Buck-brush	Glacial Till	siltstone	<5	2016/7/20	SC	very sticky mud (kaolinite rich), 80% mud, 20% <0.5cm silt clasts
S685014	381660.58	7088782.33	9	1280.8 B-c	25	Gentle	brown	N	Buck-brush	Glacial Till	siltstone	<5	2016/7/20	SC	80% sticky mud, 20% rounded siltstone (<5mm)
S685015	381617.66	7088788.56	9	1279.4 c	25	Gentle	brown	N	Buck-brush	colluvium	siltstone	<5	2016/7/20	SC	muddy, sticky siltstone clasts, angular
S685016	381563.2	7088787.04	9	1276.5 c	50	Gentle	Orange-brown	N	Buck-brush	colluvium	siltstone	<5	2016/7/20	SC	flat area
S685017	381819.31	7089175.79	9	1299.3 c	70	Gentle	brown	N	spruce	Glacial Till	siltstone	<5	2016/7/21	SC	sampled at bottom of pit angular siltstone clasts, qtz vein clasts top 30cm
S685018	381118.52	7090700.87	9	1301.5 c	45	Gentle	brown	N	Buck-brush	Glacial Till	siltstone	<5	2016/7/21	SC	wet, gy-mr siltstone, rounded clasts, 0.5cm, about 40%, 60% sandy and silty mud
S685019	381164.95	7090692.2	9	1293.3 B-c	25	Gentle	brown	N	Buck-brush	Glacial Till	siltstone	<5	2016/7/21	SC	wet, gy-mr siltstone, rounded clasts, 0.5cm, about 40%, 60% sandy and silty mud
S685020	381216.09	7090700.87	9	1283.0 B-c	40	Gentle	brown	N	Buck-brush	Glacial Till	siltstone	<5	2016/7/21	SC	30% med coarse sand, 10% rounded (<1cm diam) clasts of grey siltstone, 10% mud, 50% silt
S685021	381259.76	7090689.96	9	1277.2 b	40	Gentle	light brown	N	and siltstone	Glacial Till	siltstone	<5	2016/7/21	SC	25% mud, 45% silt, 15% sand, 15% rounded siltstone pebbles
S685022	381314	7090694.77	9	1268.3 b	40	Gentle	brown	N	grassy field	Glacial Till	siltstone	<5	2016/7/21	SC	60% mud/silt, 20% rounded pebbles of siltstone, 15% sand, 5% organics
S685023	381362.62	7090688.76	9	1259.0 b	40	Gentle	brown	N	grassy field	Glacial Till	siltstone	<5	2016/7/21	SC	61% mud/silt, 20% rounded pebbles of siltstone, 15% sand, 5% organics
S685024	381411.75	7090683.84	9	1250.8 b	40	Gentle	brown	N	grassy field	Glacial Till	siltstone	<5	2016/7/21	SC	62% mud/silt, 20% rounded pebbles of siltstone, 15% sand, 5% organics
S685025	381467.12	7090683.25	9	1243.6	25	Gentle	brown	N	grassy field	Glacial Till	gr, gy, mr siltstone	<5	2016/7/21	SC	80% green, gy, mr siltstone argillically alt clasts forming a matrix to 20% sand and <1% rounded pebbles
S685026	381512.77	7090677.94	9	1236.6	25	Gentle	brown	N	grassy field	Glacial Till	gr, gy, mr siltstone	<5	2016/7/21	SC	81% green, gy, mr siltstone argillically alt clasts forming a matrix to 20% sand and <1% rounded pebbles
S685027	381551.81	7090671.49	9	1230.4 b	20	Gentle	brown	N	grassy field	Glacial Till	siltstone	<5	2016/7/21	SC	20% <2cm diam grey, rounded siltstone pebbles, 30% coarse siltstone sand, 30% silt, 20% mud
S685028	381614.25	7090673.39	9	1225.8 b	60	Gentle	brown	N	grassy field	Glacial Till	siltstone	<5	2016/7/21	SC	21% <2cm diam grey, rounded siltstone pebbles, 30% coarse siltstone sand, 30% silt, 20% mud, minor organics
S685029	381660.43	7090670.49	9	1216.7 B-c	60	Gentle	brown	N	spruce	Glacial Till	siltstone	<5	2016/7/21	SC	20% siltstone rounded pebbles, 25% coarse sand, 15% fine sand, 40% silt/mud
S685030	381712.18	7090666.36	9	1210.9 B-c	50	Gentle	Orange-brown	N	spruce	Glacial Till	siltstone	<5	2016/7/21	SC	immediate area is covered by 20cm to 2m diam rounded boulders. 25% rounded siltstone pebbles, 40% sand, 25% silt, 20% mud. Colour change to grey-brown @ b-c
S685031	381757.54	7090669.45	9	1206.6 B-c	45	Gentle	brown	N	spruce and marsh	Glacial Till		<5	2016/7/21	SC	50% coarse sand, 10% pebbles, 40% depth, wet
S685032	381807.26	7090667.9	9	1198.9 B-c	40	Gentle	brown	N	spruce and marsh	Glacial Till		<5	2016/7/21	SC	51% coarse sand, 10% pebbles, 40% depth, wet
S685033	381859.25	7090668.7	9	1191.7 B-c	40	Gentle	brown	N	spruce and marsh	Glacial Till		<5	2016/7/21	SC	52% coarse sand, 10% pebbles, 40% depth, wet
S685034	381913.97	7090670.94	9	1183.0 b	35	Gentle	brown	N	spruce and marsh	Glacial Till	maroon siltstone	<5	2016/7/21	SC	30% rounded pebbles of siltstone, 10% sand, 40% silt, 20% mud

S685035	381965.05	7090648.4	9	1181.3 c	50	Gentle	grey	N	spruce and marsh	Glacial Till	argillically alt siltstone	<5	2016/7/21	SC	80% slick-grey-fissile-soft siltstone altered to kaolinite? Sericite? 20% small grey aphanitic pebbles. Alteration intense here
S685036	382037.4	7090648.16	9	1191.2 b	30	Gentle	grey	N	willows	Morraine		<5	2016/7/21	SC	10% pebbles (rounded). 80% coarse to fine sand, mostly coarse, 10% silt and mud. Poor sample material
S685037	382074.81	7090653.57	9	1197.2 b	31	Gentle	grey	N	willows	Morraine		<5	2016/7/21	SC	11% pebbles (rounded). 80% coarse to fine sand, mostly coarse, 10% silt and mud. Poor sample material
S685038	382115.56	7090645.67	9	1196.0 c	35	Gentle	dark brown	N	Buck-brush	sandy till		<5	2016/7/21	SC	20% pebbles, 60% sand, 20% silt/mud
S685039	382169.13	7090650.51	9	1191.9 c	35	Gentle	dark brown	N	Buck-brush	sandy till		<5	2016/7/21	SC	21% pebbles, 60% sand, 20% silt/mud
S685040	382220.32	7090636.93	9	1190.2	10	Gentle	brown	N	marsh	alluvium		<5	2016/7/21	SC	mud in waterpool, settled on top of coarse boulders. Marshy area, difficult sampling
S685041	382262.67	7090638.82	9	1189.0 b	60	Gentle	Orange-brown	N	marsh	Glacial Till		<5	2016/7/21	SC	20% <1cm diam rounded pebbles siltstone, 45% coarse sand
S685042	382317.81	7090643.71	9	1195.0 c	40	Gentle	grey	N	buck-brush	Talus/Col-luvium		<5	2016/7/21	SC	grey, maroon, beige altered siltstone chips to about 60%, 40% clay mud
S685043	382297.97	7090438.51	9	1214.5 c	45	Gentle	brown	N	and buck-brush	Talus/Glacial Till	maroon shale	<5	2016/7/21	SC	10% rounded pebbles (<1cm diam), 10% angular maroon shale clasts, 40% clay mud, 40% coarse sand
S685044	382245.55	7090440.81	9	1214.0 c	50	Gentle	grey-brown	N	and buck-brush	Glacial Till	sandstone	<5	2016/7/21	SC	60% clay mud, 15% coarse well-rounded sand, 15% pebbles of siltstone and sst, well rounded, 10% silt
S685045	382191.89	7090441.1	9	1210.7 c	40	Gentle	brown	N	60 clay	Glacial Till	siltstone	<5	2016/7/21	SC	60% clay mud, some rounded small pebbles, 20% coarse sand
S685046	382147.63	7090458.17	9	1205.6 c	41	Gentle	brown	N	60 clay	Glacial Till	siltstone	<5	2016/7/21	SC	61% clay mud, some rounded small pebbles, 20% coarse sand
S685047	382095.05	7090446.17	9	1201.5 B-c	60	Gentle	brown	N	35 silt	Glacial Till	siltstone	<5	2016/7/22	SC	35% coarse rounded sand (mostly siltstone), 20% rounded pebbles, 20% silt, 25% mud, no colour change in soil profile
S685173	381098.35	7090495.71	9	1278.4 C	40	Gentle	light brown	N	Buck Brush	slope sed	siltstone	<5	2016/7/21	SD	Clay
S685174	381147.45	7090500.19	9	1273.1 C	50	Gentle	light brown	N	Buck Brush	slope sed		<5	2016/7/21	SD	Clay
S685175	381198.14	7090497.34	9	1263.0 C	30	Gentle	Brown	N	Buck Brush	slope sed		<5	2016/7/21	SD	Clay
S685176	381250.48	7090493.31	9	1259.0 C	40	Gentle	Light brown	N	Buck Brush	slope sed	Shale	<5	2016/7/21	SD	Clay
S685177	381299.24	7090492.52	9	1253.7 C	30	Gentle	Greyish brown	N	Buck Brush	slope sed		<5	2016/7/21	SD	Clay
S685178	381347.7	7090492.32	9	1245.3 C	50	Gentle	Dark to brown	N	Spars forest	slope sed	shale	<5	2016/7/21	SD	Sandy
S685179	381396	7090492.32	9	1240.0 C	60	Gentle	Orange rusty	N	Spars forest	slope sed	siltstone	<5	2016/7/21	SD	Sandy
S685180	381451.9	7090477.84	9	1230.8 C	40	Gentle	Dark to brown	N	Spars forest	Talus	arkose	<5	2016/7/21	SD	Sandy
S685181	381498.26	7090481.07	9	1227.7 C	50	Gentle	Tan to brown	N	Spars forest	Slope sed	arkose	<5	2016/7/21	SD	Muddy
S685182	381548.5	7090478.83	9	1222.4 C	40	Gentle	Orange to Brown	N	Spars forest	Slope sed	arkose	<5	2016/7/21	SD	Muddy

S685183	381599.23	7090475.24	9	1220.8 C	60 Gentle	light brown	N	90 silt	Spars forest	Slpope sed	<5	2016/7/21 SD	Muddy
S685184	381646.33	7090473.68	9	1217.1 C	70 Gentle	Dark to brown	N	90 clay	Spars forest	Slpope sed	<5	2016/7/21 SD	Muddy
S685185	381696.62	7090475.82	9	1210.7 C	60 Gentle	Tan to brown	N	90 sand	Spars forest	Slpope sed	<5	2016/7/21 SD	Clay
S685186	381747.88	7090470.41	9	1196.0 C	70 Gentle	Dark to brown	N	90 clay	Spars forest	Slpope sed	<5	2016/7/21 SD	Clay
S685187	381797.98	7090471.29	9	1189.5 C	50 Gentle	Tan to brown	N	80 sand	Spars forest	Slpope sed	Shale <5	2016/7/21 SD	Silty
S685188	381853.16	7090461.8	9	1177.5 C	40 Gentle	Greyish brown	N	40 silt	Spars forest	Slpope sed	Shale <5	2016/7/21 SD	Sandy
S685189	381399.53	7090386.56	9	1233.0 C	70 Gentle	Greyish blue	N	60 clay	Spars forest	Slpope sed	Shale <5	2016/7/21 SD	Clay
S685190	381347.17	7090388.39	9	1239.7 C	40 Gentle	Dark to brown	N	60 clay	Buck Brush	Slpope sed	<5	2016/7/21 SD	Sandy
S685191	381296.58	7090393.23	9	1245.3 C	40 Gentle	Tan	N	80 clay	Buck Brush	Slpope sed	<5	2016/7/21 SD	Caly
S685192	381249.33	7090396.82	9	1252.7 C	50 Gentle	light brown	N	80 silt	Buck Brush	Slpope sed	<5	2016/7/21 SD	Silty
S685193	381200.27	7090400.11	9	1259.7 C	50 Gentle	Tan	N	50 silt	Buck Brush	Slpope sed	<5	2016/7/21 SD	Silty
S685194	381150.8	7090402.47	9	1270.3 C	50 Gentle	Tan	N	50 silt	Buck Brush	Slpope sed	<5	2016/7/21 SD	Silty
S685195	381099.9	7090407.92	9	1275.8 C	80 Gentle	Dark to brown	N	80 clay	Buck Brush	Slpope sed	<5	2016/7/21 SD	Silty

Sample No	Location	Easting	Northing	Nad 83 Zone	Elev (m)	Sample	Width (m)	Date	Sampler	Comments
S685401	Mars N'E	381821.25	7090482.93	9	1190.602	Out crop		2016/7/21 13:54	WJ	vein pour white, 1 cm wide geenerally. Fractured shale, phyllite with pale clay and limit silica alteration.
S685402	Mars N'E	381819.19	7090456.91	9	1191.888	Out crop		2016/7/21 14:16	WJ	Sampled from high au in soil spot area. 2 cm pale quartz vein in grey shale. Weak sericite and carbonate alteration. Host in grey shale along with structure foliation.
S685403	Mars N'E	381816.24	7090445.2	9	1191.734	Out crop		2016/7/21 14:17	WJ	Sampled from high au in soil spot area. Pale quartz vein float with dark shale clust patches.
S685404	BL zone	362331.48	7111857.9	9	925.5	Out crop		2016/7/26 17:01	WJ	BL zone, Fine siltstone in brown color, carbonate semented with iron staining.
S685405	BL zone	362790.49	7111394.48	9	918.4	Float		2016/7/26 17:01	WJ	BL zone, Grey to green marine shale with patches of iron staining.
S685406	BL zone	362911.13	7111095.67	9	901.2	Float		2016/7/26 17:01	WJ	BL zone, Grey - redish shale with quartz veining cut parallel to bedding. Iron staining and carbonate alteration. From out crop or a large boulder.
S685407	BL zone	362749.12	711018.44	9	899.8	Float		2016/7/26 17:01	WJ	BL zone, Arkose with quartz carbonate veining frames cut through. Strongly iron staining in both veining and arkose.
S685408	Mars N'E	381462.93	7089915.87	9	1229.199	Pit grab		2016/7/22 20:47	SC/WJ	Sample from a 1 m wide cut at camp site. Pale shale 60 degree foliation, looks east dipping. Clay and carbonate weakly altered.
S685409	B zone	401258.77	7090676.73	9	1535.058	Out crop		2016/7/23 14:14	SC/WJ	Sample at B zone. A breccia zone 20 meter more wide cross cut 325 degree trending bedding. Breccia zone composed of limestone with quartz carbonate veining developed.
S685410	B zone	401264.48	7090652.25	9	1529.932	Out crop		2016/7/23 14:20	SC/WJ	Sample at B zone. A breccia zone 20 meter more wide cross cut 325 degree trending bedding. Breccia zone composed of limestone with quartz carbonate veining developed.
S685411	B zone	401342.81	7090898.64	9	1510.845	Out crop		2016/7/23 14:41	SC/WJ	Sample at B zone. 1-2 meter pour white quartz vein host in grey to dark grey colored medium to thick bedded dolostone. Quartz vein 40 degree trending SE dipping 44 degree. Fresh quartz vein irregular width and dipping. Similar quartz vein near by contain spotted stibnite and galena copper.
S685412	Misty Zone	389104.49	7110478.71	9	1531.872	Float		2016/7/23 15:16	SC/WJ	Sample at Misty Zone. Brown colored siltstone float with occasionally quartz veining cut through. Weakly iron staining around quartz veining.
S685413	Misty Zone	389344.58	7110496.45	9	1480.055	Float		2016/7/23 15:22	SC/WJ	Sample at Misty zone. Carbonate breccia with clasts of limestone dolostone and less siltstone, cemented with white calsite. Sampled at a telus pile at north side of a steep limestone slope.
S685414	Misty Zone	389419.69	7110549.98	9	1477.735	Float		2016/7/23 15:26	SC/WJ	Sample at misty zone.limestone breccia float with hematite and limenite staining.
S685415	Emer zone	355445.55	7121093.28	9	1500.695	Out crop		2016/7/23 16:29	SC/WJ	Sample at Emer property. Slated limesiltstone bedding. Limenite staining with carbonate staining. Nw trending 300 degree. NE dipping at 66 degree.
S685416	Emer zone	355743.55	7121009.28	9	1499.695	Out crop		2016/7/23 16:29	SC/WJ	Muddy shale, strongly limenite and hematite staining. 300 degree trending near verticle bedding structure.
S685451	High Gold Zone	381831.86	7089176.85	9	1329.25	Float		2016/7/20 16:29	SC/WJ	Sample at high gold zone, Quartz vein float with blabs of disseminated sulfide mainly composed of asenopyrite and pyrite. Quartz vein floats appear as small boulders desperat along seapage area.
S685452	High Gold Zone	381822.78	7089175.96	9	1303.91	Float		2016/7/20 16:29	SC/WJ	Sample at high gold zone, Quartz vein float with blabs of disseminated sulfide mainly composed of asenopyrite and pyrite. Quartz vein floats appear as small boulders desperat along seapage area.
S685453	High Gold Zone	381825.05	7089172.2	9	1307.5	Float		2016/7/20 16:29	SC/WJ	Sample at high gold zone, Quartz vein float with blabs of disseminated sulfide mainly composed of asenopyrite and pyrite. Quartz vein floats appear as small boulders desperat along seapage area.
S685454	High Gold Zone	381825.63	7089169.5	9	1302.17	outcrop		2016/7/20 16:29	SC/WJ	from a small pit of grey shale with weakly clay and carbonate alteration or fresh. 50-60 cm clarence of surface debris materials.
S685455	Collisto Zone	381469.13	7089968.27	9	1223.15	trench samp 60 cm		2016/7/22 16:29	SC/WJ	Glacia till, overburden light tan in color composed of shale slate and siltstone debris and boulders. Weak sericite, clay alteration.
S685456	Collisto Zone	381469.13	7089968.27	9	1223.15	trench samp 40 cm		2016/7/22 16:29	SC/WJ	Glacia till, brown in color layer with composition of mineralized silica dominated debris. pebbles.

S685457	Collisto Zone	381469.13	7089968.27	9	1223.15 trench samp 95 cm	2016/7/22 16:29	SC/WJ	Glacia till mixture materials of mineralized 20 cm thick materials and overburden un mineralized shale and siltstone.
S685458	Collisto Zone	381469.13	7089968.27	9	1223.15 trench samp 55 cm	2016/7/22 16:29	SC/WJ	Glacia till, light brown in color composed of shale slate and siltstone debris and boulders. Weak sericite, clay alteration.
S685459	Collisto Zone	381469.13	7089968.27	9	1223.15 trench samp 25 cm	2016/7/22 16:29	SC/WJ	Glacia till, overburden light tan in color composed of shale slate and siltstone debris and boulders. Weak sericite, clay alteration.
S685460	Collisto Zone	381469.13	7089968.27	9	1223.15 trench samp 75 cm	2016/7/22 16:29	SC/WJ	Yellow to brown layered glaciattill with composition of mineralized debris in thin layers. Mineralization occur in lower part with debris of silica quartz veining mostly see fine grained stibnite and arsenopyrite in dissemination.
S685461	Collisto Zone	381469.13	7089968.27	9	1223.15 trench samp 25 cm	2016/7/22 16:29	SC/WJ	Light grey glacia till composed of debris of shale, siltstone and pebble of arenite. Weakly clay and sericite alteration.
S685462	Collisto Zone	381469.13	7089968.27	9	1223.15 trench samp 60 cm	2016/7/22 16:29	SC/WJ	Yellow to brown layered glaciattill with composition of mineralized debris in thin layers. Mineralization occur in lower part with debris of silica quartz veining mostly see fine grained stibnite and arsenopyrite in dissemination.
S685463	Collisto Zone	381469.13	7089968.27	9	1223.15 trench samp 35 cm	2016/7/22 16:29	SC/WJ	Light grey glacia till composed of debris of shale, siltstone and pebble of arenite. Weakly clay and sericite alteration.
S685464	Collisto Zone	381469.13	7089968.27	9	1223.15 trench samp 50 cm	2016/7/22 16:29	SC/WJ	Yellow to brown layered glacia till with composition of mineralized debris in thin layers. Mineralization occur in lower part with debris of silica quartz veining mostly see fine grained stibnite and arsenopyrite in dissemination.
S685465	Collisto Zone	381469.13	7089968.27	9	1223.15 trench samp 15 cm	2016/7/22 16:29	SC/WJ	Light grey glacia till composed of debris of shale, siltstone and pebble of arenite. Weakly clay and sericite alteration.
S685466	Collisto Zone	381479.83	7089961.09	9	1222.673 Grab	2016/7/22 16:29	SC/WJ	Trench boulder grab sample. Quartz vein boulder white to pale in color. Eregular quartz grains quartz vein. Blabs of desseminate stibnit minerals and fine arsenopyrite, 1-2 % in whole rock percentage.
S685467	Collisto Zone	381478.1	7089962.29	9	1222.433 Grab	2016/7/22 16:29	SC/WJ	Trench boulder grab sample. Quartz vein boulder white to pale in color. Eregular quartz grains quartz vein. Blabs of desseminate stibnit minerals and fine arsenopyrite, 1-2 % in whole rock percentage.
S685468	Collisto Zone	381478.78	7089962.97	9	1222.914 Grab	2016/7/22 16:29	SC/WJ	Pour white epithermal quartz with vuggys, and blabs of fine grained arsenopyrite and stibnite.
S685469	Collisto Zone	381477.27	7089964.25	9	1222.673 Grab	2016/7/22 16:29	SC/WJ	Pale fine grained quartz in vein boulder with fine grained arsenopyrite and stibnite in 5% in all volumn.
S685470	Collisto Zone	381473.24	7089964.96	9	1221.952 Grab	2016/7/22 16:29	SC/WJ	White quartz vein with blabs of pyrite donimated sulfide minerals 2% in volumn. Iron staining in brown coating.
S685471	Collisto Zone	381470.78	7089965.43	9	1221.712 Grab	2016/7/22 16:29	SC/WJ	White quartz vein with blabs of pyrite and arsenopyrite donimated sulfide minerals 2-3 % in volumn. Iron staining in brown coating.
S685472	Collisto Zone	381477.14	7089962.74	9	1222.193 Grab	2016/7/22 16:29	SC/WJ	White quartz vein with blabs and disseminated of pyrite and arsenopyrite donimated sulfide minerals 3-5 % in volumn. Iron staining in brown coating.
S685473	B Zone	400654.64	7090271.19	9	1630.51 Talus	2016/7/23 16:29	SC	Sandstone with coarse white quartz vein with <1% galena
S685474	B Zone	400711.86	7090479.98	9	1580.521 Float	2016/7/23 16:29	SC	qtz vein breccia, angular clasts of fine grained grey silicified slate with 3% vfg dissemonated pyrite. Sampled grey slate and qtz
S685475	B Zone	400737.77	7090509.06	9	1567.303 Float	2016/7/23 16:29	SC	breccia, qtz vein, black carbon and sooty sulfide in slate clasts, now grainy and totally decalsified or fenerally sanding due to volume loss. Float near to qtz breccia outcrop in black slate
S685476	Emer zone	355886.61	7121070.22	9	1498.69 Outcrop	2016/7/23 16:29	SC	fissile, bright red earthy hematite stained throughoit, weakly calcareois mudstone. 1 meter wide jorizon in light grey momotonous limy mudstone and limestone

QMD1987

Anthill Resources - Einarson
Certificate of Work

Item	Cost/unit
Helicopter hour	1600
Float Plane	11
Hotel	103.95
Data preparing & procession & report	1400
Lab assay	35
wages - geologist 1	500
wages - geologist 2	400
wages - Prospector 1	400
wages - Prospector 2	400
Car rental	0.62
Fuel for Heli (190 liters per hour)	3.88
Field expense for geologists	70
Other tools rental	90
Generator rental	10
Total	



n Mars NE Project - HM03193 657 Claims

rk - Statement of Expenditures

Num. (hour, unit, day, mile,km, liter)	Subtotal
6.6	\$10,560.00
532	\$6,144.60
3	\$311.85
8	\$11,200.00
100	\$3,500.00
6	\$3,000.00
5	\$2,000.00
5	\$2,000.00
5	\$2,000.00
162	\$100.44
152	\$589.76
6	\$420.00
5	\$450.00
5	\$50.00
	\$42,326.65