Technical Report on the MR Project Area (MR 1-26 and MFW 1-22 claims)

NTS 105B08
Watson Lake Mining Division
Yukon Territory, Canada
60º16'N Lat., 130º16'W Long.

Funded Under Grant YMEP-16-094
Yukon Mineral Exploration Program
(Focused Regional Module)

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SUMMARY

The MR Project area ("Project") is centered approximately 27 km northeast of Rancheria, Yukon, and roughly 13 km northwest of the nearest point on the Alaska Highway. The Project includes the **Meister South zone** (including Hairsine MINFILE occurrence; 105B 138) and surrounding territory. The area is thought to be prospective for shear-vein, syngenetic and replacement style manto Ag-Pb-Zn deposits (also known as carbonate replacement deposits, or "CRD") hosted in a carbonate and clastic sedimentary sequence of the Cassiar terrane, which has been intruded into the west by the mid-Cretaceous Cassiar batholith. The sediments include the Kechika, Sandpile, McDame and Earn groups. Nearby examples of these deposits include the Silvertip (Midway) deposit located approximately 20 km south of the Alaska Highway in British Columbia, which has been developed by JDS Silver, and which is expected to enter commercial production in early 2017.

After additional staking in 2016, the MR project now comprises the MR 1-28 claim block (approximately 560 Ha) and the MFW 1-22 claim block (approximately 440 Ha). The claims are crossed by rough roads and trails that require only minor work to make them fully accessible by ATV and heavier equipment.

The 2016 field program took place over a span of 4 days (June 20, August 11, 12, and 14, 2017) in conjunction with other work in the area. Work completed include soil sampling, and prospecting to follow-up on existing targets and other soil anomalies derived from assessment reports. In addition, to assist with future access, a day was spent scouting and completing minor rehabilitation (clearing rocks and deadfall) along the 39 km Spencer Creek-Meister road and other ATV trails that access the site. This including work completed on the MR 1-14 (15 rock samples, 9 soils) and MR 15-26 blocks (23 soil samples) as reported in their respective Certificates of Work.

In addition, work was completed prior to staking and recording of the adjoining MR-27-28 (9 soils) and nearby MFW 1-22 claims (42 soils). Since this work was completed after recording, the costs were not claimed for assessment credit. Nevertheless, for completeness and simplicity, this report covers all the work completed in 2016 on all the MR and MFW claims.

Soil and rock sampling in 2016 was successful in confirming and enhancing several soil and bedrock occurrences of Ag-Pb-Zn (+/-Au-As-Sb-In-Sn) mineralization. The most promising targets examined in 2016 include the following.

MR Claims - South zone Area 2. Mineralization discovered by Regional Resources comprised smithsonite and hydrozincite-bearing iron and manganese oxides in oxidized limestone. Positive Zn and Pb values were returned from this historical work including 3 m grading 6.55% Zn and 4.0% Pb in Trench 23, 20 m grading 5.05% Zn, 1.97% Pb and 4.1 g/t Ag in Trench 11 and 6 m grading 3.4% Zn and 4.4% Pb in DDH 86-12 (Donkersloot and Stammers, 1986; and Stammers, 1986).

Four soil and 11 rock samples were collected from Area 2 in 2016 to follow-up on anomalous rock and soil values from limited sampling in 2015. Maximum values in rock for 2016 rock samples are 1.865% Pb, 1.56% Zn and 1.1 ppm Ag. Maximum soil values for 2015 and 2016 are 0.94 ppm Ag, 961 ppm Pb, and 2140 ppm Zn. Values for Au, As, Cu, Sb, Sn and In were generally low.

The style of mineralization at South zone Area 2 appears to be stratabound Zn-Pb oxide mineralization in limestone. Although historic trenching and drilling returned encouraging widths and grades of oxide Zn-Pb mineralization, values in Ag, Au, Sn and In and other potential by-products is low, and no further work is recommended at this time.

Au, >10,000 ppm As, 145 ppm Bi, 1765 ppm Cu, 8.86 ppm Ga, **141.5 ppm In**, >10,000 P, **30% Pb**, 496 ppm Sb, **0.47% Sn** and 8200 ppm Zn.

The mineralized shear vein structure is 0.5 m in width and can be traced for approximately 5 m in the floor of the trench where it is lost under rubble at both ends. It strikes 070 (ENE), dips steeply south, and is comprised of quartz, calcite, galena, iron oxide and scorodite, and is hosted by a buff phyllite.

2015 soil sampling in this area returned values of up to 4.34 ppm Ag, 352 ppm Pb, >10,000 ppm Zn, 3.3 ppm Sn and 1.34 ppm In. A single 2016 soil sample (AMS024), collected about 100 m NE of the bedrock mineralization noted above, returned anomalous values of 1.24 ppm Ag, 252 ppm Pb, 1120 ppm Zn, 150.5 ppm As, 0.839 ppm In, and 2.4 ppm Sn.

The association of Ag-Pb-Zn with Au-Cu-Sn-In values is quite different than mineralization at Zone 2 and appears to be related to NE-trending, high-grade shear-vein structures. Additional tight grid soil sampling and detailed mapping is recommended in South zone Area 3, to be followed by excavator trenching to confirm structural orientations, and diamond drilling of mineralized structures.

MR Claims - Hairsine area. 19 soil samples (DMS016 to 034) were collected in 2016 along a cat road southeast of Area 3. Maximum values returned were 2.46 ppm Ag, 135 ppm As, 0.512 ppm In, 365 ppm Pb (with 8 samples >200 ppm), 8.73 ppm Sb (with 4 samples >5 ppm), and 831 ppm Zn (with 9 samples >500 ppm). The anomalous values occur over a distance of 600 m along the road.

Although the values in soils are not quite as high, the metal association at Hairsine is similar to that at Area 3 and is indicative of stratabound, manto-style CRD or vein-type Ag-Pb-Zn mineralization. The MR 27-28 claims were added to protect this target. No previous trenching or drilling has taken place in this area, Additional detailed soil sampling and prospecting is recommended, followed by excavator drilling and trenching.

MFW claims – Farwest anomaly. The MFW 1-22 claims were staked in August 2016 to cover the historic Farwest anomaly with values up to 3600 ppm lead, 19 ppm silver and 2400 ppm zinc, which can be traced discontinuously over 1500 m. The 2016 soil sampling confirmed the core of the very strong anomaly over a strike length of more than 700 m. The anomaly is centred on a large meadow with quartzite, phyllite and marble outcrops nearby. The soil is locally iron and manganese stained. 2016 soil values are as follows:

For Ag, 12 of 42 soil returned >2.0 ppm Ag, with maximums of 4.56, 6.66, and 17.95 ppm.
For Pb, 8 of 42 soils returned >200 ppb, with a maximum of 348 ppm.
For Zn, 7 of 42 soils returned >500 ppm, with a maximum of 1580 ppm.

Values of As and Sb are also anomalous with maximum values in soil of 143.5 and 10.65 ppm respectively. Au, Sn and In values were not anomalous. The association of Ag with Pb-Zn-As-Sb is indicative of high-grade vein, stratabound or manto-style CRD Ag-Pb-Zn deposits. The nearby presence of marble outcrops is indicative of an environment similar to the Silvertip mine.

No drilling has been completed on the Farwest anomaly which remains unexplained and deserving of more work. The high values of Ag, Pb, Zn, As and Sb associated with iron and manganese staining on soil and rock fragments suggest the source may be deeply weathered. Alternatively, the anomaly may be transported, however, the terrain is quite subdued and the meadow is dry (not a swamp) so it appears highly unlikely the anomaly is has moved far. Additional detailed soil sampling, prospecting and mapping is recommended for Farwest, followed by overburden drilling and diamond drilling.

General

INTRODUCTION

This report documents the exploration work completed on the MR Project area ("Project") between June 20 and August 14, 2016.

The exploration program consisted of collection of 83 soil samples and 15 rock samples, and scouting and minor rehabilitation of the 39 km Spencer Creek-Meister River road and other rough roads and trails on the project. The program was completed by senior geologist's Adam Travis and Michael Cathro and senior prospector Donald Coolidge.

PROJECT LOCATION, INFRASTRUCTURE AND ACCESS

The MR (Meister River) target area is centered 27 km northeast of Rancheria in the Watson Lake Mining Division and roughly 11 km northwest of the nearest point on the Alaska Highway (Figures 1 and 2). It is located on NTS map sheet 105B08. The target area is centered at approximately 60º16'N Lat., 130º16'W Long. Fuel, mechanical service, meals and accommodation are available at the Rancheria travel lodge.

In terms of access and infrastructure, the project area lies to the north of the Alaska Highway approximately 90 km west of Watson Lake. Several ATV trails and cat trenches cross the MR claims and can be accessed from the 39 km Spencer Creek-Meister River road / ATV trail which joins with the Alaska Highway about 30 km east of Rancheria. The property can also be accessed by helicopter from permanent bases in Watson Lake or alternatively from seasonal bases that are sometimes located much closer.

There is no electrical power in the area, except for diesel generators in Watson Lake and a private run-of-river micro-hydro system which supplies the Rancheria travel lodge.

The newly developed, road-accessible Silvertip Ag-Pb-Zn mine and mill of JDS Silver (Photo 1) is located 38 km south of MR in British Columbia. Overall, the proximity to all-weather roads and newly developed mining infrastructure makes the MR project area an attractive site for possible future development.

CLAIM STATUS, OWNERSHIP AND LAND USE

The MR 1-14 and 15-26 claim blocks were staked on August 29-30, 2015 and March 15, 2016 respectively, by a partnership of Mike Cathro (Cathro Resources Corp.), Adam Travis and Don Coolidge. The MR 27-28 were added to the MR block on August 12, 2016 by Don Coolidge. The nearby MFW 1-22 claims were staked by the partners on August 14, 2016.

All the claims in the MR1-28 and MFW 1-22 blocks are held in trust for the partnership with each of the three partners holding a 1/3 interest.

To the northwest of the MR 1-28 claims, the Meister 1-26 claims are held by Archer, Cathro and Associates (1981) Limited (an unrelated party) on behalf of Strategic Metals Ltd. (Figure 2). Those claims cover the Meister River Zn-Pb-Ag occurrence (MINFILE 105B 114), another manto-type occurrence.

The claims are located in the Watson Lake Mining District, within the asserted traditional territory of the Kaska Dena Council. On February 1, 2017, the Yukon government established an order-in-council prohibiting staking in this portion of the Kaska asserted traditional territory in Yukon, but outside of the Ross River area, until April 30, 2017. The staking prohibition only applies to new claims. Existing claims and mining activities on those claims, including the MR 1-28 and MFW 1-22 blocks, are not affected by the staking prohibition. Pursuant to the Quartz Mining Act, the Yukon government granted one year of relief from annual representation (assessment) work for these claims.

A full list of the MR and MFW claims with their new expiry dates, incorporating work documented in this report plus the one year of relief described above, is included below as Table 1.

The claims also fall within the Watson Lake Class 1 Notification Area, whereby notification must be given to government for low-level exploration work, including activities such as trenching, drilling, blasting, bulk sampling, camps, heli-pads and other structures.

According to the Yukon Mining Map Viewer, there are no Parks, Protected areas, First Nations Settlement or Interim Protected Areas, land tenures or other withdrawals affecting the MR and MFW claims.

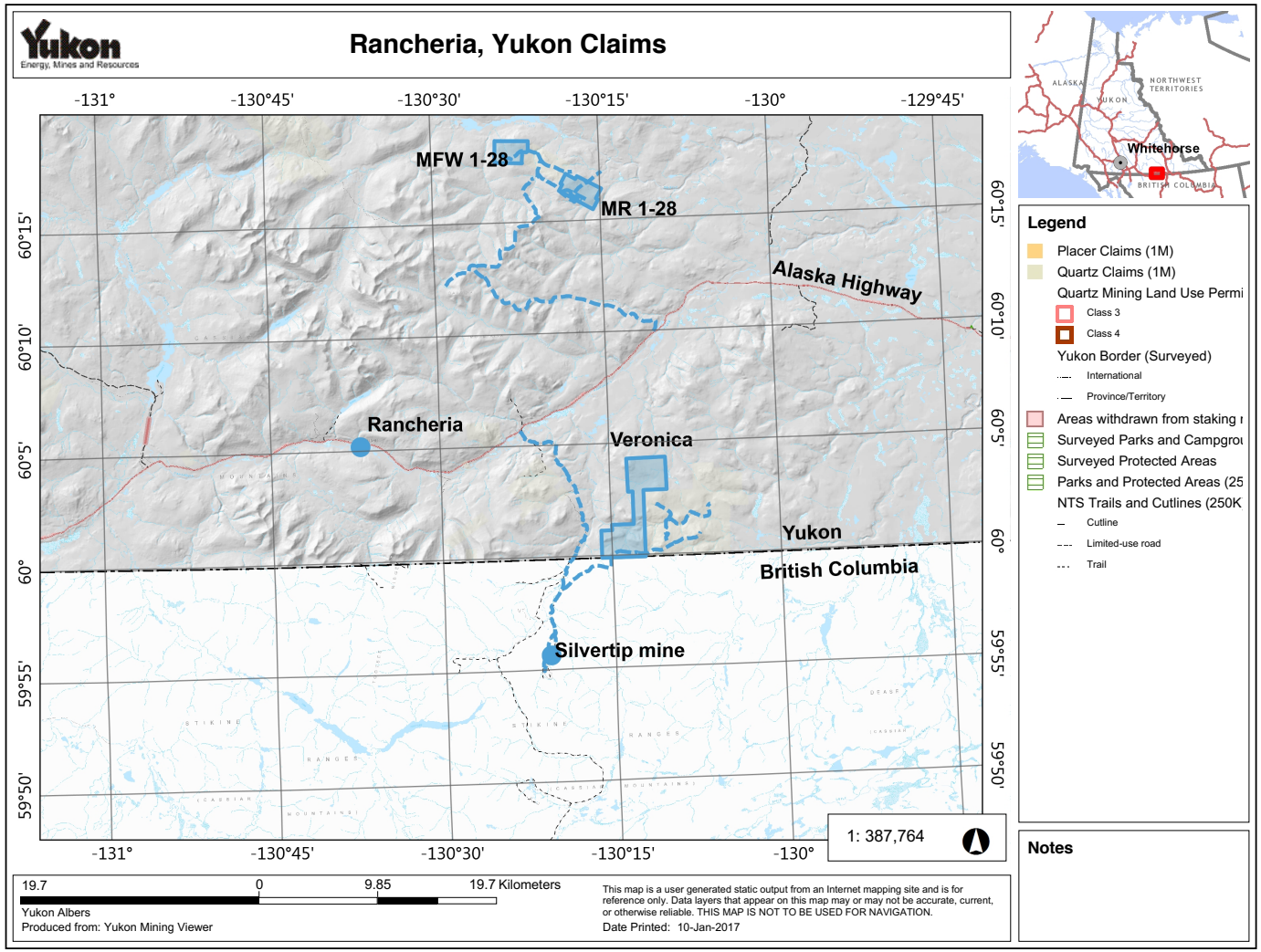

Figure 1. Location map of the Rancheria area, showing the MR and MFW claim blocks in relation to the Alaska Highway, other roads, and the Silvertip mine.

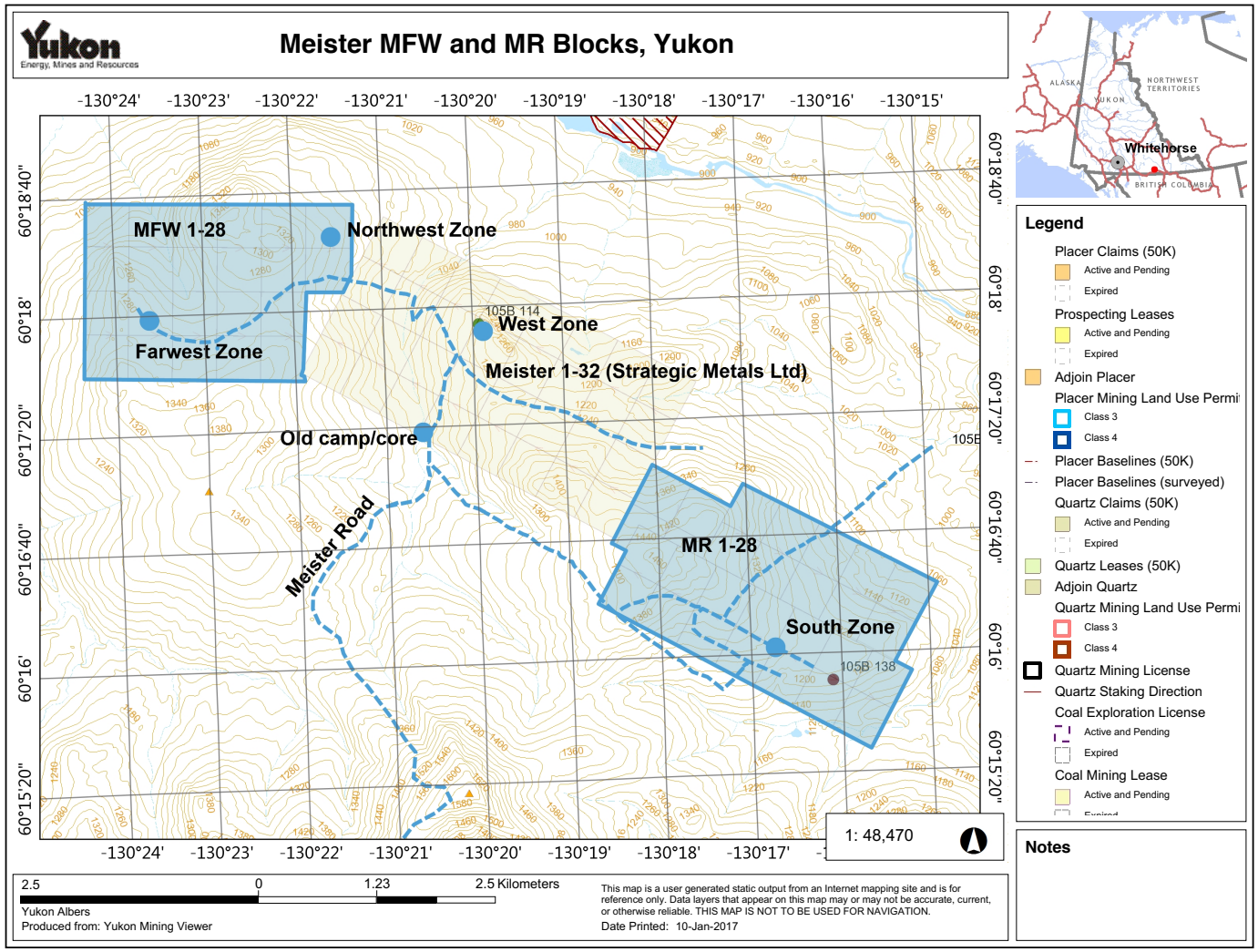

Figure 2. Location maps of the MR 1-28 and MFW 1-22 claims, also showing key roads and the location of the old camp and core storage facility.

Table 1: MR 1-28 and MFW 1-22 quartz claims

Grant Number	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Expiry Date
YF40495	MR	1	Adam Travis – 100%	2015-09-21	2015-08-29	2018-09-21
YF40496	MR	2	Adam Travis – 100%	2015-09-21	2015-08-29	2018-09-21
YF40497	MR	3	Adam Travis – 100%	2015-09-21	2015-08-29	2018-09-21
YF40498	MR	4	Adam Travis – 100%	2015-09-21	2015-08-29	2018-09-21
YF40499	MR	5	Adam Travis – 100%	2015-09-21	2015-08-29	2018-09-21
YF40500	MR	6	Adam Travis – 100%	2015-09-21	2015-08-29	2018-09-21
YF40501	MR	7	Adam Travis – 100%	2015-09-21	2015-08-29	2018-09-21
YF40502	MR	8	Adam Travis – 100%	2015-09-21	2015-08-29	2018-09-21
YF40503	MR	9	Adam Travis – 100%	2015-09-21	2015-08-29	2018-09-21
YF40504	MR	10	Adam Travis – 100%	2015-09-21	2015-08-29	2018-09-21
YF40505	MR	11	Adam Travis – 100%	2015-09-21	2015-08-30	2018-09-21
YF40506	MR	12	Adam Travis – 100%	2015-09-21	2015-08-30	2018-09-21
YF40507	MR	13	Adam Travis – 100%	2015-09-21	2015-08-30	2018-09-21
YF40508	MR	14	Adam Travis – 100%	2015-09-21	2015-08-30	2018-09-21
YF47604	MR	15	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YF47605	MR	16	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YF47606	MR	17	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YF47607	MR	18	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YF47608	MR	19	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YF47609	MR	20	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16

Table 1: MR 1-28 and MFW 1-22 quartz claims (continued)

Grant Number	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Expiry Date
YF47610	MR	21	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YF47611	MR	22	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YF47612	MR	23	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YF47613	MR	24	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YF47614	MR	25	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YF47615	MR	26	Don Coolidge – 33.34%, Adam Travis – 33.33%, Cathro Resources Corporation – 33.33%	2016-03-16	2016-03-15	2022-03-16
YE85889	MR	27	Donald C Coolidge – 100%	2016-08-16	2016-08-12	2018-08-16
YE85890	MR	28	Donald C Coolidge – 100%	2016-08-16	2016-08-12	2018-08-16
YF81621	MFW	1	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81622	MFW	2	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81623	MFW	3	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81624	MFW	4	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81625	MFW	5	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81626	MFW	6	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81627	MFW	7	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81628	MFW	8	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81629	MFW	9	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81630	MFW	10	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81631	MFW	11	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81632	MFW	12	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16
YF81633	MFW	13	Donald C Coolidge – 100%	2016-08-16	2016-08-14	2018-08-16

Table 1: MR 1-28 and MFW 1-22 quartz claims (continued)

Grant Number	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Expiry Date
YF81634	MFW	14	Donald C Coolidge - 100%	2016-08-16	2016-08-14	2018-08-16
YF81635	MFW	15	Donald C Coolidge - 100%	2016-08-16	2016-08-14	2018-08-16
YF81636	MFW	16	Donald C Coolidge - 100%	2016-08-16	2016-08-14	2018-08-16
YF81637	MFW	17	Donald C Coolidge - 100%	2016-08-16	2016-08-14	2018-08-16
YF81638	MFW	18	Donald C Coolidge - 100%	2016-08-16	2016-08-14	2018-08-16
YF81639	MFW	19	Donald C Coolidge - 100%	2016-08-16	2016-08-14	2018-08-16
YF81640	MFW	20	Donald C Coolidge - 100%	2016-08-16	2016-08-14	2018-08-16
YF81641	MFW	21	Donald C Coolidge - 100%	2016-08-16	2016-08-14	2018-08-16
YF81642	MFW	22	Donald C Coolidge - 100%	2016-08-16	2016-08-14	2018-08-16

TARGET AND RATIONALE

The target in the Rancheria - Meister area is syngenetic and replacement style Ag-Pb-Zn deposits hosted in a carbonate and clastic sedimentary sequence of the Cassiar terrane, which has been intruded into the west by the mid-Cretaceous Cassiar batholith. The sediments include the Kechika, Sandpile, McDame and Earn groups. Nearby examples of these deposits include the Silvertip Ag-Pb-Zn mine (Midway deposit) located approximately 20 km south of the Alaska Highway in British Columbia (Figure 3).

These are economically attractive commodities and deposit types in an area of Yukon that is relatively well serviced by infrastructure, and close to ports in Skagway and Haines, Alaska.

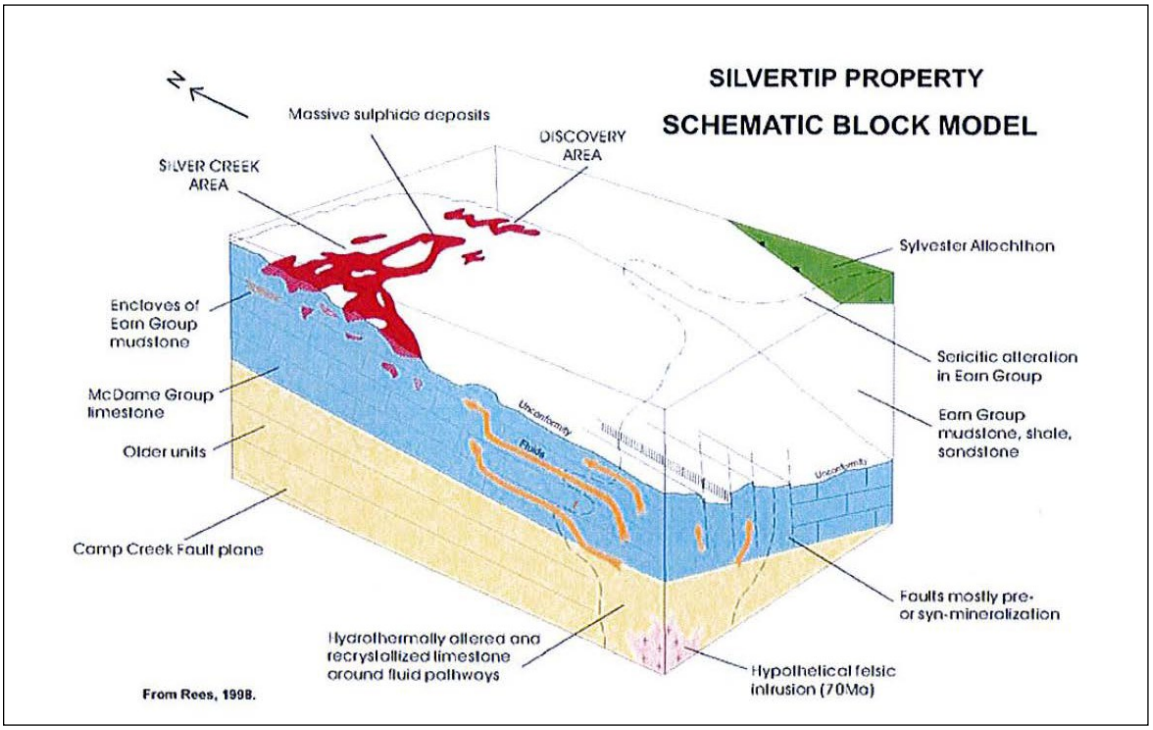

Figure 3: Silvertip Schematic Block Model

REGIONAL AND PROJECT GEOLOGY

The Rancheria – Meister area is situated in the northern Omineca Belt of the Canadian Coordillera. The Cassiar Terrane is the most important element in the region and is comprised of Upper Proterzoic through Middle Devonian carbonate and clastic sedimentary rocks formed on a marine platform on the ancient continental margin of western North America (Cassiar Platform) and overlying Devono-Missippian rift related clastics (Earn Group).

Structurally overlying the Cassiar Terrane is a tectonic assemblage of marginal basin and island arc sediments and igneous rocks of the Upper Paleozoic Sylvester allochthon. The region was moderately deformed by folding and faulting and thrust faulting in the Jurassic and later by extensional and dextral faulting in the Late Cretaceous to early Tertiary. The Cassiar Batholith, a large granite to granodiorite intrusion of mid- Cretaceous age, lies west of the area. Small intrusions and related hydrothermal alteration of possibly Late Cretaceous age are minor but important features in the region.

The main mineral deposits are syngenetic barite =/- lead, zinc prospects in Paleozoic sediments, and skarn and manto or carbonate replacement deposits (CRD) related to Cretaceous intrusions. An account of mineralization in the Rancheria district including the Silvertip area is given by Abbott (1983).

Geological mapping of the Meister area was completed by Roddick and Green (1959) and Amukan and Lowey (1987). Detailed geological mapping of the MR 1-28 and MFW 1-22 claims was completed by Regional Resources Ltd. between 1981 and 1985 (Sanguinetti, 1983; Stammers, 1985).

According to Stammers (1985):

> "*the regional geology is based on mapping in the Wolf Lake sheet (105B) by Poole, 1951-1955 and Roddick and Green, 1959 of the Geological Survey of Canada.*
>
> *The MR property is located within a folded, faulted and metamorphosed belt of Lower Cambrian and Earlier sedimentary rocks set in Omineca Crystalline terrain of the northern Cassiar Mountains. The Meister granodiorite stock is located immediately northeast of the MR claims.*
>
> *The oldest rocks described by the geological survey are comprised of quartzite, minor slate and phyllite, quartz grit and fine pebble conglomerate. The oldest member of this map unit, a massive to thick-bedded clean quartzite and grit is known elsewhere in the Yukon as the Haydrinian "Grit Unit".*
>
> *The younger sequence of rocks in the MR property area includes limestone, minor dolomite, slate and phyllite. The upper member of this sequence, located in the extreme southern MR claim is correlative with the Atan Group of northern British Columbia.*
>
> *The contact with rocks of the Cassiar Batholith is located 14 kilometers west of the MR property.*

SOUTH ZONE GEOLOGY

*The MR property geology has been described previously by others in **3** earlier reports by Cordilleran Engineering* [Sanguinetti, 1983; Sanguinetti and Youngman, 1982; Verley and Sanguinetti, 1982].

This report describes the preliminary geology of the South Zone and is based on detailed outcrop and float mapping. In addition, lithological information was made available by rock chip samples collected from the overburden drilling.

Two principal geological units have been recognized in the South Zone: an older Lower Clastic (LC) and a younger Upper Clastic and Carbonate (UC). Both the Lower and Upper Clastic units have been subdivided into several distinct map or litho-units [see Figure 4].

Unit LC, the Lower Clastic is comprised of three litho-units. The first sub-unit is comprised of massive ortho-quartzite, conglomeratic quartzite, quartzite and rusty, thin to medium bedded arkosic quartzite with minor inter-beds of muscovite and chlorite phyllite. This unit out-crops in the northwest grid area and is probably correlative to the Hadrynian, "Grit Unit" (Windermere Super-Group) found elsewhere in the northern cordillera.

Moving upsection to the south, this mainly quartzite subunit becomes increasingly interbedded with brown weathering muscovite-sericite +quartz +chlorite phyllite or schist.

Further to the southeast and upsection the Lower Clastic phyllite lithologies dominate quartzite members as the transition to the Upper Clastic and Carbonate geological unit is approached. The Upper Clastic and Carbonate geological unit is comprised of limestone, carbonaceous to graphitic phyllite, calcareous phyllite, and muscovite-sericite phyllite. The phyllite litho-units locally occur as mineralogically equivalent schist lithologies.

The limestone, unit UC_L appears to occur at different stratigraphic levels and varies from being light grey and massive to medium bedded and tan weathering. Limestone is locally metamorphosed to marble.

Carbonaceous to graphitic phyllite, unit UCGp, occurs as a discrete map unit in the southwest grid area and as interbeds with limestone in the southeastern grid area.

Calcareous phyllite, unit UCCp, occurs generally as interbeds with limestone in the southeast grid area. This lithounit is variably carbonaceous, moderately to strongly calcareous and is locally moderately to strongly crenulated.

Muscovite-sericite-quartz +chlorite phyllite, unit UC_{MP} is interbedded with limestone and stratigraphically overlies the Lower Clastic quartzite and phyllite geological unit.

Summarizing the geology, a quartzite-phyllite Lower Clastic unit (LC) is overlain by an interbedded limestone and carbonaceous, to calcareous phyllite, Upper Clastic and Carbonate member (UC).

An accurate interpretation of the South Zone structural geology is hampered by poor rock exposure. Metasedimentary rocks on the MR property have undergone several stages of deformation. In the South Zone, folding is apparent at the outcrop scale and at a larger scale as portrayed by the inferred, south plunging anticlines seen on Plate 1. In addition, evidence of faulting in the northwest grid area includes a prominent topographical linear and slickensided outcrop facies."

The UC units at MR are interpreted to be correlative with the McDame Group in the Silvertip area.

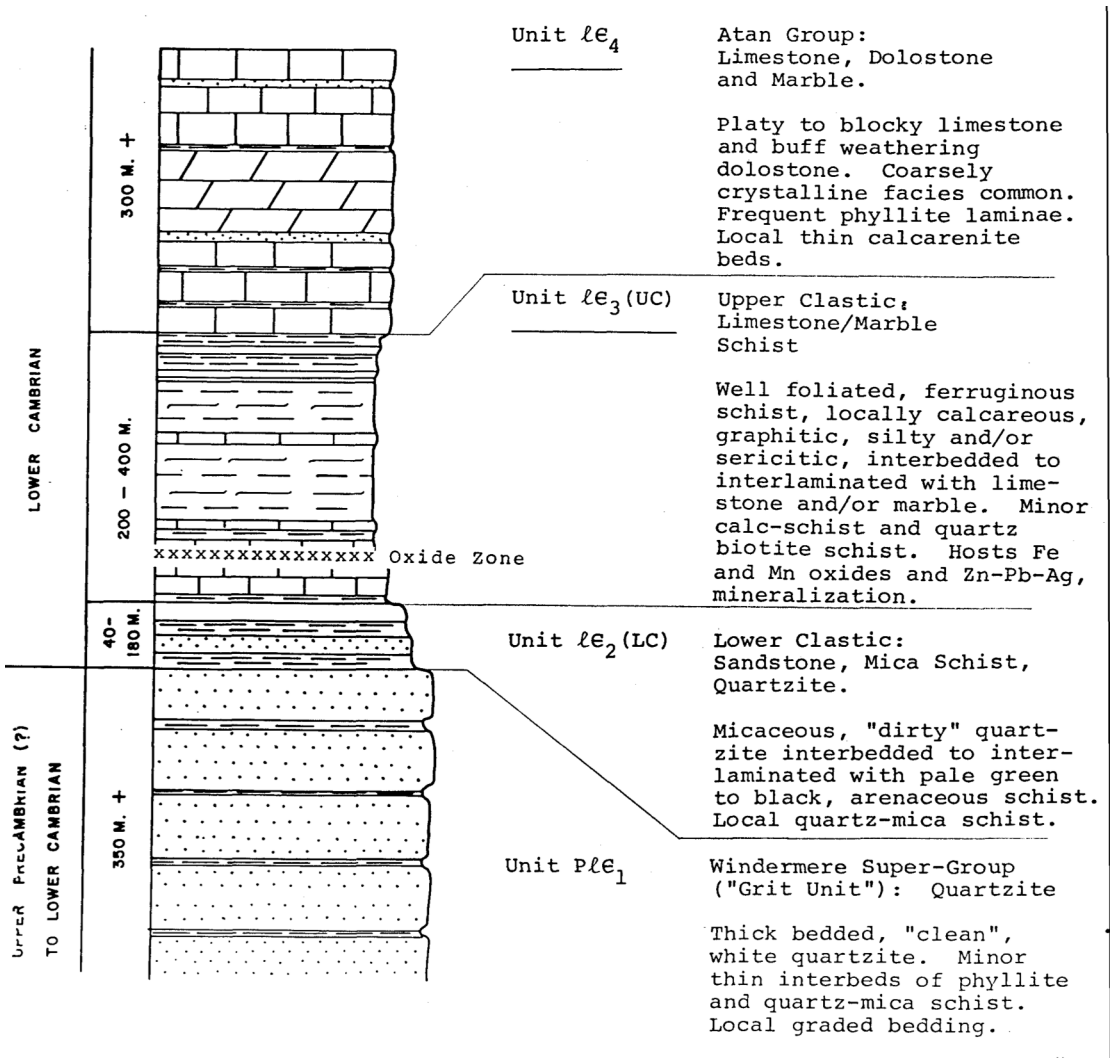

Figure 4. Stratigraphic Section, MR claims (Sanguinetti, 1983).

SILVERTIP DEPOSIT

The following summary is taken primarily from BC MINFILE. The Silvertip (Midway) deposit is located near the Tootsee River in the Cassiar Mountains just south of the Yukon-British Columbia border (Figure 1). Several discrete deposits occur in a carbonate and clastic sedimentary sequence of the Cassiar terrane, which has been intruded into the west by the mid-Cretaceous Cassiar batholith. The sediments include the Kechika, Sandpile, McDame and Earn groups. The deposits are situated on the west limb of a broad, open, northwest trending synclinorium, the core of which is occupied by volcanics, sediments and ultramafic rocks of the Devonian-Triassic Sylvester Allochthon.

Massive sulphide zones in the Silvertip deposits occur in limestones of the upper part (Unit MLS) of the mid-Devonian McDame Group (Figure 3). This unit is unconformably overlain by clastic sediments of the Upper Devonian-Mississippian Earn Group, which consists of two upward-coarsening sequences of turbiditic flows. Several exhalative horizons, consisting of fine- grained massive to laminated silica and/or barite, with pyrite, sphalerite and minor galena occur in the Earn Group sediments. Two of these, the Upper and Discovery zones, occur near the base of the second cycle, and contain lead-zinc-silver mineralization. Sulphides within the exhalite zones are restricted in extent although exhalites are wide-spread and may be stratigraphically correlatable.

The McDame/Earn groups contact is a pronounced erosional surface, with carbonates below the contact strongly affected by Late Devonian karstification. The unconformity cuts across 165 metres of McDame limestone stratigraphy near the deposit. Uplift and erosion and karst development in Late Devonian time was accompanied by high-angle block faulting, which made the carbonates a better aquifer for meteoric waters. Breccias at Midway include carbonate mosaic breccias, and solution-collapse breccias which include Earn Group clasts. Vein mineralization occurs throughout the McDame and Earn groups. Veins vary from hairline fractures to 20-centimetre widths, and consist of quartz, calcite, pyrite, galena and sphalerite.

Mafic dykes of unknown age occur in the Midway area, and are commonly sericitized in the vicinity of the deposits. Potassium-argon dating of sericitized Earn Group sediments and quartz feldspar porphyry dykes about 2 km southeast of the deposit give ages of about 66 million years. The source of mineralizing fluids has not been identified, although the high silver content of the deposits and tin mineralization indicate a probable magmatic origin. Earn Group mudstones above the unconformity locally confined mineralizing fluids to the underlying limestones, with sulphide deposition occurring as open-space filling and replacement of carbonates.

The Silver Creek zone contains two high-grade core zones, Silver Creek North and Silver Creek South. Massive sulphide mineralization consists of pyrite (and associated marcasite and pyrrhotite), sphalerite and galena, with lesser freibergite, pyrargyrite, argentite, boulangerite, stannite, arsenopyrite, cassiterite, chalcopyrite and quartz-carbonate gangue. Lead sulphantimonides have also been identified. Sulphide textures indicate several phases of brecciation, replacement and open-space drusy growth. The southern part of the zone is characterized by freibergite and pyrargyrite and very fine-grained colloform pyrite, while the northern part is marked by abundant lead sulphantimonides and by the absence of freibergite, pyrargyrite, pyrrhotite and coliform pyrite (Assessment Report 13259).

The Discovery deposit occurs about 300 metres east of the Silver Creek North core zone. Massive and brecciated sulphides occur in several zones in the McDame limestones. Mineralization consists of

pyritic, pyrrhotitic and base-metal massive sulphide (greater than 50% sphalerite and galena) zones. These zones vary in thickness from 0.2 to 2.3 metres. Sulphides also occur as matrix to both sulphide and carbonate clast breccias. "Trash" breccias commonly occur toward the base of mineralized intersections. Metal distribution relations are not well known for the Discovery deposit (Assessment Report 13259). It is now known that the Silver Creek and Discovery zones are actually the same with a lower grade mineralized zone in between.

Imperial Metals Corp. reported that a drilling program outlined 2 new zones of high grade, massive sulphide mineralization. High-grade, near-surface mineralization was intersected immediately north of the Silver Creek zone in an area now called the Silver Creek Extension zone. The second new zone, Discovery North, is 150 metres north of the Discovery zone (T. Schroeter, personal communication, 1997).

Silvertip Mining Corporation, a subsidiary of Imperial, submitted an Environmental Assessment Application in 1998. Dewatering of the underground workings was initiated in October 1999 and completed before the end of November. All rehabilitation was completed before year end with the drilling equipment on site and ready to be mobilized in the first week of January 2000. A total of 3210 metres of diamond drilling was completed in early February 2000.

Silver Standard Resources acquired the Project in 2002. Silvercorp Metals Inc. acquired the Project in February 2010 and released an updated resource estimate (Table 2). JDS Silver Inc. purchased the project from Silvercorp in late 2013 and in June 2015 announced approval to start mine construction. Mine construction was underway in summer and fall 2016 and commercial production is expected in early 2017 (Photo 1).

Table 2. Silvertip Resource Estimate (from Cullen, 2010).

Resource	Class	AgEq	Tonnage	Ag gpt	Pb%	Zn%
		Cutoff		Grade	Grade	Grade
Total Classified Resource	IND	>200	2.349,055	352.00	6.73	9.41
	INF	>200	459,896	343.00	6.18	9.81
	Total	**>200**	**2,808,951**	**350.53**	**6.64**	**9.48**

Resource estimate excerpted from 'NI43-101 Technical Report Resource Update on the Silvertip Property, Northern British Columbia Canada for Silvercorp Metals Inc.', Feb. 19, 2010 by R.D. Cullen P.Geo (available on SEDAR).

HISTORICAL WORK

The Meister River property, including the current MR 1-28 and MFW 1-22 claims, was explored by Regional Resources Ltd. and partner Getty Canadian Minerals, Limited from 1981 to 1986 with gridding, mapping and prospecting, aerial photography, soils, gravity, EM and IP geophysics, trenching, pitting, overburden drilling, diamond drilling and road building. These programs are described in assessment reports by Verley and Sanguinetti, 1982, Sanguinetti and Youngman, 1982; Sanguinetti, 1984; Donkersloot and Stammers, 1986; and Stammers, 1986. The work by Regional Resources covered the Meister River West, East, South, Farwest and other zones, however only the South and Farwest zones, covered by the MR and MFW claims, are considered here. Travis (2016) reported on prospecting and soil sampling conducted by the partners under YMEP grant 15-096.

MR-1-28 Claims

The MR claims include the Hairsine Minfile, and the Meister South zone, which includes 4 targets known as Areas 1 to 4 (Figures 5 and 6). The South zone is underlain by Lower Cambrian sequence of quartzite, intercalated graphitic and calcareous phyllte and limestone. Mineralization consists of four zones of smithsonite and hydrozincite bearing oxide float and gossanous quartz-mica phyllite or iron and manganese rich oxide float. In addition to soil sampling, mapping, and geophysical surveys, Areas 1 to 4 in the South zone were explored with a total of 297 m of sonic overburden drilling in 231 holes (Sanguinetti, 1984), 2528.5 m of bulldozer trenching in 23 trenches (Stammers, 1986), and 1726.39 m of drilling in 14 holes (Donkersloot and Stammers, 1986).

At Area 1, overburden drilling collected a samples from the bedrock surface with values of 5.8% Pb, 0.14% Zn, and 15 g/t Ag in rusty quartzite, and 0.02% Pb, 0.25% Zn, and 1.4 g/t Ag in limestone with no visible sulphides. This target also has highly anomalous soils over 400 m and a weak IP anomaly. Chip sampling in Trench 5 returned 1.5 m grading 12.5% Pb, 0.21% Zn and 5.8 g/t Ag (Stammers, 1985).

At Area 2, initial prospecting encountered no mineralization on surface, however, overburden hole #203 returned 2.85% Zn, 0.18% Pb, and 1.4 g/t Ag in oxidized limestone. This target was also noted to have anomalous soils over 600 m and a very significant sulphide-related phase IP anomaly (Stammers, 1985). The best trench and diamond drill results included:

South Zone Area 2 (Donkersloot and Stammers, 1986; and Stammers, 1986)

Trench 23	3 m grading 6.55% Zn, 4.0% Pb
Trench 11	**20 m grading 5.05% Zn, 1.97% Pb, 4.1 g/t Ag**
Trench 20	0.5 m grading 10.8% Zn, 2% Pb, 6.5 g/t Ag
DDH 86-12	6 m grading 3.4% Zn, 4.4% Pb
DDH 86-15	1.0 m grading 2.4% Zn, 0.56% Pb

At Area 3, replacement oxide bodies with remnant sulphides were exposed at the contact between the upper clastic and limestone unit and underlying metasedimentary rocks. Overburden drill holes returned 0.74% Pb, 0.32% Zn, and 19.9 g/t Ag in one hole, and 0.24% to 5.6% Zn in five other holes (Stammers, 1985). Other trench and diamond drill results include:

South Zone Area 3 (Donkersloopt and Stammers, 1986; and Stammers, 1986)

Trench 13	3.0 m grading 6.5% Zn
Trench 16	1.5 m grading 8.8% Pb, 0.36 Zn, **501 g/t Ag**
Trench 15	9.0 m grading 5.5% Zn
Trench 15	1.0 m grading 1.91% Pb, 0.27% Zn, 146 g/t Ag, 0.69 g/t Au
Trench 17	Grab sample returned **4559.9 g/t Ag (133 oz/ton), 80.1% Pb**
DDH 86-20	4.0 m grading 4.1% Zn, 0.1% Pb, 6.9 g/t Ag
	And 3.0 m grading 4.2% Zn, 25.7 g/t Ag

Also at Area 3, bedrock grab samples collected in 2015 from a 0.5 m wide vein structure in Trench 17 returned up to **749 g/t Ag (21.8 oz/ton), 1.3 g/t Au, 32% Pb, 0.9% Zn, 0.24% Sn, and 360 ppm In** (Travis, 2016). The tin and indium values are newly recognized potential by-products for the Ag-Pb-Zn veins here and warrant additional sampling and assays.

At Area 4, a trench sample returned 6 m grading 0.27% Pb, 0.2% Zn, and 72.3 g/t Ag. A single hole was drilled to follow-up on an IP anomaly and the surface mineralization but returned insignificant values.

Photo 2. Historic cat trenching at Areas 2 and 3 in the Meister South zone, MR claims.

MFW 1-22 Claims

The MFW 1-22 claims were staked in 2016 to cover the Meister Farwest Ag-Pb-Zn soil anomaly, which was previously outlined by Regional (see Plates 2, 3 4). According to Sanguinetti (1983):

> *Reconnaissance* [backhoe] *trenching in the Farwest Zone was conducted to investigate the source of several oxide float boulders found near 400W, 3300N. Soil sampling had indicated a widespread discontinuous lead-silver (-zinc) anomaly extending from approximately 600W to 600E and from 3000N to 3800*N [1500 m in strike length; see Plates 2, 3 and 4 of this report]. *Maximum soil values were* ***3600 ppm lead, 19 ppm silver and 2400 ppm zinc****. A total of 15 pits were dug, none of which succeeded in locating further mineralization. The strongest soil anomalies are situated in areas of open meadows* [Photo 3]*; pits dug at these sites failed to reach bedrock. Within the overburden minor amounts of iron and manganese oxide stainings were noted in yellow-brown clayey silt, in addition to phyllite, marble and quartzite boulders. Outcrops of l€* [Lower Cambrian] *phyllite, mica schist and marble occur within this area. Other pits near these outcrops also contained manganese and iron oxide staining in silt horizons and on phyllite and marble boulders.*

No drilling has been completed on the Farwest anomaly, and the anomaly remains unexplained.

Photo 3. Grassy meadow within Farwest Pb-Ag-Zn anomaly, MFW claims.

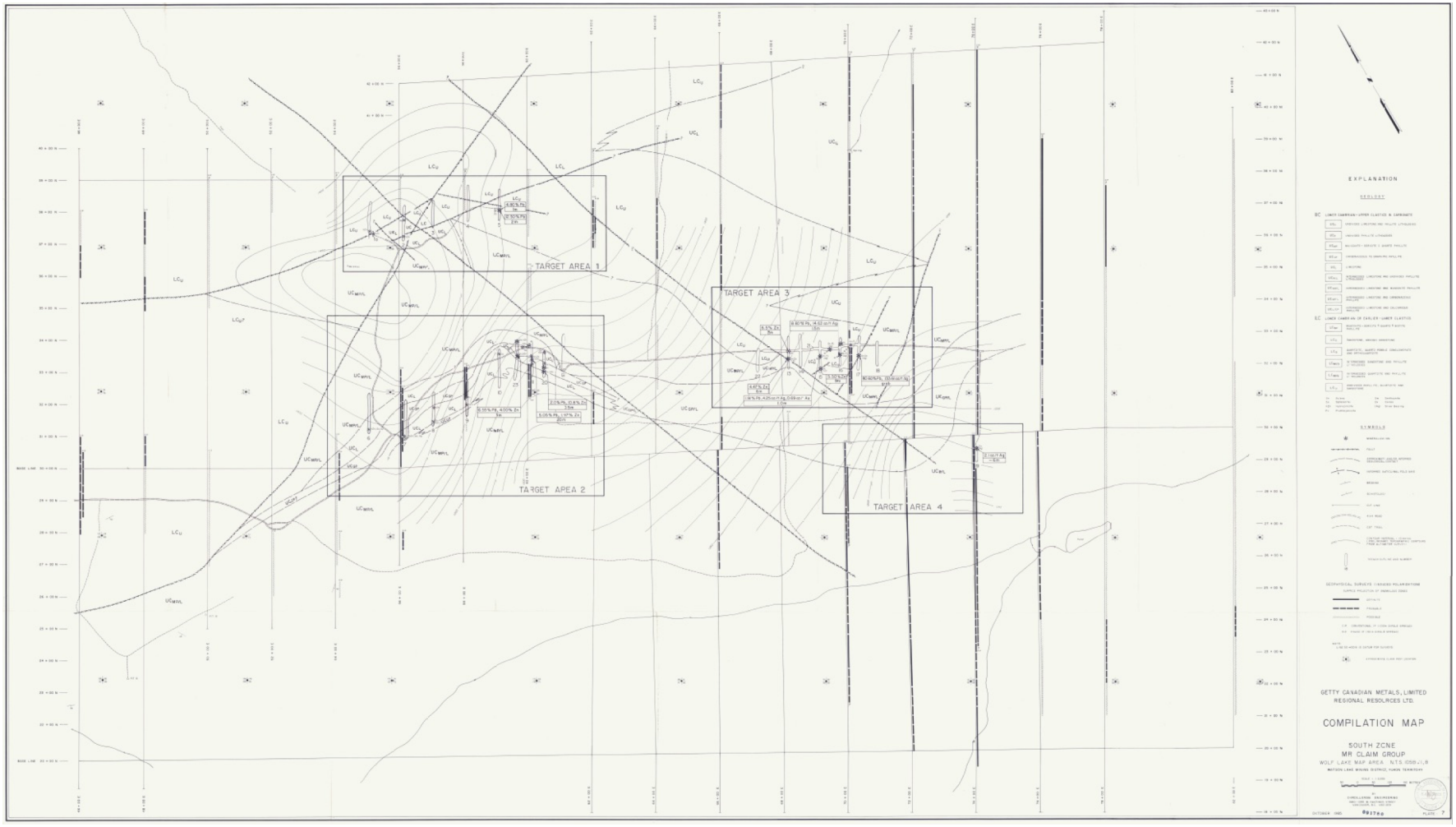

Figure 5. Trench results from Target Areas 1-4, Meister South zone (Stammers, 1986).

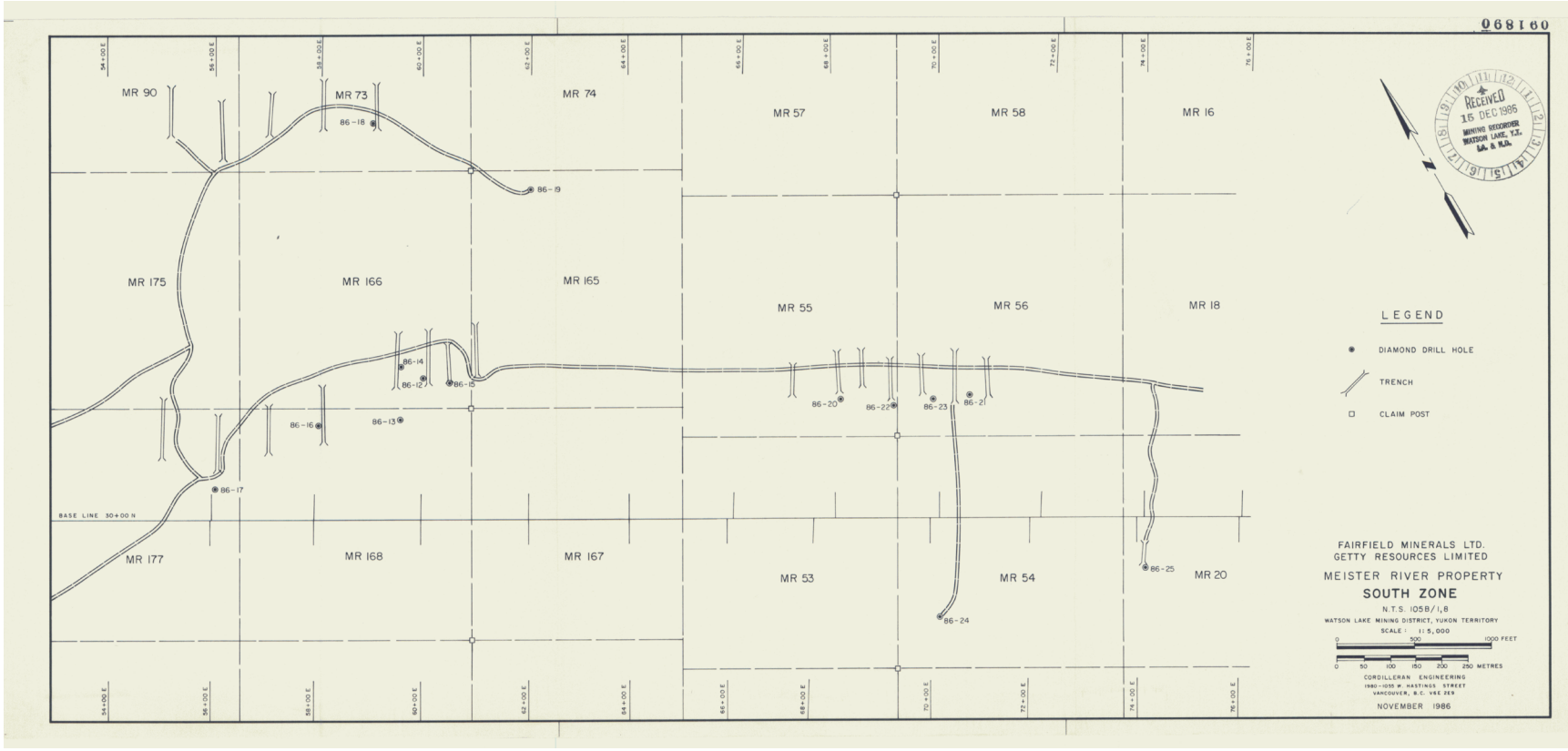

Figure 6. Diamond drill plan, Areas 1 to 4, Meister South zone (Donkersloot and Stammers, 1986).

2016 EXPLORATION PROGRAM

The field program took place over a span of four days between June 20th and August 14th, 2016 and consisted of prospecting, collection of 41 soil samples and 15 rock samples on the MR 1-28 claims, collection of 42 soil samples on the MFW claims, and scouting and minor rehabilitation of the Spencer Creek-Meister River road (Photo 3) and other rough roads and trails on the property. The program was completed by senior geologists Adam Travis and Michael Cathro and senior prospector Donald Coolidge. Access was primarily by helicopter chartered from Tundra Helicopters of Watson Lake, and by ATV from the Alaska Highway on the Spencer Creek-Meister Creek road.

The ATV road scouting determined that the Spencer Creek-Meister Creek road is a bit rough and overgrown at its start near the Alaska Highway, but that is passable for about 35 km by ATV to an old exploration camp and core storage facility roughly 2 km west of the western edge of the MR 9 claim (Photos 4 and 5). Unfortunately, a portion of the road fork which takes off to the MR 1-26 is washed out near the core storage facility (Photo 6), and would require some hand or machine work to rehabilitate (Plate 2). An alternate cat trail (crossing the neighboring Meister 2,4,6,8 and 10 claims of Archer, Cathro) was cleared of deadfall and could be followed to within a few hundred metres of the NW corner of the MR 12 claim (Plate 2). Core racks at the core storage facility are collapsed and core will be difficult to recover, however, the holes from the Meister South Zone were determined to be stored here (Photo 5).

A road, passable by ATV, was also followed toward the newly staked MFW 1-22 claims. It fords a prominent creek on the adjacent Meister 29 claim and then heads NW where it splits and becomes overgrown and impassable towards the MFW claim block. Nevertheless, it is shown on maps to head NW and then westerly onto the MFW 21, 19, 10, 8, 5, 3, and 4 claims (Plates 2). With a little bit of hand clearing this trail should be usable for access to the main MFW Ag-Pb-Zn soil anomaly described below.

Roads and cat trails in the main Meister South target (MR 1-8 claims, Photo 2, Plates 2) are in good shape and will be passable by ATV, once minor deadfall is removed and the wash-out is fixed near the Core Storage Facility (Plate 2).

Photo 4 (left). Spencer Creek – Meister River access road.
Photo 5 (right). Old camp near MR and MFW claim blocks, August 11, 2016.

Photo 6. Meister River core storage facility, including core from Meister South zone.

A total of 83 soil samples were collected as part of the program; 41 from the MR claims and 42 from the MFW claims. A 10 to 30 cm hole was dug by mattock following which B or C horizon soil was collected and put in a craft bag labeled with the sample number. Locations were recorded on handheld GPS units. Notes were recorded in a field book, including colour, depth, horizon and other features, for later transfer into excel tables. Soil samples were dried in camp before shipping to the lab.

15 rock samples were collected from the MR claims. In general samples were grabs or short chip samples of bedrock or float specimens in trenches or along roads. Samples were put in labeled and sealed poly bags for later shipment to the lab. Descriptions were recorded in a field notebook. All samples were stored in a secure vehicle in camp and then delivered by commercial courier or personal vehicle to the ALS Minerals lab in Whitehorse.

The location of 2016 rock and soil samples are shown with sample number labels on Plate 1, along with samples taken in 2015 (unlabeled). Compilations of 2015 and 2016 and historic results for Ag, Pb, and Zn are shown on Plates 2, 3, and 4 respectively. Plate 2 also shows notations of road conditions and other notable sites.

Soil and rock sample descriptions, locations and results are included in Appendix 2. Sample preparation and analyses were completed at ALS Minerals laboratories in Whitehorse and Vancouver. Rocks were crushed to 90% passing 2mm, with a 500 g split pulverized to 95% passing 106 microns. Soils were dried and screened to -180 microns.

For both rocks and soils, gold was determined by 30 g fire assay fusion followed by aqua regia digestion and an ICP-AES finish. All other elements were determined by ultra-trace ICP-MS following aqua regia digestion. Overlimit values for Ag, Pb, and Zn were determined four acid digestion and ICP-AES. Overlimit Sn values were determined by XRF. Lab assay certificates can be found in Appendix 3.

RESULTS, INTERPRETATION AND RECOMMENDATIONS

Soil and rock sampling in 2016 was successful in confirming and enhancing several soil and bedrock occurrences of Ag-Pb-Zn (+/-Au-As-Sb-In-Sn) mineralization. Additional MR and MFW claims were staked to cover these anomalies (Plates 1-4). Targets examined in 2016 include the following.

MR Claims - South zone Area 2. Mineralization discovered by Regional Resources comprised smithsonite and hydrozincite-bearing iron and manganese oxides in oxidized limestone. Positive Zn and Pb values were returned from this historical work including 3 m grading 6.55% Zn and 4.0% Pb in Trench 23, 20 m grading 5.05% Zn, 1.97% Pb and 4.1 g/t Ag in Trench 11 and 6 m grading 3.4% Zn and 4.4% Pb in DDH 86-12 (Donkersloot and Stammers, 1986; and Stammers, 1986).

Four soil and 11 rock samples were collected from Area 2 in 2016 to follow-up on anomalous rock and soil values from limited sampling in 2015. Maximum values in rock for 2016 rock samples are 1.865% Pb, 1.56% Zn and 1.1 ppm Ag. Maximum soil values for 2015 and 2016 are 0.94 ppm Ag, 961 ppm Pb, and 2140 ppm Zn. Values for Au, As, Cu, Sb, Sn and In were generally low.

The style of mineralization at South zone Area 2 appears to be stratabound Zn-Pb oxide mineralization in limestone. Although historic trenching and drilling returned encouraging widths and grades of oxide Zn-Pb mineralization, values in Ag, Au, Sn and In and other potential by-products is low, and no further work is recommended at this time.

MR Claims - South zone Area 3. Historical work by Regional Resources identified replacement oxide bodies with remnant sulphides exposed at the contact between the upper clastic and limestone unit and underlying metasedimentary rocks. High-grade Ag-rich mineralization was also discovered in narrow NE-trending shear veins. Highlight historic results include 1.5 m grading 8.8% Pb, 0.36 Zn, and **501 g/t Ag** in Trench 16, 9.0 m grading 5.5% Zn and 1.0 m grading 1.91% Pb, 0.27% Zn, 146 g/t Ag, 0.69 g/t Au in Trench 15, a grab sample which returned **4559.9 g/t Ag (133 oz/ton), 80.1% Pb in Trench 17**, and 4.0 m grading 4.1% Zn, 0.1% Pb, 6.9 g/t Ag and 3.0 m grading 4.2% Zn, 25.7 g/t Ag in DDH 86-20 (Donkersloot and Stammers, 1986; and Stammers, 1986).

A grab sample of greenish oxidized bedrock in a trench, collected by the author in 2015, returned **32% Pb, 749 ppm Ag**, 0.9% Zn, **0.24% tin (Sn), 1.3 g/t Au**, 0.19% Cu and **360 ppm indium (In)**. In 2016, four additional samples were collected from this structure and returned up to **936 ppm Ag**, 0.37 ppm Au, >10,000 ppm As, 145 ppm Bi, 1765 ppm Cu, 8.86 ppm Ga, **141.5 ppm In**, >10,000 P, **30% Pb**, 496 ppm Sb, **0.47% Sn** and 8200 ppm Zn.

The mineralized shear vein structure is 0.5 m in width and can be traced for approximately 5 m in the floor of the trench where it is lost under rubble at both ends. It strikes 070 (ENE), dips steeply south, and is comprised of quartz, calcite, galena, iron oxide and scorodite, and is hosted by a buff phyllite.

2015 soil sampling in this area returned values of up to 4.34 ppm Ag, 352 ppm Pb, >10,000 ppm Zn, 3.3 ppm Sn and 1.34 ppm In. A single 2016 soil sample (AMS024), collected about 100 m NE of the bedrock mineralization noted above, returned anomalous values of 1.24 ppm Ag, 252 ppm Pb, 1120 ppm Zn, 150.5 ppm As, 0.839 ppm In, and 2.4 ppm Sn.

The association of Ag-Pb-Zn with Au-Cu-Sn-In values is quite different than mineralization at Zone 2 and appears to be related to NE-trending, high-grade shear-vein structures. Additional tight grid soil sampling and detailed mapping is recommended in South zone Area 3, to be followed by excavator trenching to confirm structural orientations, and diamond drilling of mineralized structures.

MR Claims - Hairsine area. 19 soil samples (DMS016 to 034) were collected in 2016 along a cat road southeast of Area 3. Maximum values returned were 2.46 ppm Ag, 135 ppm As, 0.512 ppm In, 365 ppm Pb (with 8 samples >200 ppm), 8.73 ppm Sb (with 4 samples >5 ppm), and 831 ppm Zn (with 9 samples >500 ppm). The anomalous values occur over a distance of 600 m along the road.

Although the values in soils are not quite as high, the metal association at Hairsine is similar to that at Area 3 and is indicative of stratabound, manto-style CRD or vein-type Ag-Pb-Zn mineralization. The MR 27-28 claims were added to protect this target. No previous trenching or drilling has taken place in this area, Additional detailed soil sampling and prospecting is recommended, followed by excavator drilling and trenching.

MFW claims – Farwest anomaly. The MFW 1-22 claims were staked in August 2016 to cover the historic Farwest anomaly with values up to 3600 ppm lead, 19 ppm silver and 2400 ppm zinc, which can be traced discontinuously over 1500 m. The 2016 soil sampling confirmed the core of the very strong anomaly over a strike length of more than 700 m. The anomaly is centred on a large meadow with quartzite, phyllite and marble outcrops nearby. The soil is locally iron and manganese stained. 2016 soil values are as follows:

For Ag, 12 of 42 soil returned >2.0 ppm Ag, with maximums of 4.56, 6.66, and 17.95 ppm.
For Pb, 8 of 42 soils returned >200 ppb, with a maximum of 348 ppm.
For Zn, 7 of 42 soils returned >500 ppm, with a maximum of 1580 ppm.

Values of As and Sb are also anomalous with maximum values in soil of 143.5 and 10.65 ppm respectively. Au, Sn and In values were not anomalous. The association of Ag with Pb-Zn-As-Sb is indicative of high-grade vein, stratabound or manto-style CRD Ag-Pb-Zn deposits. The nearby presence of marble outcrops is indicative of an environment similar to the Silvertip mine.

No drilling has been completed on the Farwest anomaly which remains unexplained and deserving of more work. The high values of Ag, Pb, Zn, As and Sb associated with iron and manganese staining on soil and rock fragments suggest the source may be deeply weathered. Alternatively, the anomaly may be transported, however, the terrain is quite subdued and the meadow is dry (not a swamp) so it appears highly unlikely the anomaly is has moved far. Additional detailed soil sampling, prospecting and mapping is recommended for Farwest, followed by overburden drilling and diamond drilling.

In general, the 2016 field program was successful in confirming and enhancing stratabound Ag-Pb-Zn carbonate-replacement deposit (CRD) and/or high-grade Ag-Pb-Zn-Au-Sn-In shear vein targets on the MR 1-28 and MFW 1-22 claims.

The presence of potentially economic values of tin and indium, associated with Pb, Zn, and Ag at Area 3 and the Hairsine area on the MR 1-28 claim block, is a metal association known in certain deposits in Nova Scotia (e.g. East Kemptville mine) and the tin-polymetallic base-metal deposits of the Eastern Cordillera of Bolivia.

STATEMENT OF QUALIFICATIONS

I, Michael S. Cathro, of 2560 Telford Place, Kamloops, BC, hereby certify that:

- I have been a registered professional geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC) since 1992 (Reg.# 19093).

- I am a graduate of Queens University, Kingston, Ontario with a B.Sc (Honours) in Geological Sciences (1984), and a graduate of the Colorado School of Mines, Golden, Colorado with a M.Sc. in Geology (1992). My Master's thesis topic was the Geology and Mineral Deposits of the Ketza River District, Yukon Territory.

- I am presently employed as a consulting geologist, President of Cathro Resources Corp., Kamloops, BC, and Vice-President of Operations for Skeena Resources Limited. In addition, I serve as a Director of Happy Creek Minerals Ltd. and Chairman of Geoscience BC.

- I have been working as a professional geologist in mineral exploration, exploration management, geological research, and administration of mine and exploration permitting and compliance on a semi-continuous basis since 1984. In addition, during the summers between 1980 and 1983, I worked as a field assistant on metals exploration projects in Yukon and northern British Columbia.

- My career has given me experience in precious and base metal, industrial minerals, uranium, coal, tantalum-niobium, and rare earth element exploration primarily in British Columbia, Yukon, Western USA, Australia and the southwest Pacific.

- I have published numerous research papers and made presentations on the geology of porphyry copper-gold-molybdenum, epithermal gold, and intrusion related gold deposits, and exploration topics, primarily in British Columbia.

Michael S. Cathro, M.Sc., P.Geo.
March 27, 2017

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YGS Mapmaker (http://mapservices.gov.yk.ca/YGS/WebMap.aspx)

Yukon Minfile. Hairsine Minfile 105 B 138

Yukon Minfile. Meister River Minfile 105 B 114

Appendix 1a: Rock sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

Sample #	Date	Zone	Easting	Northing	Elevation	Sampler	Target	Sample Type
MMR004	2016-06-20	9	429211	6681871		M. Cathro	MR	Rock
MMR005	2016-06-20	9	429211	6681871		M. Cathro	MR	Rock
MMR006	2016-06-20	9	429211	6681871		M. Cathro	MR	Rock
MMR007	2016-06-20	9	429211	6681871		M. Cathro	MR	Rock
MMR008	12-Aug-16	9	428360	6682375	1368	M. Cathro	MR	Rock
MMR009	14-Aug-16	9	428377	6682451	1381	M. Cathro	MR	Rock
MMR010	2016-08-14		428377	6682451	1381	M. Cathro	MR	Rock
MMR011	14-Aug-16	9	428358	6682405	1375	M. Cathro	MR	Rock
MMR012	14-Aug-16	9	428399	6682392	1367	M. Cathro	MR	Rock
MMR013	14-Aug-16	9	428385	6682385	1366	M. Cathro	MR	Rock
MMR014	14-Aug-16	9	428449	6682378	1359	M. Cathro	MR	Rock
MMR015	14-Aug-16	9	428434	6682356	1357	M. Cathro	MR	Rock
MMR016	14-Aug-16	9	428430	6682352	1356	M. Cathro	MR	Rock
MMR017	14-Aug-16	9	428390	6682370	1364	M. Cathro	MR	Rock
MMR018	2016-08-14		428390	6682370	1364	M. Cathro	MR	Rock

Appendix 1a: Rock sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

			Au-ICP21	ME-MS41	ME-MS41
		SAMPLE	Au	Ag	Al
Sample #	Comment/Description	#	ppm	ppm	%
MMR004	Outcrop; grab; re-sample of MMR001; rusty banded red, green and white quartz; FEoX; green carb/sil? Scorodite? Trends 070, dips steeply south	MMR004	**0.317**	**>100**	0.98
MMR005	Outcrop; grab of strong FeOx with 1-2% tetrahedride	MMR005	**0.226**	**>100**	0.48
MMR006	Outcrop; grab of FeOx and green rock	MMR006	**0.37**	**>100**	1.05
MMR007	Outcrop, 1 m chip in hangingwall of MMR004; buff quartzit/phyllite; stained yellow-green	MMR007	0.004	8.15	0.4
MMR008	Trench 11; grab; float? Banded, buff oxidized limestone; hydrozincite?	MMR008	<0.001	0.26	0.62
MMR009	Grab; float in trench #23; med brown weathering, granular, slightly porpous rock; oxidized limestone with hydrozincite?; 3-5% quartz veins	MMR009	0.001	0.05	0.09
MMR010	Grab; float; trench 23; brown weathering, micaceous FeOx/ZnOx? Rock; near chip of 3 m @ 6.55% Zn, 4% Pb	MMR010	0.001	0.54	0.07
MMR011	Grab; spoil pile; trench 13; buff and brown weathering oxide; trace sulphide (sph?) and FeOx; micaceous	MMR011	<0.001	0.03	0.08
MMR012	Trench grab; missing description	MMR012	<0.001	0.03	0.01
MMR013	Float; uphill side of Trench 11 (all grown in); Black Mn stained granular white brock; oxidized limestone with cerrusite / hydrozincite?	MMR013	<0.001	<0.01	0.08
MMR014	Float; road/trench; buff-browb weathering granular rock with hydrozincite?	MMR014	<0.001	0.11	0.01
MMR015	Float; road/trench; buff-browb weathering granular rock with hydrozincite? Wth 5% quartz	MMR015	<0.001	0.2	0.02
MMR016	Float; road/trench; buff-browb weathering granular rock with hydrozincite? Wth 5% quartz	MMR016	<0.001	0.02	0.02
MMR017	Float; trench 11; banded limestone; vugs with sulphide (gn?) and oxides; orange weathering	MMR017	<0.001	0.73	0.44
MMR018	Trench spoil; float; banded grey and white and black oxidized shale; red streaks.	MMR018	0.002	**1.12**	1.99

Appendix 1a: Rock sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Sample #	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
MMR004	**8580**	0.4	<10	190	0.81	**54.2**	0.25	26	34.6	5.8	14	0.49
MMR005	**5360**	0.2	<10	250	0.78	**42.8**	0.2	33	16.3	8	9	0.31
MMR006	**>10000**	0.4	<10	90	1.1	**148**	0.35	34.4	14.3	2.6	9	0.31
MMR007	217	<0.2	<10	70	0.17	0.77	0.03	1.33	66.7	0.3	14	0.23
MMR008	7.1	<0.2	<10	>10000	0.14	0.05	18.3	64.5	9.37	2.3	4	<0.05
MMR009	10.2	<0.2	<10	40	0.12	0.04	17.45	0.39	36	1.2	3	0.05
MMR010	68.1	<0.2	<10	210	0.12	0.84	>25.0	1.36	6.08	5.3	2	<0.05
MMR011	1.5	<0.2	<10	760	<0.05	0.01	>25.0	27.4	18.35	1.3	1	<0.05
MMR012	3.6	<0.2	<10	30	0.05	0.01	>25.0	0.23	2.22	0.7	1	<0.05
MMR013	0.7	<0.2	<10	20	<0.05	0.01	0.09	0.19	3.37	0.3	6	<0.05
MMR014	9.4	<0.2	<10	20	0.07	0.01	22.6	0.15	3.34	0.6	2	0.08
MMR015	3.3	<0.2	<10	30	0.08	0.01	20.1	1.12	5.32	0.8	2	0.08
MMR016	1.5	<0.2	<10	10	0.06	0.02	20.8	0.1	3.49	0.6	1	0.09
MMR017	3.5	<0.2	<10	9590	<0.05	0.02	>25.0	13.95	8.32	2	1	<0.05
MMR018	31.7	<0.2	<10	830	<0.05	0.21	0.11	2.05	13.85	0.7	11	<0.05

Appendix 1a: Rock sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn
Sample #	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
MMR004	**1320**	15.55	8.86	0.08	0.02	0.3	**127**	0.16	14.2	1.9	0.02	133
MMR005	**787**	19.65	7.1	0.07	<0.02	0.27	**141.5**	0.07	6.1	2.1	0.01	108
MMR006	**1765**	9.87	4.93	0.06	<0.02	0.51	**97.4**	0.07	4.7	2	0.01	65
MMR007	16	1.22	1.7	0.07	0.03	<0.01	3.63	0.26	22.7	0.8	0.01	49
MMR008	15.3	0.64	2.15	<0.05	0.02	4.03	0.006	0.01	5.4	0.2	0.12	368
MMR009	4.3	2.75	0.49	<0.05	<0.02	0.01	0.009	0.07	15.3	1.8	4.18	996
MMR010	4.1	3.76	0.25	<0.05	0.03	0.04	0.032	0.03	2.8	0.6	0.77	1680
MMR011	3	0.45	0.73	<0.05	<0.02	0.62	0.012	<0.01	10.5	2.8	0.28	1300
MMR012	1	0.78	0.1	<0.05	<0.02	<0.01	<0.005	<0.01	1.2	2.5	6.46	1280
MMR013	1	0.36	0.22	<0.05	<0.02	<0.01	<0.005	0.05	1.9	0.2	0.01	114
MMR014	1.1	1.29	0.13	<0.05	<0.02	<0.01	0.014	<0.01	1.6	2.8	9.36	1740
MMR015	2.9	1.2	0.16	<0.05	<0.02	0.01	0.026	<0.01	1.8	3.1	9.06	1760
MMR016	1.2	1.5	0.15	<0.05	<0.02	<0.01	0.011	0.01	1.5	3	10.75	1700
MMR017	3.2	0.35	0.97	<0.05	0.02	0.55	0.006	<0.01	5	0.3	0.42	642
MMR018	12.8	3.22	4.28	<0.05	0.07	0.82	0.009	0.01	8.6	3.4	0.02	31

Appendix 1a: Rock sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se
Sample #	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MMR004	1.46	0.01	<0.05	16.4	**>10000**	**>10000**	6.7	<0.001	1.05	**194**	2.5	0.8
MMR005	2.16	0.01	<0.05	21.3	**9280**	**>10000**	3.8	<0.001	0.83	**314**	1.9	1
MMR006	1.03	0.01	<0.05	8.2	**>10000**	**>10000**	3.3	<0.001	1.53	**496**	1.7	2.4
MMR007	0.74	0.02	<0.05	1.4	970	2700	9.2	<0.001	0.11	5.32	1.1	0.2
MMR008	0.21	<0.01	<0.05	5.2	670	76.3	0.3	<0.001	<0.01	1.86	3.2	0.8
MMR009	0.17	0.01	<0.05	3.1	**1570**	12.1	1.9	<0.001	0.04	0.12	0.7	0.3
MMR010	0.22	<0.01	<0.05	11.6	860	146	1.1	<0.001	<0.01	1.19	1.5	0.6
MMR011	0.06	<0.01	<0.05	2.2	60	49.4	0.1	<0.001	<0.01	0.25	4.4	0.7
MMR012	<0.05	0.01	<0.05	1.4	60	4.7	0.2	<0.001	<0.01	0.1	0.4	0.4
MMR013	0.21	<0.01	<0.05	1.3	10	5.2	1.4	<0.001	<0.01	0.07	0.1	<0.2
MMR014	<0.05	0.01	<0.05	1.4	20	23.5	0.2	<0.001	<0.01	0.2	0.3	0.3
MMR015	0.16	<0.01	<0.05	1.9	120	83.7	0.2	<0.001	<0.01	0.59	0.3	0.4
MMR016	<0.05	<0.01	<0.05	1.6	90	6.5	0.3	<0.001	<0.01	0.1	0.3	0.3
MMR017	0.08	<0.01	<0.05	4.6	450	553	0.2	<0.001	<0.01	0.65	2	0.3
MMR018	1.67	<0.01	<0.05	5	1250	**>10000**	0.2	<0.001	0.13	27.7	1.1	0.4

Appendix 1a: Rock sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Sample #	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
MMR004	**>500**	126.5	<0.01	0.29	4.5	<0.005	0.15	7.72	9	2.86	6.16	**6140**
MMR005	**>500**	104	<0.01	0.2	4.5	<0.005	0.1	3.41	7	4.02	6.6	**8200**
MMR006	**>500**	46.1	<0.01	0.82	3.5	<0.005	0.08	13.6	4	6.75	11.7	**4940**
MMR007	14.7	16	<0.01	0.03	3.3	<0.005	0.11	0.29	4	0.09	2.88	197
MMR008	0.2	245	<0.01	0.09	1.3	<0.005	0.41	0.3	4	0.06	5.14	**>10000**
MMR009	<0.2	153.5	<0.01	<0.01	2.9	<0.005	0.02	0.47	4	0.07	3.35	68
MMR010	<0.2	80.2	<0.01	0.11	1.4	<0.005	0.19	1.86	7	0.09	6.83	521
MMR011	<0.2	4700	<0.01	0.02	0.2	<0.005	0.19	0.26	8	<0.05	7.67	**4870**
MMR012	<0.2	155.5	<0.01	0.01	0.3	<0.005	0.05	0.78	6	<0.05	1.9	31
MMR013	<0.2	2.5	<0.01	0.01	1.2	<0.005	<0.02	0.06	1	0.11	0.36	12
MMR014	<0.2	170.5	<0.01	<0.01	0.2	<0.005	0.02	0.15	6	0.06	2.03	74
MMR015	1	226	<0.01	0.01	0.2	<0.005	0.07	0.34	5	0.13	2.42	589
MMR016	<0.2	172	<0.01	0.01	0.3	<0.005	<0.02	0.37	4	0.05	1.53	34
MMR017	<0.2	661	<0.01	0.04	1.1	<0.005	0.11	0.42	2	<0.05	8.4	**2350**
MMR018	2.2	11.2	<0.01	0.37	5.3	<0.005	0.09	1.8	7	<0.05	0.57	**1330**

Appendix 1a: Rock sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	Ag-OG62	Pb-OG62	Pb-VOL70	ME-XRF15c	Pb-OG62	Zn-OG62
	Zr	Ag	Pb	Pb	Sn	Pb	Zn
Sample #	ppm	ppm	%	%	%	%	%
MMR004	0.9	**336**	**11.1**		**0.39**		
MMR005	<0.5	**263**	**4.54**		**0.47**		
MMR006	<0.5	**936**	>20.0	**30**	**0.32**		
MMR007	1.1						
MMR008	0.8						1.56
MMR009	<0.5						
MMR010	1.2						
MMR011	<0.5						
MMR012	<0.5						
MMR013	<0.5						
MMR014	<0.5						
MMR015	<0.5						
MMR016	<0.5						
MMR017	0.7						
MMR018	2.3					1.865	

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

Sample #	Date	Zone	Easting	Northing	Elevation	Sampler	Target	Sample Type	Depth cm	Colour	Horizon
AMS011	2016-12-08	9	422989	6685394	1272	A. Travis	MFW	Soil	30		
AMS012	2016-12-08	9	423037	6685370	1271	A. Travis	MFW	Soil	20	Brown	
AMS013	2016-12-08	9	423054	6685372	1272	A. Travis	MFW	Soil	10	grey-brown	
AMS014	2016-12-08	9	423102	6685351	1267	A. Travis	MFW	Soil	30	grey-brown	
AMS015	2016-12-08	9	423152	6685322	1269	A. Travis	MFW	Soil	35	light-grey-brown	
AMS016	2016-12-08	9	423193	6685296	1270	A. Travis	MFW	Soil	20	brown	
AMS017	2016-12-08	9	423242	6685288	1269	A. Travis	MFW	Soil	15	Brown	
AMS018	2016-12-08	9	423287	6685286	1267	A. Travis	MFW	Soil	15	Brown	
AMS019	2016-12-08	9	423338	6685275	1266	A. Travis	MFW	Soil		Grey	
AMS020	2016-12-08	9	423389	6685279	1272	A. Travis	MFW	Soil	25	Grey	
AMS021	2016-12-08	9	423439	6685275	1265	A. Travis	MFW	Soil	20	Grey	
AMS022	2016-12-08	9	423481	6685298	1268	A. Travis	MFW	Soil	20	dark brown	
AMS023	2016-12-08	9	422922	6685533	1269	A. Travis	MFW	Soil	25	grey-brown	
AMS024	2016-12-08	9	429246	6681919	1254	A. Travis	MR	Soil			
DMS001	2016-08-12	9	422674	6685821	1280	D. Coolidge	MFW	Soil	6	light grey	C
DMS002	2016-08-12	9	422674	6685769	1279	D. Coolidge	MFW	Soil	5	light grey	C
DMS003	2016-08-12	9	422671	6685724	1279	D. Coolidge	MFW	Soil	6	light grey	C
DMS004	2016-08-12	9	422689	6685670	1283	D. Coolidge	MFW	Soil	5	orange-brown	B/C
DMS005	2016-08-12	9	422691	6685617	1273	D. Coolidge	MFW	Soil	10	orange-brown	B/C
DMS006	2016-08-12	9	422678	6685568	1277	D. Coolidge	MFW	Soil	15	orange-brown	B
DMS007	2016-08-12	9	422722	6685540	1279	D. Coolidge	MFW	Soil	12	brown	B
DMS008	2016-08-12	9	422765	6685515	1286	D. Coolidge	MFW	Soil	15	brown	B
DMS009	2016-08-12	9	422809	6685485	1275	D. Coolidge	MFW	Soil	20	orange-brown	B
DMS010	2016-08-12	9	422873	6685457	1272	D. Coolidge	MFW	Soil	25	yellow-brown	B
DMS011	2016-08-12	9	422916	6685434	1270	D. Coolidge	MFW	Soil	25	brown	B
DMS012	2016-08-12	9	422967	6685406	1269	D. Coolidge	MFW	Soil	35	brown	B
DMS013	2016-08-12	9	422887	6685464	1270	D. Coolidge	MFW	Soil	10	orange-yellow	B
DMS014	2016-08-12	9	422897	6685491	1275	D. Coolidge	MFW	Soil	15	orange-yellow-brown	B
DMS015	2016-08-12	9	422911	6685515	1270	D. Coolidge	MFW	Soil	25	yellow-brown	B
DMS016	2016-08-12	9	429617	6681640	1231	D. Coolidge	MFW	Soil	25	grey-brown	B
DMS017	2016-08-12	9	429657	6681606	1226	D. Coolidge	MFW	Soil	35	black-grey	A/B

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

Sample #	Date	Zone	Easting	Northing	Elevation	Sampler	Target	Sample Type	Depth cm	Colour	Horizon
DMS018	2016-08-12	9	429694	6681586	1224	D. Coolidge	MFW	Soil	25	grey-brown	B
DMS019	2016-08-12	9	429744	6681562	1227	D. Coolidge	MFW	Soil	35	grey-brown	B
DMS020	2016-08-12	9	429781	6681528	1212	D. Coolidge	MFW	Soil	25	Grey	B/C
DMS021	2016-08-12	9	429832	6681493	1210	D. Coolidge	MFW	Soil	35	brown-grey	B
DMS022	2016-08-12	9	429870	6681481	1193	D. Coolidge	MFW	Soil	30	grey-brown	B
DMS023	2016-08-12	9	429915	6681456	1192	D. Coolidge	MFW	Soil	30	grey-brown	B
DMS024	2016-08-12	9	429962	6681435	1195	D. Coolidge	MFW	Soil	20	red-brown	B
DMS025	2016-08-12	9	430007	6681419	1184	D. Coolidge	MFW	Soil	30	brown-red	B
DMS026	2016-08-12	9	430050	6681391	1181	D. Coolidge	MFW	Soil	25	red-brown	B
DMS027	2016-08-12	9	430102	6681374	1162	D. Coolidge	MFW	Soil	25	brown-grey	B
DMS028	2016-08-12	9	430145	6681354	1150?	D. Coolidge	MFW	Soil	25	red-brown	B
DMS029	2016-08-12	9	430187	6681337	1142	D. Coolidge	MFW	Soil	20	red-brown	B
DMS030	2016-08-12	9	430236	6681313	1124	D. Coolidge	MFW	Soil	15	red-brown	B/C
DMS031	2016-08-12	9	430279	6681295	1107	D. Coolidge	MFW	Soil	30	brown	B
DMS032	2016-08-12	9	430325	6681254	1105	D. Coolidge	MFW	Soil	25	red-brown	B
DMS033	2016-08-12	9	430366	6681223	1101	D. Coolidge	MFW	Soil	25	red-brown	B
DMS034	2016-08-12	9	430391	6681201	1094	D. Coolidge	MFW	Soil	20	red-brown	B
MMS044	12-Aug-16	9	423131	6685530	1256	M. Cathro	MFW	Soil	30	orange-brown	B
MMS045	12-Aug-16	9	423192	6685531	1255	M. Cathro	MFW	Soil	30	orange-brown	B
MMS046	12-Aug-16	9	423229	6685523	1254	M. Cathro	MFW	Soil	30	orange-brown	B
MMS047	12-Aug-16	9	423282	6685522	1252	M. Cathro	MFW	Soil	30	orange-brown	B
MMS048	12-Aug-16	9	423335	6685501	1252	M. Cathro	MFW	Soil	30	brown	B
MMS049	12-Aug-16	9	423383	6685504	1252	M. Cathro	MFW	Soil	30	brown	B
MMS050	12-Aug-16	9	423435	6685508	1249	M. Cathro	MFW	Soil	30	brown	B
MMS051	12-Aug-16	9	423482	6685528	1246	M. Cathro	MFW	Soil	30	brown	B
MMS052	12-Aug-16	9	423446	6685436	1258	M. Cathro	MFW	Soil	30	brown	B
MMS053	12-Aug-16	9	423237	6685434	1266	M. Cathro	MFW	Soil	30	orange-brown	B
MMS054	12-Aug-16	9	423084	6685489	1265	M. Cathro	MFW	Soil	30	orange-brown	B
MMS055	12-Aug-16	9	422859	6685426	1276	M. Cathro	MFW	Soil	30	brown	B
MMS056	12-Aug-16	9	422928	6685462	1270	M. Cathro	MFW	Soil	30	orange	B
MMS057	12-Aug-16	9	422987	6685459	1270	M. Cathro	MFW	Soil	20	orange	B
MMS058	2016-08-12		428758	6683200		M. Cathro	MR	Soil	20	orange-brown	B

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

Sample #	Date	Zone	Easting	Northing	Elevation	Sampler	Target	Sample Type	Depth cm	Colour	Horizon
MMS059	2016-08-12		428841	6683152		M. Cathro	MR	Soil	30	orange-brown	B
MMS060	12-Aug-16	9	428923	6683093	1354	M. Cathro	MR	Soil	30	orange-brown	B
MMS061	12-Aug-16	9	429008	6683042	1326	M. Cathro	MR	Soil	30	orange-brown	B
MMS062	12-Aug-16	9	429107	6682990	1300	M. Cathro	MR	Soil	30	orange-brown	B
MMS063	12-Aug-16	9	429185	6682942	1279	M. Cathro	MR	Soil	20	orange-brown	B
MMS064	12-Aug-16	9	429161	6682896	1285	M. Cathro	MR	Soil	20	orange-brown	B
MMS065	12-Aug-16	9	429133	6682847	1295	M. Cathro	MR	Soil	20	orange-brown	B
MMS066	12-Aug-16	9	429106	6682803	1302	M. Cathro	MR	Soil	20	orange	B
MMS067	12-Aug-16	9	429077	6682771	1305	M. Cathro	MR	Soil	20	orange	B
MMS068	12-Aug-16	9	429041	6682728	1320	M. Cathro	MR	Soil	20	orange	B
MMS069	12-Aug-16	9	429019	6682684	1326	M. Cathro	MR	Soil	20	orange	B
MMS070	12-Aug-16	9	428976	6682602	1340	M. Cathro	MR	Soil	20	orange	B
MMS071	12-Aug-16	9	428918	6682507	1342	M. Cathro	MR	Soil	20	orange	B
MMS072	12-Aug-16	9	428870	6682426	1349	M. Cathro	MR	Soil	20	orange	B
MMS073	12-Aug-16	9	428819	6682349	1351	M. Cathro	MR	Soil	20	orange	B
MMS074	12-Aug-16	9	428741	6682252	1348	M. Cathro	MR	Soil	20	orange	B
MMS075	14-Aug-16	9	428378	6682456	1383	M. Cathro	MR	Soil	20	orange	B
MMS076	14-Aug-16	9	428419	6682437	1378	M. Cathro	MR	Soil	20	orange	B
MMS077	14-Aug-16	9	428382	6682383	1366	M. Cathro	MR	Soil	20	orange	B
MMS078	14-Aug-16	9	428423	6682349	1357	M. Cathro	MR	Soil	20	orange	

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

			Au-ICP21	ME-MS41	ME-MS41	ME-MS41
		SAMPLE	Au	Ag	Al	As
Sample #	Comment/Description	Description	ppm	ppm	%	ppm
AMS011	edge of meadow heading E along old road; organicky with sandy beneath	AMS011	0.008	**17.95**	1.23	143.5
AMS012	sandy	AMS012	<0.001	**1.51**	1.5	31.9
AMS013	small old pit with limestone in bottom and some veining in spill pile; take soil on spill pile	AMS013	<0.001	**3.48**	1.12	50.6
AMS014	30 cm of organic then light brown rocky	AMS014	0.001	**4.56**	1.37	51.1
AMS015	35 cm organic underlain by claey light grey-brown soil	AMS015	<0.001	**2.3**	1.33	46.4
AMS016	old road bed	AMS016	0.004	**1.77**	1.68	29.7
AMS017	road bed; sandy	AMS017	<0.001	**1.63**	1.82	28.7
AMS018	road bed; sandy	AMS018	0.002	**3.7**	1.03	96.3
AMS019	clayey/rocky ?/limestone/phyllite pieces in muddy area	AMS019	<0.001	**2.05**	0.96	45.9
AMS020	25 cm organic then grey clayey/rocky	AMS020	<0.001	**3.15**	1.32	47.2
AMS021	20 cm thick organic small cut bank at road; grey claey rocky, gtz float	AMS021	0.001	**2.59**	1.16	55.8
AMS022	20 cm organic , rocky base of b sample	AMS022	<0.001	**1.41**	1.13	27
AMS023	on baseline; 75 m northerly from anomaly	AMS023	<0.001	0.24	0.92	116.5
AMS024	Hairsine trench area; old trench ~75 m north of high-grade As vein; doesn't seem to have hit bedrock; sample of spill pile with mixed phyllite / limestone	AMS024	0.015	**1.24**	0.6	150.5
DMS001	sub crop beneath	DMS001	<0.001	0.06	0.87	6.4
DMS002	sub crop beneath	DMS002	<0.001	0.08	0.78	12.1
DMS003	outcrop zone	DMS003	<0.001	0.2	0.71	21.5
DMS004	outcrop present: metased with quartz.	DMS004	<0.001	0.13	1.03	23.7
DMS005	Sandy soil; outcrop zone	DMS005	<0.001	0.06	1.12	23.2
DMS006	From the NW edge of meadow	DMS006	<0.001	0.85	1.67	21
DMS007	fine grained soil	DMS007	<0.001	1.1	1.33	34.3
DMS008	Good soil at the North end of the meadow	DMS008	<0.001	0.58	1.06	51.7
DMS009	Well developed soil with quartz chips.	DMS009	<0.001	1	0.98	69.9
DMS010	Altered looking soil colour	DMS010	<0.001	**2.98**	1.21	43.8
DMS011	Grassy meadow.	DMS011	0.001	**2.43**	0.96	41.4
DMS012	fine grained soil	DMS012	<0.001	**3.25**	1.31	91.4
DMS013	Taken on old baseline	DMS013	<0.001	0.13	0.89	76.9
DMS014	From an old cut line near Ag anomaly	DMS014	<0.001	0.13	1.14	52.3
DMS015	gritty with shale chips	DMS015	0.001	0.25	0.99	94.5
DMS016	Clay rich soil- along claim line	DMS016	0.011	**1.16**	1.28	121
DMS017	organic rich soil	DMS017	0.005	**1.73**	0.83	108.5

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

			Au-ICP21	ME-MS41	ME-MS41	ME-MS41
		SAMPLE	Au	Ag	Al	As
Sample #	Comment/Description	Description	ppm	ppm	%	ppm
DMS018	Clay rich soil; heavily treed flat area	DMS018	0.006	**0.97**	1.18	101
DMS019	weak to moderate clay	DMS019	0.003	**1.32**	1.39	104
DMS020	Clay rich soil from under a tree stump	DMS020	0.009	**1.4**	1.16	119.5
DMS021	organic rich soil	DMS021	0.004	**2.46**	1.69	84.4
DMS022	clay rich soil in a heavily treed area	DMS022	0.002	**2.04**	1.45	115.5
DMS023	clay rich soil in a heavily treed area	DMS023	0.003	0.95	1.42	135
DMS024	rock chip in soil	DMS024	<0.001	0.63	1.71	77.3
DMS025	fine grained with organics	DMS025	<0.001	**1.92**	1.58	69.6
DMS026	Heavily treed and located 50 m below break in slope.	DMS026	0.002	**1.44**	1.18	114
DMS027	sand and clay rich soil	DMS027	<0.001	0.73	1.29	72.7
DMS028	fined grained soil with pine trees and more open bush	DMS028	<0.001	0.8	1.31	62.7
DMS029	fine grained soil	DMS029	<0.001	0.29	1.32	36.4
DMS030	fine grained with phyllite chips	DMS030	<0.001	0.8	1.02	41.5
DMS031	powdery soil, willows	DMS031	<0.001	1.02	1.15	56.9
DMS032	Fine grained, gritty soil	DMS032	<0.001	0.26	1.3	35.1
DMS033	Area with open space trees and willows	DMS033	<0.001	0.35	1.03	49.8
DMS034	Soil with ~ 5% angular fist sized rock with quartz veinlets	DMS034	<0.001	0.19	1.25	34.3
MMS044	Dry pebbles and silt; edge meadow	MMS044	<0.001	0.62	1.04	61.7
MMS045	In trees; clay and pebbles	MMS045	0.003	0.85	0.96	65.1
MMS046	In trees; clay and pebbles	MMS046	0.001	**1.48**	0.86	86
MMS047	In trees; clay and pebbles	MMS047	0.003	**1.03**	1.02	61.5
MMS048	In trees; clay and pebbles	MMS048	0.008	**1.01**	0.9	92.1
MMS049	In trees; clay and pebbles	MMS049	0.001	**1.59**	1.05	65.7
MMS050	In trees; clay and pebbles	MMS050	0.001	**1.82**	0.85	52.5
MMS051	In trees; clay and pebbles	MMS051	0.002	**1.5**	1.12	47.6
MMS052	In trees; clay and pebbles	MMS052	0.005	**1.74**	0.77	41.4
MMS053	In trees; clay and pebbles	MMS053	<0.001	0.49	1	30.8
MMS054	In trees; clay and pebbles	MMS054	0.001	**1.17**	1.52	110
MMS055	South of meadow	MMS055	<0.001	**6.66**	1.47	42.1
MMS056	North of meadow	MMS056	<0.001	0.63	1.85	58.1
MMS057	Edge of meadow	MMS057	<0.001	0.7	1.36	43.8
MMS058		MMS058	<0.001	0.04	1.46	18

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

			Au-ICP21	ME-MS41	ME-MS41	ME-MS41
		SAMPLE	Au	Ag	Al	As
Sample #	Comment/Description	Description	ppm	ppm	%	ppm
MMS059		MMS059	<0.001	0.21	1.09	38.1
MMS060		MMS060	<0.001	0.2	0.55	27
MMS061		MMS061	<0.001	0.2	1.05	15.3
MMS062		MMS062	<0.001	0.18	0.98	28.7
MMS063	on road	MMS063	0.001	0.2	0.99	32.7
MMS064	on road	MMS064	<0.001	0.13	0.98	31.3
MMS065	on road	MMS065	<0.001	0.12	1.27	23.2
MMS066	on road	MMS066	<0.001	0.62	0.86	34.1
MMS067	on road	MMS067	0.001	0.64	1.1	42.9
MMS068	on road	MMS068	<0.001	0.31	1.06	27.3
MMS069	on road	MMS069	0.002	0.65	1.06	42.6
MMS070	on road	MMS070	0.003	0.29	1	44.5
MMS071	on road	MMS071	0.003	0.5	1.02	40.3
MMS072	on road	MMS072	0.001	0.46	1.53	19.1
MMS073	on road	MMS073	<0.001	0.43	1.35	40.2
MMS074	on road	MMS074	<0.001	0.29	1.28	21
MMS075	2 m uphill of trench 23 in undisturbed soil	MMS075	<0.001	0.41	1.39	29
MMS076	trench area	MMS076	<0.001	0.42	0.68	27.1
MMS077	trench area	MMS077	<0.001	0.84	1.1	45.5
MMS078	Just above trench	MMS078	<0.001	0.32	1.37	21.2

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
Sample #	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
AMS011	<0.2	<10	100	0.64	0.3	1.62	5.24	44.3	7.7	16	1.23	17.8	3.46	3.67
AMS012	<0.2	<10	50	0.57	0.33	0.32	1.3	40.4	7.6	21	1.5	10.1	3.38	5.2
AMS013	<0.2	<10	70	0.4	0.17	0.66	0.78	58.8	19.1	16	1.35	17.5	3.83	3.4
AMS014	<0.2	<10	80	0.6	0.29	0.86	1.5	43.5	8.5	19	1.24	16.2	3.38	4.24
AMS015	<0.2	<10	60	0.41	0.22	0.54	0.27	50.5	6.5	20	0.95	11.1	3.17	3.83
AMS016	<0.2	<10	70	0.76	0.35	0.38	1.58	49	6.7	23	1.83	19.3	3.3	6.17
AMS017	<0.2	<10	80	0.72	0.33	0.57	1.48	47.3	8.2	23	1.77	10.1	3.2	6.37
AMS018	<0.2	<10	50	0.24	0.19	8.02	1.76	45.5	10.3	15	0.58	19	2.67	3.07
AMS019	<0.2	<10	50	0.37	0.3	0.33	0.73	51.6	10.9	16	0.68	16.7	3.19	2.98
AMS020	<0.2	<10	100	0.53	0.26	0.72	1.39	49.7	9.7	20	0.87	19.7	3	4.15
AMS021	<0.2	<10	80	0.25	0.2	1.37	0.82	47.3	9.5	17	0.45	17.2	2.89	3.31
AMS022	<0.2	<10	70	0.27	0.16	3.06	0.66	33.9	6.3	14	0.52	16.7	2.22	2.93
AMS023	<0.2	<10	60	0.24	0.19	0.13	0.25	56.3	4.9	9	1.21	9.2	2.43	3.28
AMS024	<0.2	<10	40	0.2	0.57	14.8	6.15	41	7.9	7	0.55	13.1	2.43	1.81
DMS001	<0.2	<10	40	0.16	0.17	0.04	0.05	62.6	3.7	8	1.14	5.2	2	4.09
DMS002	<0.2	<10	50	0.17	0.16	0.04	0.12	58.5	3	5	1.2	4.2	1.26	3.99
DMS003	<0.2	<10	50	0.21	0.23	0.03	0.16	44.5	3.7	8	1.07	5.7	1.63	3.84
DMS004	<0.2	<10	40	0.37	0.3	0.03	0.1	56.2	5.4	14	1.17	9	2.91	4.39
DMS005	<0.2	<10	50	0.32	0.27	0.04	0.11	76.3	5.9	11	0.8	7.1	2.48	4.41
DMS006	<0.2	<10	80	0.54	0.3	0.15	0.67	58.9	6.6	20	1.63	8.3	3.15	4.91
DMS007	<0.2	<10	310	0.72	0.38	2.01	16.15	114	9.8	12	1.35	15	3.29	3.95
DMS008	<0.2	<10	70	0.31	0.24	0.11	0.32	48.5	3.7	13	1.15	4.7	1.97	4.05
DMS009	<0.2	<10	70	0.37	0.21	0.12	0.57	62.2	3.6	12	1.17	4.4	2.07	3.04
DMS010	<0.2	<10	100	0.69	0.29	0.32	2.73	52.7	5.1	16	1.97	10.5	2.44	4.04
DMS011	<0.2	<10	40	0.41	0.26	0.33	0.45	45.4	3.9	15	1.71	7.5	1.85	3.46
DMS012	<0.2	<10	100	0.57	2.12	0.75	2.76	40.9	7.2	18	1.22	12.5	2.94	4.35
DMS013	<0.2	<10	100	0.27	0.19	0.07	0.53	69.1	4.8	9	0.92	8.7	2.42	2.96
DMS014	<0.2	<10	90	0.33	0.18	0.17	0.23	54.1	6.9	13	2.42	14.2	3	3.44
DMS015	<0.2	<10	60	0.3	0.36	0.12	0.22	75	4.8	10	1.18	11.9	2.63	2.86
DMS016	<0.2	<10	80	0.42	0.49	1.99	3.36	80	10.7	17	0.62	28.2	3.88	3.86
DMS017	<0.2	<10	110	0.42	0.36	2.83	10.8	34.9	8.3	9	0.49	33.1	3.1	2.3

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
Sample #	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
DMS017	<0.2	<10	80	0.38	0.47	0.62	3.34	87.1	8.9	15	0.66	18.2	3.98	3.61
DMS018														
DMS019	<0.2	<10	90	0.59	0.51	0.53	3.86	62.6	9.1	17	0.99	12.7	4.29	4.21
DMS020	<0.2	<10	70	0.42	0.48	1.31	2.4	93.8	13.8	15	0.6	25.4	4.17	3.55
DMS021	<0.2	<10	90	0.72	0.4	1.27	7.63	55.7	9.4	15	0.94	22.9	3.4	4.75
DMS022	<0.2	<10	60	0.58	0.47	0.36	3.97	82.2	11.7	18	0.84	14.3	4.43	4.38
DMS023	<0.2	<10	80	0.49	0.48	0.37	2.71	87.3	9	18	0.81	13.7	4.52	4.05
DMS024	<0.2	<10	100	0.72	0.42	0.33	1.57	107	12.7	19	0.84	14.9	4.74	4.42
DMS025	<0.2	<10	100	0.76	0.42	0.57	4.19	76.5	10.8	20	1.02	11.1	4.91	4.85
DMS026	<0.2	<10	40	0.5	0.61	0.63	2.35	104.5	17.4	15	0.56	18.5	5.6	3.39
DMS027	<0.2	<10	60	0.53	0.43	0.29	0.88	99.4	12.3	17	0.54	16.5	4.39	3.78
DMS028	<0.2	<10	80	0.51	0.48	0.38	1.94	103.5	12.9	15	0.72	12	4.54	4.02
DMS029	<0.2	<10	70	0.66	0.46	0.91	1.05	89.5	10	17	0.72	9	4.24	4.26
DMS030	<0.2	<10	50	0.43	0.45	3.8	1.05	94.3	11.8	12	0.43	11.8	4.12	3.08
DMS031	<0.2	<10	50	0.42	0.38	0.78	1.29	75.8	12.6	14	0.6	13.4	3.87	3.34
DMS032	<0.2	<10	60	0.6	0.42	0.46	0.65	103	13.2	16	0.56	11.9	4.96	3.88
DMS033	<0.2	<10	40	0.5	0.55	0.38	0.98	106	14.7	14	0.47	14.6	5.17	3.21
DMS034	<0.2	<10	60	0.65	0.47	0.38	1.15	96.5	12.6	16	0.73	10.9	4.66	3.81
MMS044	<0.2	<10	300	0.52	0.26	0.46	1.75	36	6.6	13	1.53	12.5	2.5	3.86
MMS045	<0.2	<10	320	0.41	0.35	0.85	1.11	53.6	11.5	12	0.95	20.2	4.15	2.83
MMS046	<0.2	<10	590	0.38	0.21	1.04	1.21	37	8.2	11	0.9	18.6	2.79	2.64
MMS047	<0.2	<10	580	0.35	0.21	0.54	0.57	54.1	9.7	13	0.87	16.8	2.87	2.98
MMS048	<0.2	<10	980	0.34	0.21	0.67	1.19	47.4	10.9	11	0.74	18.7	2.94	2.65
MMS049	<0.2	<10	950	0.42	0.21	1	0.98	42.1	9	13	0.74	17.7	2.69	3.07
MMS050	<0.2	<10	570	0.3	0.15	2.59	1.23	25.4	6.2	10	0.53	17.6	2.08	2.32
MMS051	<0.2	<10	660	0.37	0.21	1.84	0.79	35	7.2	14	0.8	16.6	2.61	3.14
MMS052	<0.2	<10	430	0.3	0.14	3.28	1.2	22.5	5.8	9	0.47	18.5	1.77	2.11
MMS053	<0.2	<10	120	0.29	0.22	0.28	0.16	32.5	4.1	14	1.22	5.5	1.89	3.43
MMS054	<0.2	<10	470	0.67	0.23	0.28	1.44	42.3	6.5	16	1.16	12.6	3.12	4.71
MMS055	<0.2	<10	80	0.66	0.34	0.95	1	34	7.1	22	1.12	11.5	2.83	4.41
MMS056	<0.2	<10	210	0.96	0.3	0.2	2.62	69.2	10.4	18	1.64	10.9	3.32	5.45
MMS057	<0.2	<10	120	0.39	0.24	0.07	0.75	48.7	4.2	17	1.2	8	2.51	4.46
MMS058	<0.2	<10	120	0.4	0.38	0.35	0.52	52.4	8.6	17	0.82	11	3.6	4.43

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
Sample #	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
MMS059	<0.2	<10	60	0.5	0.35	0.1	0.8	64.5	15.6	14	0.73	12.2	3.55	2.7
MMS060	<0.2	<10	50	0.23	0.3	0.04	0.64	36	11	7	0.48	10.8	2.39	2.35
MMS061	<0.2	<10	100	0.39	0.29	0.53	1.14	43.7	9.2	14	1.26	9.9	2.22	4.11
MMS062	<0.2	<10	70	0.29	0.25	0.45	0.47	46.2	10.7	13	0.62	12.8	2.84	2.73
MMS063	<0.2	<10	70	0.31	0.23	1.41	0.95	57.5	13	14	0.69	18.6	3.07	2.97
MMS064	<0.2	<10	100	0.33	0.27	0.53	1.11	53.3	11.6	12	0.55	14	3.15	2.82
MMS065	<0.2	<10	90	0.59	0.31	0.66	4.92	61.8	9.9	16	0.97	12.2	3.38	4.1
MMS066	<0.2	<10	80	0.32	0.24	1.24	4.09	41.9	9.3	12	0.54	17.4	2.87	2.51
MMS067	<0.2	<10	80	0.44	0.25	1.42	3.51	69.3	13.7	14	0.72	20.5	3.52	3.34
MMS068	<0.2	<10	100	0.36	0.24	0.74	3.01	41.2	8.3	12	0.56	15.9	2.79	3.53
MMS069	<0.2	<10	160	0.47	0.22	1.32	4.99	71.4	14.9	13	0.67	20.7	3.51	3.23
MMS070	<0.2	<10	70	0.59	0.23	0.1	1.95	70.3	13.3	12	0.47	14.6	2.89	2.2
MMS071	<0.2	<10	160	0.36	0.22	3.02	2.78	61.5	13.8	13	0.57	19.7	3.27	3.03
MMS072	<0.2	<10	180	0.43	0.25	0.45	2.6	42	7.6	21	0.97	8.4	3.07	4.73
MMS073	<0.2	<10	290	0.44	0.26	0.5	2.61	35	6.7	20	0.8	8.1	3.61	4.35
MMS074	<0.2	<10	330	0.43	0.25	0.89	1.95	45.5	8.3	14	0.66	14.7	3.17	3.86
MMS075	<0.2	<10	260	0.62	0.26	0.4	4.15	48.1	8.3	21	0.84	9.3	3.04	4.38
MMS076	<0.2	<10	760	0.27	0.12	13.85	4.88	31.2	6.9	8	0.39	10.8	1.87	1.93
MMS077	<0.2	<10	1710	0.43	0.25	3.17	5.22	38.9	9	15	0.67	15.7	3.2	3.24
MMS078	<0.2	<10	400	0.48	0.32	0.57	3.54	42.3	7.6	19	1.21	10.6	3.41	4.5

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
Sample #	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
AMS011	0.06	0.04	0.09	0.039	0.04	31.5	12.7	0.53	4050	0.49	0.01	0.77	24.8	1420
AMS012	<0.05	0.02	0.03	0.048	0.03	21.8	18.7	0.47	877	0.49	0.01	1.68	20.1	450
AMS013	0.07	0.03	0.02	0.026	0.04	30.7	17.9	0.53	1830	0.54	0.01	0.35	36	1470
AMS014	0.05	0.03	0.05	0.045	0.04	28.3	19.8	0.48	1440	0.45	0.01	1.04	26.9	940
AMS015	0.06	0.03	0.04	0.034	0.04	33	17.2	0.55	442	0.42	0.01	0.7	23	780
AMS016	0.05	<0.02	0.03	0.042	0.05	29.1	18.9	0.41	702	0.67	0.01	1.54	18.6	610
AMS017	0.05	0.02	0.04	0.041	0.04	28.8	16.9	0.39	1410	0.5	0.01	1.66	17.1	500
AMS018	0.05	0.03	0.01	0.019	0.03	24.7	15.8	0.77	1340	0.5	0.01	0.3	26	730
AMS019	0.06	0.02	0.02	0.041	0.03	25.9	16.3	0.5	921	0.72	0.01	0.56	27	610
AMS020	0.06	0.03	0.03	0.039	0.04	30.3	15.8	0.48	1060	0.38	0.01	0.84	25.4	820
AMS021	0.05	0.03	0.02	0.025	0.03	27.1	16.1	0.64	737	0.43	0.01	0.4	23.8	880
AMS022	<0.05	0.05	0.07	0.025	0.03	21	12.1	0.59	577	0.43	0.01	0.55	17.3	1120
AMS023	0.05	<0.02	0.01	0.014	0.09	28.1	7.3	0.17	216	0.45	0.01	0.6	11.5	940
AMS024	<0.05	0.02	0.01	0.839	0.06	20.4	10.7	1.35	668	0.25	0.01	0.2	18.3	710
DMS001	0.05	<0.02	0.02	0.011	0.06	31.6	3.6	0.09	159	0.27	<0.01	0.92	8.7	630
DMS002	0.05	<0.02	0.02	0.01	0.06	28.6	2.6	0.05	104	0.33	0.01	0.66	7.7	540
DMS003	<0.05	<0.02	0.05	0.011	0.06	22.6	5.3	0.11	236	0.34	0.01	0.51	8.1	940
DMS004	0.05	<0.02	0.02	0.022	0.07	26.7	14.1	0.24	214	0.36	0.01	1.08	13.9	630
DMS005	0.06	<0.02	0.01	0.018	0.04	35.7	12.7	0.21	161	0.34	<0.01	1.08	12.9	830
DMS006	0.05	0.02	0.03	0.032	0.06	28.5	21.5	0.44	363	0.39	0.01	1.25	20.3	490
DMS007	0.08	0.02	0.09	0.045	0.03	43.7	6.8	0.34	8600	0.49	0.01	0.76	20.9	1800
DMS008	<0.05	<0.02	0.02	0.02	0.04	23.1	14.3	0.23	136	0.45	0.01	0.59	9.8	720
DMS009	<0.05	<0.02	0.03	0.02	0.06	29.1	13.6	0.22	410	0.27	0.01	0.48	10.7	740
DMS010	0.05	<0.02	0.05	0.037	0.07	24.9	15	0.24	936	0.34	0.01	0.63	14.7	1370
DMS011	<0.05	<0.02	0.04	0.028	0.05	23.1	17.7	0.32	219	0.24	0.01	0.74	14.3	1300
DMS012	<0.05	0.03	0.05	0.037	0.05	19	13.6	0.33	2800	0.75	0.01	0.95	16.9	1570
DMS013	0.05	<0.02	0.01	0.015	0.06	32.3	9.5	0.18	346	0.43	<0.01	0.68	12.2	640
DMS014	0.05	<0.02	0.01	0.014	0.18	25.2	15.5	0.28	358	0.36	<0.01	1.64	16	1050
DMS015	0.06	<0.02	0.01	0.015	0.08	36.1	10.7	0.23	256	0.31	0.01	0.7	12.1	730
DMS016	0.07	0.08	0.03	0.388	0.06	41.2	24.6	0.53	557	1.07	0.01	0.22	33.4	490
DMS017	<0.05	0.08	0.08	0.189	0.03	17.1	8.4	0.24	984	0.55	0.01	0.37	24.1	1910

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
Sample #	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
DMS018	0.09	0.06	0.02	0.39	0.05	45.4	20.8	0.51	607	0.74	0.01	0.3	26.4	270
DMS019	0.05	0.06	0.02	0.284	0.05	32.8	21.2	0.28	426	0.52	0.01	0.67	22.6	390
DMS020	0.07	0.06	0.02	0.263	0.05	48.3	22.5	0.56	647	0.6	0.01	0.22	37.3	470
DMS021	0.05	0.08	0.05	0.27	0.06	29.6	20.8	0.27	655	0.45	0.02	0.61	25.8	680
DMS022	0.07	0.07	0.03	0.325	0.05	39.7	25.4	0.39	532	0.59	0.01	0.64	26.6	250
DMS023	0.08	0.08	0.03	0.512	0.05	45.6	22.3	0.37	551	0.57	0.01	0.48	28.7	300
DMS024	0.08	0.11	0.03	0.118	0.04	52.9	26.7	0.45	426	0.47	<0.01	0.4	29.7	230
DMS025	0.07	0.06	0.03	0.125	0.05	37.3	21.1	0.35	1560	0.51	0.01	1.39	25.5	310
DMS026	0.1	0.09	0.05	0.147	0.04	55.7	17.8	0.34	1010	0.58	0.01	0.58	35.7	290
DMS027	0.09	0.11	0.02	0.102	0.04	50.5	19.9	0.34	509	0.37	0.01	0.52	30.2	170
DMS028	0.07	0.11	0.03	0.1	0.04	40.2	20.2	0.3	1020	0.44	0.01	0.8	23.8	200
DMS029	0.06	0.11	0.02	0.068	0.04	32.5	17.2	0.27	812	0.41	0.01	1.43	21.1	180
DMS030	0.06	0.08	0.04	0.066	0.04	39.1	14.5	0.32	574	0.32	0.01	0.68	22.8	320
DMS031	0.06	0.05	0.02	0.062	0.04	33.8	20.3	0.33	504	0.28	0.01	0.53	24.8	300
DMS032	0.08	0.12	0.03	0.069	0.04	45.1	17.8	0.34	1120	0.38	0.01	0.8	27.4	180
DMS033	0.09	0.1	0.04	0.082	0.03	43.2	16	0.3	1220	0.38	0.01	0.63	29.5	240
DMS034	0.06	0.08	0.03	0.078	0.04	32.8	13.8	0.24	1050	0.5	0.01	1.09	23.4	250
MMS044	<0.05	<0.02	0.03	0.039	0.08	17.7	10.6	0.22	1030	0.55	0.01	0.51	14	1860
MMS045	<0.05	0.02	0.02	0.033	0.05	28	11.1	0.32	1360	0.29	0.01	0.52	26	1020
MMS046	<0.05	0.03	0.03	0.045	0.06	19.4	9.3	0.25	741	0.42	0.01	0.56	20.6	1280
MMS047	<0.05	0.02	0.02	0.024	0.06	28	12.9	0.34	701	0.31	0.01	0.59	23.2	1020
MMS048	<0.05	0.02	0.02	0.034	0.06	23.5	10.9	0.3	1040	0.4	0.01	0.47	24.2	1210
MMS049	<0.05	0.02	0.03	0.036	0.05	22.8	11.2	0.29	872	0.44	0.01	0.57	19.3	1160
MMS050	<0.05	0.02	0.05	0.03	0.04	13.8	8.7	0.29	765	0.34	0.01	0.5	15.2	1510
MMS051	<0.05	0.03	0.03	0.03	0.06	18.6	12.5	0.38	737	0.39	0.01	0.62	17.5	1390
MMS052	<0.05	0.03	0.05	0.027	0.03	12.4	6.8	0.32	749	0.37	0.01	0.49	14.4	1450
MMS053	<0.05	<0.02	0.02	0.02	0.03	16.4	14.2	0.3	188	0.31	0.01	1.03	10.2	690
MMS054	<0.05	<0.02	0.03	0.065	0.06	22	13.9	0.21	1240	0.53	0.01	0.84	13.4	1150
MMS055	0.05	0.02	0.07	0.031	0.04	23.1	16.3	0.43	1130	0.36	<0.01	1.02	19.5	870
MMS056	0.05	<0.02	0.03	0.03	0.08	28.8	16.6	0.24	2730	0.72	<0.01	1.22	16.9	780
MMS057	0.05	<0.02	0.02	0.023	0.06	24.2	14.5	0.31	456	0.58	<0.01	0.51	12.8	710
MMS058	0.05	0.04	0.01	0.025	0.09	25.3	14.9	0.31	503	0.28	0.01	0.62	19.9	700

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
Sample #	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
MMS059	0.07	0.03	0.02	0.037	0.07	29.3	12.1	0.23	1060	0.24	<0.01	0.52	27.6	610
MMS060	<0.05	<0.02	0.01	0.047	0.03	16.8	6.1	0.08	725	0.35	0.01	0.31	11.3	730
MMS061	<0.05	<0.02	0.04	0.029	0.05	21.3	14.6	0.26	692	0.41	0.01	0.96	13.3	670
MMS062	<0.05	0.05	0.02	0.069	0.06	23.9	13.3	0.31	469	0.17	0.01	0.45	23.2	690
MMS063	0.06	0.05	0.02	0.038	0.06	28.9	15.4	0.76	583	0.18	0.01	0.47	29.9	650
MMS064	0.05	0.05	0.02	0.041	0.06	26.4	11.9	0.25	637	0.21	<0.01	0.46	24.4	800
MMS065	0.06	0.03	0.04	0.038	0.06	25.8	13.7	0.26	1340	0.42	0.01	1.06	20.5	530
MMS066	0.05	0.04	0.05	0.029	0.07	21.9	10.8	0.26	770	0.31	0.01	0.4	25.2	1020
MMS067	0.07	0.04	0.05	0.037	0.09	34.2	15.7	0.41	1120	0.36	0.01	0.37	37.7	1200
MMS068	0.05	0.03	0.05	0.034	0.05	22.8	13.8	0.27	821	0.47	0.01	0.66	20.3	920
MMS069	0.07	0.04	0.07	0.038	0.08	35.8	17.4	0.38	1500	0.33	0.01	0.23	40.4	890
MMS070	0.07	0.02	0.05	0.063	0.03	32.5	12.8	0.18	734	0.31	<0.01	0.49	27	600
MMS071	0.06	0.04	0.04	0.054	0.07	30.9	15.7	0.83	1300	0.28	0.01	0.25	33.1	730
MMS072	<0.05	0.03	0.06	0.037	0.05	22.5	18	0.35	674	0.34	0.01	1.03	18.1	450
MMS073	<0.05	0.03	0.04	0.056	0.05	18.6	15.4	0.3	543	0.61	0.01	0.95	17.1	550
MMS074	0.05	0.03	0.05	0.03	0.06	24.7	16.4	0.28	786	0.79	0.01	0.61	21.6	680
MMS075	0.06	0.04	0.08	0.034	0.05	27.8	15.5	0.35	986	0.42	0.01	1.15	21.1	560
MMS076	<0.05	0.03	0.07	0.021	0.05	16.1	10.6	0.8	1120	0.22	0.01	0.28	18.3	670
MMS077	<0.05	0.04	0.17	0.036	0.05	21.1	14.5	1.13	1740	0.68	0.01	0.58	24.1	940
MMS078	0.05	0.03	0.13	0.049	0.04	23.2	17.3	0.32	515	0.84	0.01	1.18	18.1	810

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
Sample #	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
AMS011	348	6.7	<0.001	0.07	10.65	2.6	1.5	3.2	29.2	0.01	0.04	2.3	0.02	0.15
AMS012	66.9	7.9	<0.001	0.02	1.54	3.1	0.3	1.1	10.3	0.01	0.02	6.6	0.033	0.08
AMS013	69.6	3.8	<0.001	0.02	5.13	3.7	0.6	0.8	15.9	<0.01	0.03	10.9	0.006	0.08
AMS014	79.9	6	<0.001	0.05	3.18	3.8	0.8	1.1	29.9	0.01	0.03	4	0.022	0.09
AMS015	44.2	6	<0.001	0.04	2.19	3.9	0.8	0.8	20.3	0.01	0.02	5.1	0.017	0.07
AMS016	68.5	15	<0.001	0.03	1.39	2.9	0.8	1.2	25.2	0.01	0.03	2.5	0.023	0.11
AMS017	57.2	11.3	<0.001	0.03	1.58	3.1	0.6	1.2	14.8	0.01	0.02	3	0.032	0.13
AMS018	191	2.9	<0.001	0.01	8.9	2.6	0.6	1.4	111	<0.01	0.03	9.5	0.005	0.05
AMS019	74.2	5	<0.001	0.02	3.13	4	0.7	0.5	17.6	0.01	0.02	5.9	0.013	0.06
AMS020	94.6	6.3	<0.001	0.03	3.48	3.3	1	0.9	25.7	0.01	0.03	3.3	0.023	0.07
AMS021	108	3.7	<0.001	0.02	4.65	2.9	0.5	0.8	34	<0.01	0.02	6.4	0.007	0.04
AMS022	46.2	4.8	<0.001	0.12	2.36	1.4	1.1	0.4	70.4	0.01	0.02	1.3	0.009	0.07
AMS023	90.7	12.7	<0.001	0.03	4.43	0.5	0.3	1.6	15.4	<0.01	0.02	0.9	0.008	0.14
AMS024	252	3.4	<0.001	0.01	4.05	1.9	0.6	2.4	308	<0.01	0.03	7.9	<0.005	0.06
DMS001	8	12.6	<0.001	0.02	0.31	0.8	0.2	0.5	4.5	<0.01	0.01	2.7	0.013	0.08
DMS002	9.8	12.4	<0.001	0.02	0.22	0.4	0.2	0.7	4.9	<0.01	0.01	0.7	0.007	0.07
DMS003	22.2	15.5	<0.001	0.04	0.57	0.2	0.2	0.6	6.9	<0.01	0.01	<0.2	0.01	0.06
DMS004	26.8	12.4	<0.001	0.01	0.92	0.8	0.3	0.7	5.5	<0.01	0.03	1.8	0.018	0.09
DMS005	29.2	7.2	<0.001	<0.01	1.01	1.1	0.2	0.6	4.8	<0.01	0.03	9.2	0.011	0.08
DMS006	71	11	<0.001	<0.01	2.22	2.2	0.4	1	9.8	<0.01	0.02	7.7	0.018	0.15
DMS007	119	6.9	<0.001	0.07	1.61	2	1.4	0.8	21.6	0.01	0.03	1.1	0.018	0.66
DMS008	45.5	8.6	<0.001	0.02	1.77	0.3	0.2	0.8	8.6	<0.01	0.01	0.3	0.011	0.11
DMS009	62	10.6	<0.001	0.02	2.36	0.5	0.4	1	8.8	<0.01	0.01	1.2	0.007	0.14
DMS010	79.8	20.8	<0.001	0.05	2.57	0.6	0.5	1.2	14.3	<0.01	0.01	0.6	0.019	0.13
DMS011	72.3	9.7	<0.001	0.02	3.22	1	0.3	2.2	14.8	<0.01	0.02	2	0.024	0.07
DMS012	252	13.3	<0.001	0.09	4.91	1.5	0.6	2	18.5	0.01	0.03	1.4	0.022	0.1
DMS013	39.3	14.2	<0.001	0.01	3.34	0.9	0.2	1	8.8	<0.01	0.02	6	0.006	0.13
DMS014	55.2	34.3	<0.001	<0.01	4.55	1.4	0.4	0.9	13.4	<0.01	0.01	4.4	0.041	0.27
DMS015	201	11.3	<0.001	<0.01	5.21	1.1	0.3	1.3	11.4	<0.01	0.01	8.6	0.009	0.16
DMS016	296	4.6	<0.001	0.01	3.85	2.4	1	1.6	58.5	<0.01	0.04	13.2	<0.005	0.1
DMS017	125	4.5	<0.001	0.15	1.71	1.7	3.2	0.8	129	0.01	0.02	1.6	0.005	0.03

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
Sample #	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
DMS018	231	4.7	<0.001	0.01	2.79	2.9	1.1	1.8	18.1	<0.01	0.03	11.8	<0.005	0.07
DMS019	301	9.5	<0.001	0.02	2.85	2.7	0.7	2.1	27	<0.01	0.03	6.5	0.006	0.08
DMS020	365	3.9	<0.001	0.01	6.21	2.8	0.7	1.7	43.1	<0.01	0.02	13.1	<0.005	0.07
DMS021	285	9.5	<0.001	0.05	8.12	2	1	2	61.9	0.01	0.03	3.3	0.006	0.08
DMS022	301	10.3	<0.001	0.01	7.8	3	0.8	1.9	18.6	<0.01	0.03	11.7	0.006	0.08
DMS023	215	7.4	<0.001	0.01	4.66	3.7	0.9	1.8	23.3	<0.01	0.03	11.9	<0.005	0.11
DMS024	149.5	7.6	<0.001	0.01	2.57	3.8	0.6	0.9	17.6	<0.01	0.03	15.9	<0.005	0.1
DMS025	155.5	10.3	<0.001	0.01	3.68	3.5	0.9	1.1	33.2	0.01	0.03	8.1	0.019	0.09
DMS026	270	5.1	<0.001	0.02	8.73	5.7	1.5	1	27.9	0.01	0.05	14.8	0.008	0.09
DMS027	122	4.8	<0.001	0.01	3.75	4.7	1.2	0.8	22.8	<0.01	0.03	15.2	0.007	0.07
DMS028	143	9	<0.001	0.01	3.35	3.8	0.7	0.8	26.9	<0.01	0.04	14.1	0.01	0.08
DMS029	94	8.4	<0.001	0.01	2.23	3.4	0.8	0.6	56.3	0.01	0.03	11.7	0.022	0.06
DMS030	113	5	<0.001	0.03	3.28	3.6	1.4	0.5	183	0.01	0.02	9.8	0.009	0.06
DMS031	125.5	5.6	<0.001	0.02	4.23	2.6	0.6	0.6	47.4	<0.01	0.03	8.6	0.006	0.05
DMS032	102.5	6.1	<0.001	0.01	1.67	4.3	1	0.4	28.7	0.01	0.03	14.1	0.011	0.07
DMS033	102	4.8	<0.001	0.02	2.11	4.7	1.4	0.5	28.1	0.01	0.02	12.3	0.009	0.06
DMS034	76.2	8.4	<0.001	0.02	1.38	4.4	0.8	0.6	29.7	0.01	0.03	11	0.015	0.07
MMS044	194.5	29.5	<0.001	0.08	2.87	0.7	0.4	1.5	18.9	0.01	0.02	0.7	0.012	0.12
MMS045	85.5	8.1	<0.001	0.02	2.37	3.1	0.8	0.8	22.7	<0.01	0.03	6.8	0.011	0.1
MMS046	273	11	<0.001	0.04	7.95	1.6	0.7	1.8	42.7	<0.01	0.01	3	0.01	0.12
MMS047	104	6.9	<0.001	0.01	2.93	2.2	0.4	0.8	20.2	<0.01	0.03	8.9	0.011	0.08
MMS048	242	8.3	<0.001	0.02	5.15	2	0.3	1.1	29.7	<0.01	0.03	6.9	0.01	0.09
MMS049	165.5	8.3	<0.001	0.04	3.11	1.7	0.3	1	31.4	<0.01	0.01	2.6	0.011	0.07
MMS050	210	7	<0.001	0.1	3.92	0.9	0.6	1.2	66.5	0.01	0.02	1.4	0.008	0.06
MMS051	118.5	8.1	<0.001	0.08	3.47	1.5	0.8	0.9	40.7	0.01	0.02	2.5	0.011	0.07
MMS052	201	5.1	0.001	0.11	3.71	0.6	0.6	0.9	75.4	0.01	0.02	0.7	0.009	0.07
MMS053	81.4	5.1	<0.001	<0.01	1.86	1.2	<0.2	0.8	12.2	<0.01	0.01	3.7	0.019	0.1
MMS054	**304**	14.1	<0.001	0.03	5.17	1.5	0.2	2.7	15.2	<0.01	0.02	1.7	0.01	0.17
MMS055	131.5	6.7	<0.001	0.04	6.12	2.7	0.9	1.8	16.8	<0.01	0.03	2.5	0.019	0.09
MMS056	131	18.7	<0.001	0.03	2.85	1.7	0.6	1.4	12.4	<0.01	0.02	2	0.011	0.19
MMS057	49.5	14.3	<0.001	0.03	2.45	0.7	0.4	1.2	7.6	<0.01	0.01	0.5	0.008	0.19
MMS058	31.9	8.7	<0.001	0.03	0.34	2	0.4	0.5	16.5	<0.01	0.03	4.5	0.006	0.07

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
Sample #	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
MMS059	57.9	8.8	<0.001	0.02	0.82	2.7	0.9	0.5	12.9	<0.01	0.03	10.3	0.006	0.06
MMS060	98.8	4.5	<0.001	0.02	0.97	0.4	0.2	0.4	5.6	<0.01	0.06	0.7	0.007	0.03
MMS061	201	12.3	<0.001	0.04	0.52	1.3	0.4	0.6	27.4	<0.01	0.03	1.3	0.018	0.06
MMS062	93.7	4.5	<0.001	0.02	0.67	1.8	0.4	0.6	21.1	<0.01	0.03	6.9	0.006	0.05
MMS063	121	4.6	<0.001	0.01	0.88	1.9	0.4	0.4	22.4	<0.01	0.04	11.7	0.005	0.07
MMS064	81.9	4.6	<0.001	0.02	0.8	2	0.6	0.5	20.2	<0.01	0.02	7	0.005	0.07
MMS065	77.5	9.3	<0.001	0.03	0.74	2.8	0.7	0.6	19.4	0.01	0.02	5.6	0.014	0.12
MMS066	130.5	5.7	<0.001	0.05	1.28	1.8	0.7	0.5	22.9	<0.01	0.02	3.7	0.006	0.28
MMS067	167	6.8	<0.001	0.01	1.28	2.9	0.7	0.6	21.1	<0.01	0.03	10.8	0.005	0.53
MMS068	102.5	5.6	<0.001	0.03	0.93	1.8	0.7	0.6	17	0.01	0.04	4.7	0.01	0.16
MMS069	238	5.4	<0.001	0.01	1.35	2.3	0.6	0.7	22.3	<0.01	0.05	13.5	<0.005	0.33
MMS070	144.5	4.5	<0.001	0.01	0.95	2.9	0.6	0.7	4.5	0.01	0.03	12.6	<0.005	0.13
MMS071	184.5	4.9	<0.001	0.01	1.29	2.1	0.6	1.2	36.3	<0.01	0.03	11.3	<0.005	0.16
MMS072	112.5	7.9	<0.001	0.02	0.6	2.1	0.5	1	10.1	<0.01	0.03	5	0.016	0.12
MMS073	185	6.7	<0.001	0.03	0.89	2	0.5	1.1	10.7	<0.01	0.03	3.5	0.016	0.1
MMS074	161	6.4	<0.001	0.04	1.13	1.9	0.5	0.6	15.8	<0.01	0.03	4.3	0.008	0.15
MMS075	279	9.2	<0.001	0.02	1.21	3.3	0.6	1.6	9.3	<0.01	0.05	5.7	0.022	0.21
MMS076	**524**	3.3	<0.001	0.01	1.54	1.4	0.6	1.6	102.5	<0.01	0.04	4.6	0.005	0.2
MMS077	**961**	6.3	<0.001	0.03	2.08	2	0.7	2.2	36.7	<0.01	0.04	4.1	0.014	0.19
MMS078	621	7.6	<0.001	0.03	0.87	2.5	0.5	0.8	12.8	0.01	0.04	3.6	0.023	0.19

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	U	V	W	Y	Zn	Zr
Sample #	ppm	ppm	ppm	ppm	ppm	ppm
AMS011	1.49	18	0.31	29.2	1060	1
AMS012	1.13	26	0.22	7.68	406	0.8
AMS013	0.96	13	0.17	16.75	198	0.8
AMS014	4.21	19	0.19	18.95	330	0.8
AMS015	2.47	16	0.17	15.9	177	0.9
AMS016	1.66	28	0.33	15.5	244	<0.5
AMS017	2.67	32	0.54	14.55	543	0.5
AMS018	0.62	9	0.13	9.37	363	0.8
AMS019	0.88	13	0.81	14.45	190	0.5
AMS020	0.91	19	0.17	20.1	287	0.7
AMS021	0.53	12	0.13	11.85	279	0.9
AMS022	1.5	10	0.08	14.5	193	1.3
AMS023	0.5	13	0.16	3.66	135	<0.5
AMS024	0.45	5	0.17	10.2	1120	1.3
DMS001	0.61	17	0.16	2.86	29	<0.5
DMS002	0.48	15	0.13	3.29	32	<0.5
DMS003	0.59	16	0.3	3.08	57	<0.5
DMS004	0.6	22	0.27	3.59	85	<0.5
DMS005	0.59	17	0.2	4.9	99	<0.5
DMS006	0.8	23	0.29	7.32	407	<0.5
DMS007	1.34	20	0.21	34.8	**1580**	<0.5
DMS008	0.54	18	0.22	3.63	117	<0.5
DMS009	0.66	12	0.19	6.02	217	<0.5
DMS010	1.23	17	0.18	10.2	559	<0.5
DMS011	0.75	16	0.21	7.61	369	<0.5
DMS012	3.48	25	0.27	12.4	573	0.9
DMS013	0.5	11	0.21	4.08	172	<0.5
DMS014	0.45	14	0.19	5.15	208	<0.5
DMS015	0.5	10	0.16	4.89	217	<0.5
DMS016	0.86	16	0.07	14.45	831	2.8
DMS017	6.7	10	0.08	19.3	512	2.4

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	U	V	W	Y	Zn	Zr
Sample #	ppm	ppm	ppm	ppm	ppm	ppm
DMS017	1.65	14	0.08	17.5	781	2.4
DMS018						
DMS019	1.76	18	0.09	13.4	775	1.8
DMS020	0.88	12	0.07	16.75	620	2.7
DMS021	1.53	15	0.09	19.1	722	2.6
DMS022	0.77	16	0.08	12.35	813	2.8
DMS023	0.85	16	0.08	18.45	763	2.9
DMS024	0.69	15	0.08	21.4	315	4.8
DMS025	1.01	22	0.11	18.2	643	2.3
DMS026	1.07	14	0.1	47.9	437	4
DMS027	0.74	15	0.11	31.3	209	5.7
DMS028	0.79	15	0.1	17.1	320	4.9
DMS029	0.78	21	0.31	17.95	184	4.9
DMS030	0.61	12	0.09	31.1	156	2.6
DMS031	0.9	12	0.08	14.35	205	2
DMS032	0.88	15	0.11	29.2	102	5.5
DMS033	0.84	12	0.15	35.2	142	4
DMS034	0.98	19	0.13	18.85	110	3.7
MMS044	1.28	16	0.27	7.34	332	<0.5
MMS045	0.93	11	0.16	18.4	269	0.8
MMS046	1.79	11	0.23	9.61	432	0.8
MMS047	0.77	12	0.16	11.3	270	0.8
MMS048	0.8	10	0.2	10.4	378	0.9
MMS049	1.51	12	0.14	12.95	315	0.7
MMS050	2.38	9	0.1	10.15	362	1
MMS051	1.7	12	0.15	11.05	344	1.1
MMS052	2.47	9	0.1	9.37	269	1
MMS053	0.76	17	0.22	4.1	158	<0.5
MMS054	1.11	23	0.45	7.98	**617**	<0.5
MMS055	0.93	25	0.3	14	408	0.6
MMS056	1.03	24	0.45	7.51	558	<0.5
MMS057	0.65	19	0.24	3.58	254	<0.5
MMS058	0.52	16	0.11	7.25	182	1.1

Appendix 1b: Soil sample descriptions and analytical results - MR 1-28 and MFW 1-22 claims, Yukon

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	U	V	W	Y	Zn	Zr
Sample #	ppm	ppm	ppm	ppm	ppm	ppm
MMS059	0.86	11	0.11	20.6	167	1
MMS060	0.57	12	0.1	4.29	105	<0.5
MMS061	0.91	20	0.21	10.65	130	<0.5
MMS062	0.54	9	0.08	12.85	134	1.4
MMS063	0.55	9	0.06	10.95	242	1.6
MMS064	0.66	10	0.07	13.55	247	1.3
MMS065	0.9	19	0.15	14	**818**	0.8
MMS066	0.74	9	0.22	13.85	**1180**	1.1
MMS067	0.62	11	0.09	16.2	**1220**	1.2
MMS068	0.6	13	0.09	13.85	**610**	0.9
MMS069	0.63	10	0.06	18.95	**1040**	1.2
MMS070	0.76	9	0.07	16	**483**	0.7
MMS071	0.57	10	0.07	17	**627**	1.2
MMS072	0.61	23	0.15	7.06	**892**	0.9
MMS073	0.86	22	0.14	6.27	**802**	0.8
MMS074	0.94	14	0.09	10.65	**528**	1.1
MMS075	0.7	25	0.16	18.5	**1060**	1.2
MMS076	0.43	8	0.07	10.2	**1300**	0.8
MMS077	0.73	19	0.47	12.9	**2140**	1.1
MMS078	1.19	25	0.25	9.77	**1160**	0.7

ALS Canada Ltd.
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To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 12- JUL- 2016
Account: CATRES

CERTIFICATE VA16099385

Project: MR Project

This report is for 4 Rock samples submitted to our lab in Whitehorse, YT, Canada on 22- JUN- 2016.

The following have access to data associated with this certificate:

MIKE CATHRO	DON COOLIDGE	ADAM TRAVIS

Rocks

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
CRU- 32	Fine Crushing 90%< 2mm
BAG- 01	Bulk Master for Storage
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 35y	Pulv 500 g Split to 95%< 106 um
SPL- 21	Split sample - riffle splitter
LOG- 22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS41	Ultra Trace Aqua Regia ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: **CATHRO RESOURCES**
ATTN: MIKE CATHRO
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

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

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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KAMLOOPS BC V1S 0A3

Finalized Date: 12- JUL- 2016
Account: CATRES

Project: MR Project

CERTIFICATE OF ANALYSIS VA16099385

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
MMR004		1.36	0.317	>100	0.98	8580	0.4	<10	190	0.81	54.2	0.25	26.0	34.6	5.8	14
MMR005		1.58	0.226	>100	0.48	5360	0.2	<10	250	0.78	42.8	0.20	33.0	16.30	8.0	9
MMR006		1.62	0.370	>100	1.05	>10000	0.4	<10	90	1.10	148.0	0.35	34.4	14.30	2.6	9
MMR007		1.10	0.004	8.15	0.40	217	<0.2	<10	70	0.17	0.77	0.03	1.33	66.7	0.3	14

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CERTIFICATE OF ANALYSIS VA16099385

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
MMR004		0.49	1320	15.55	8.86	0.08	0.02	0.30	127.0	0.16	14.2	1.9	0.02	133	1.46	0.01
MMR005		0.31	787	19.65	7.10	0.07	<0.02	0.27	141.5	0.07	6.1	2.1	0.01	108	2.16	0.01
MMR006		0.31	1765	9.87	4.93	0.06	<0.02	0.51	97.4	0.07	4.7	2.0	0.01	65	1.03	0.01
MMR007		0.23	16.0	1.22	1.70	0.07	0.03	<0.01	3.63	0.26	22.7	0.8	0.01	49	0.74	0.02

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Project: MR Project

CERTIFICATE OF ANALYSIS VA16099385

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
MMR004		<0.05	16.4	>10000	>10000	6.7	<0.001	1.05	194.0	2.5	0.8	>500	126.5	<0.01	0.29	4.5
MMR005		<0.05	21.3	9280	>10000	3.8	<0.001	0.83	314	1.9	1.0	>500	104.0	<0.01	0.20	4.5
MMR006		<0.05	8.2	>10000	>10000	3.3	<0.001	1.53	496	1.7	2.4	>500	46.1	<0.01	0.82	3.5
MMR007		<0.05	1.4	970	2700	9.2	<0.001	0.11	5.32	1.1	0.2	14.7	16.0	<0.01	0.03	3.3

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 12- JUL- 2016
Account: CATRES

Project: MR Project

CERTIFICATE OF ANALYSIS VA16099385

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-OG62	Pb-OG62
	Analyte	Tl	Tl	U	V	W	Y	Zn	Zr	Ag	Pb
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001
MMR004		<0.005	0.15	7.72	9	2.86	6.16	6140	0.9	336	11.10
MMR005		<0.005	0.10	3.41	7	4.02	6.60	8200	<0.5	263	4.54
MMR006		<0.005	0.08	13.60	4	6.75	11.70	4940	<0.5	936	>20.0
MMR007		<0.005	0.11	0.29	4	0.09	2.88	197	1.1		

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 12- JUL- 2016
Account: CATRES

Project: MR Project

CERTIFICATE OF ANALYSIS VA16099385

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- OG62	Au- ICP21	BAG- 01	CRU- 32
CRU- QC	LOG- 22	ME- MS41	ME- OG62
Pb- OG62	PUL- 35y	PUL- QC	SPL- 21
WEI- 21			

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KAMLOOPS BC V1S 0A3

Finalized Date: 21- JUL- 2016
This copy reported on
3- AUG- 2016
Account: CATRES

CERTIFICATE VA16112618

Project: MR Project

This report is for 3 Rock samples submitted to our lab in Whitehorse, YT, Canada on 12- JUL- 2016.

The following have access to data associated with this certificate:

MIKE CATHRO	DON COOLIDGE	ADAM TRAVIS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
Pb- VOL70	Pb by Titration	
ME- XRF15c	Base Metal Concentrates by XRF	XRF

To: **CATHRO RESOURCES**
ATTN: MIKE CATHRO
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

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

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 21- JUL- 2016
Account: CATRES

Project: MR Project

CERTIFICATE OF ANALYSIS VA16112618

Sample Description	Method	Pb- VOL70	ME- XRF15c
	Analyte	Pb	Sn
	Units	%	%
	LOR	0.01	0.01
MMR004			0.39
MMR005			0.47
MMR006		30.00	0.32

***** See Appendix Page for comments regarding this certificate *****

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To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 21- JUL- 2016
Account: CATRES

Project: MR Project

CERTIFICATE OF ANALYSIS VA16112618

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

FND- 02	ME- XRF15c	Pb- VOL70

ALS Canada Ltd.
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To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 19- SEP- 2016
This copy reported on
20- SEP- 2016
Account: CATRES

CERTIFICATE WH16140731

Project: MR

This report is for 11 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 2016.

The following have access to data associated with this certificate:

MIKE CATHRO	DON COOLIDGE	ADAM TRAVIS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
CRU- 32	Fine Crushing 90%< 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 35y	Pulv 500 g Split to 95%< 106 um
SPL- 21	Split sample - riffle splitter
LOG- 22	Sample login - Rcd w/o BarCode
BAG- 01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS41	Ultra Trace Aqua Regia ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: **CATHRO RESOURCES**
ATTN: MIKE CATHRO
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KAMLOOPS BC V1S 0A3

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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **CATHRO RESOURCES**
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KAMLOOPS BC V1S 0A3

Finalized Date: 19- SEP- 2016
Account: CATRES

Project: MR

CERTIFICATE OF ANALYSIS WH16140731

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
MMR008		1.06	<0.001	0.26	0.62	7.1	<0.2	<10	>10000	0.14	0.05	18.30	64.5	9.37	2.3	4
MMR009		0.86	0.001	0.05	0.09	10.2	<0.2	<10	40	0.12	0.04	17.45	0.39	36.0	1.2	3
MMR010		0.88	0.001	0.54	0.07	68.1	<0.2	<10	210	0.12	0.84	>25.0	1.36	6.08	5.3	2
MMR011		0.92	<0.001	0.03	0.08	1.5	<0.2	<10	760	<0.05	0.01	>25.0	27.4	18.35	1.3	1
MMR012		0.82	<0.001	0.03	0.01	3.6	<0.2	<10	30	0.05	0.01	>25.0	0.23	2.22	0.7	1
MMR013		0.82	<0.001	<0.01	0.08	0.7	<0.2	<10	20	<0.05	0.01	0.09	0.19	3.37	0.3	6
MMR014		0.88	<0.001	0.11	0.01	9.4	<0.2	<10	20	0.07	0.01	22.6	0.15	3.34	0.6	2
MMR015		0.82	<0.001	0.20	0.02	3.3	<0.2	<10	30	0.08	0.01	20.1	1.12	5.32	0.8	2
MMR016		0.88	<0.001	0.02	0.02	1.5	<0.2	<10	10	0.06	0.02	20.8	0.10	3.49	0.6	1
MMR017		1.00	<0.001	0.73	0.44	3.5	<0.2	<10	9590	<0.05	0.02	>25.0	13.95	8.32	2.0	1
MMR018		1.16	0.002	1.12	1.99	31.7	<0.2	<10	830	<0.05	0.21	0.11	2.05	13.85	0.7	11

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To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 19- SEP- 2016
Account: CATRES

Project: MR

CERTIFICATE OF ANALYSIS WH16140731

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
MMR008		<0.05	15.3	0.64	2.15	<0.05	0.02	4.03	0.006	0.01	5.4	0.2	0.12	368	0.21	<0.01
MMR009		0.05	4.3	2.75	0.49	<0.05	<0.02	0.01	0.009	0.07	15.3	1.8	4.18	996	0.17	0.01
MMR010		<0.05	4.1	3.76	0.25	<0.05	0.03	0.04	0.032	0.03	2.8	0.6	0.77	1680	0.22	<0.01
MMR011		<0.05	3.0	0.45	0.73	<0.05	<0.02	0.62	0.012	<0.01	10.5	2.8	0.28	1300	0.06	<0.01
MMR012		<0.05	1.0	0.78	0.10	<0.05	<0.02	<0.01	<0.005	<0.01	1.2	2.5	6.46	1280	<0.05	0.01
MMR013		<0.05	1.0	0.36	0.22	<0.05	<0.02	<0.01	<0.005	0.05	1.9	0.2	0.01	114	0.21	<0.01
MMR014		0.08	1.1	1.29	0.13	<0.05	<0.02	<0.01	0.014	<0.01	1.6	2.8	9.36	1740	<0.05	0.01
MMR015		0.08	2.9	1.20	0.16	<0.05	<0.02	0.01	0.026	<0.01	1.8	3.1	9.06	1760	0.16	<0.01
MMR016		0.09	1.2	1.50	0.15	<0.05	<0.02	<0.01	0.011	0.01	1.5	3.0	10.75	1700	<0.05	<0.01
MMR017		<0.05	3.2	0.35	0.97	<0.05	0.02	0.55	0.006	<0.01	5.0	0.3	0.42	642	0.08	<0.01
MMR018		<0.05	12.8	3.22	4.28	<0.05	0.07	0.82	0.009	0.01	8.6	3.4	0.02	31	1.67	<0.01

***** See Appendix Page for comments regarding this certificate *****

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To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 19- SEP- 2016
Account: CATRES

Project: MR

CERTIFICATE OF ANALYSIS WH16140731

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
MMR008		<0.05	5.2	670	76.3	0.3	<0.001	<0.01	1.86	3.2	0.8	0.2	245	<0.01	0.09	1.3
MMR009		<0.05	3.1	1570	12.1	1.9	<0.001	0.04	0.12	0.7	0.3	<0.2	153.5	<0.01	<0.01	2.9
MMR010		<0.05	11.6	860	146.0	1.1	<0.001	<0.01	1.19	1.5	0.6	<0.2	80.2	<0.01	0.11	1.4
MMR011		<0.05	2.2	60	49.4	0.1	<0.001	<0.01	0.25	4.4	0.7	<0.2	4700	<0.01	0.02	0.2
MMR012		<0.05	1.4	60	4.7	0.2	<0.001	<0.01	0.10	0.4	0.4	<0.2	155.5	<0.01	0.01	0.3
MMR013		<0.05	1.3	10	5.2	1.4	<0.001	<0.01	0.07	0.1	<0.2	<0.2	2.5	<0.01	0.01	1.2
MMR014		<0.05	1.4	20	23.5	0.2	<0.001	<0.01	0.20	0.3	0.3	<0.2	170.5	<0.01	<0.01	0.2
MMR015		<0.05	1.9	120	83.7	0.2	<0.001	<0.01	0.59	0.3	0.4	1.0	226	<0.01	0.01	0.2
MMR016		<0.05	1.6	90	6.5	0.3	<0.001	<0.01	0.10	0.3	0.3	<0.2	172.0	<0.01	0.01	0.3
MMR017		<0.05	4.6	450	553	0.2	<0.001	<0.01	0.65	2.0	0.3	<0.2	661	<0.01	0.04	1.1
MMR018		<0.05	5.0	1250	>10000	0.2	<0.001	0.13	27.7	1.1	0.4	2.2	11.2	<0.01	0.37	5.3

***** See Appendix Page for comments regarding this certificate *****

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To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 19- SEP- 2016
Account: CATRES

Project: MR

CERTIFICATE OF ANALYSIS WH16140731

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Pb-OG62	Zn-OG62
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	Pb	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001	0.001
MMR008		<0.005	0.41	0.30	4	0.06	5.14	>10000	0.8		1.560
MMR009		<0.005	0.02	0.47	4	0.07	3.35	68	<0.5		
MMR010		<0.005	0.19	1.86	7	0.09	6.83	521	1.2		
MMR011		<0.005	0.19	0.26	8	<0.05	7.67	4870	<0.5		
MMR012		<0.005	0.05	0.78	6	<0.05	1.90	31	<0.5		
MMR013		<0.005	<0.02	0.06	1	0.11	0.36	12	<0.5		
MMR014		<0.005	0.02	0.15	6	0.06	2.03	74	<0.5		
MMR015		<0.005	0.07	0.34	5	0.13	2.42	589	<0.5		
MMR016		<0.005	<0.02	0.37	4	0.05	1.53	34	<0.5		
MMR017		<0.005	0.11	0.42	2	<0.05	8.40	2350	0.7		
MMR018		<0.005	0.09	1.80	7	<0.05	0.57	1330	2.3	1.865	

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19- SEP- 2016
Account: CATRES

Project: MR

CERTIFICATE OF ANALYSIS WH16140731

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- ICP21	BAG- 01	CRU- 32	CRU- QC
LOG- 22	ME- MS41	ME- OG62	Pb- OG62
PUL- 35y	PUL- QC	SPL- 21	WEI- 21
Zn- OG62			

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To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 23- SEP- 2016
Account: CATRES

CERTIFICATE WH16135114

Project: MR

This report is for 83 Soil samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 2016.

The following have access to data associated with this certificate:

MIKE CATHRO	DON COOLIDGE	ADAM TRAVIS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	Ultra Trace Aqua Regia ICP- MS	

Soils

To: **CATHRO RESOURCES**
ATTN: MIKE CATHRO
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

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

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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KAMLOOPS BC V1S 0A3

Finalized Date: 23- SEP- 2016
Account: CATRES

Project: MR

CERTIFICATE OF ANALYSIS WH16135114

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
MMS044		0.42	<0.001	0.62	1.04	61.7	<0.2	<10	300	0.52	0.26	0.46	1.75	36.0	6.6	13
MMS045		0.54	0.003	0.85	0.96	65.1	<0.2	<10	320	0.41	0.35	0.85	1.11	53.6	11.5	12
MMS046		0.38	0.001	1.48	0.86	86.0	<0.2	<10	590	0.38	0.21	1.04	1.21	37.0	8.2	11
MMS047		0.56	0.003	1.03	1.02	61.5	<0.2	<10	580	0.35	0.21	0.54	0.57	54.1	9.7	13
MMS048		0.50	0.008	1.01	0.90	92.1	<0.2	<10	980	0.34	0.21	0.67	1.19	47.4	10.9	11
MMS049		0.52	0.001	1.59	1.05	65.7	<0.2	<10	950	0.42	0.21	1.00	0.98	42.1	9.0	13
MMS050		0.26	0.001	1.82	0.85	52.5	<0.2	<10	570	0.30	0.15	2.59	1.23	25.4	6.2	10
MMS051		0.44	0.002	1.50	1.12	47.6	<0.2	<10	660	0.37	0.21	1.84	0.79	35.0	7.2	14
MMS052		0.32	0.005	1.74	0.77	41.4	<0.2	<10	430	0.30	0.14	3.28	1.20	22.5	5.8	9
MMS053		0.56	<0.001	0.49	1.00	30.8	<0.2	<10	120	0.29	0.22	0.28	0.16	32.5	4.1	14
MMS054		0.44	0.001	1.17	1.52	110.0	<0.2	<10	470	0.67	0.23	0.28	1.44	42.3	6.5	16
MMS055		0.44	<0.001	6.66	1.47	42.1	<0.2	<10	80	0.66	0.34	0.95	1.00	34.0	7.1	22
MMS056		0.40	<0.001	0.63	1.85	58.1	<0.2	<10	210	0.96	0.30	0.20	2.62	69.2	10.4	18
MMS057		0.48	<0.001	0.70	1.36	43.8	<0.2	<10	120	0.39	0.24	0.07	0.75	48.7	4.2	17
MMS058		0.26	<0.001	0.04	1.46	18.0	<0.2	<10	120	0.40	0.38	0.35	0.52	52.4	8.6	17
MMS059		0.40	<0.001	0.21	1.09	38.1	<0.2	<10	60	0.50	0.35	0.10	0.80	64.5	15.6	14
MMS060		0.40	<0.001	0.20	0.55	27.0	<0.2	<10	50	0.23	0.30	0.04	0.64	36.0	11.0	7
MMS061		0.20	<0.001	0.20	1.05	15.3	<0.2	<10	100	0.39	0.29	0.53	1.14	43.7	9.2	14
MMS062		0.38	<0.001	0.18	0.98	28.7	<0.2	<10	70	0.29	0.25	0.45	0.47	46.2	10.7	13
MMS063		0.48	0.001	0.20	0.99	32.7	<0.2	<10	70	0.31	0.23	1.41	0.95	57.5	13.0	14
MMS064		0.36	<0.001	0.13	0.98	31.3	<0.2	<10	100	0.33	0.27	0.53	1.11	53.3	11.6	12
MMS065		0.28	<0.001	0.12	1.27	23.2	<0.2	<10	90	0.59	0.31	0.66	4.92	61.8	9.9	16
MMS066		0.26	<0.001	0.62	0.86	34.1	<0.2	<10	80	0.32	0.24	1.24	4.09	41.9	9.3	12
MMS067		0.44	0.001	0.64	1.10	42.9	<0.2	<10	80	0.44	0.25	1.42	3.51	69.3	13.7	14
MMS068		0.22	<0.001	0.31	1.06	27.3	<0.2	<10	100	0.36	0.24	0.74	3.01	41.2	8.3	12
MMS069		0.46	0.002	0.65	1.06	42.6	<0.2	<10	160	0.47	0.22	1.32	4.99	71.4	14.9	13
MMS070		0.34	0.003	0.29	1.00	44.5	<0.2	<10	70	0.59	0.23	0.10	1.95	70.3	13.3	12
MMS071		0.54	0.003	0.50	1.02	40.3	<0.2	<10	160	0.36	0.22	3.02	2.78	61.5	13.8	13
MMS072		0.46	0.001	0.46	1.53	19.1	<0.2	<10	180	0.43	0.25	0.45	2.60	42.0	7.6	21
MMS073		0.30	<0.001	0.43	1.35	40.2	<0.2	<10	290	0.44	0.26	0.50	2.61	35.0	6.7	20
MMS074		0.28	<0.001	0.29	1.28	21.0	<0.2	<10	330	0.43	0.25	0.89	1.95	45.5	8.3	14
MMS075		0.36	<0.001	0.41	1.39	29.0	<0.2	<10	260	0.62	0.26	0.40	4.15	48.1	8.3	21
MMS076		0.44	<0.001	0.42	0.68	27.1	<0.2	<10	760	0.27	0.12	13.85	4.88	31.2	6.9	8
MMS077		0.30	<0.001	0.84	1.10	45.5	<0.2	<10	1710	0.43	0.25	3.17	5.22	38.9	9.0	15
MMS078		0.22	<0.001	0.32	1.37	21.2	<0.2	<10	400	0.48	0.32	0.57	3.54	42.3	7.6	19
AMS011		0.26	0.008	17.95	1.23	143.5	<0.2	<10	100	0.64	0.30	1.62	5.24	44.3	7.7	16
AMS012		0.40	<0.001	1.51	1.50	31.9	<0.2	<10	50	0.57	0.33	0.32	1.30	40.4	7.6	21
AMS013		0.44	<0.001	3.48	1.12	50.6	<0.2	<10	70	0.40	0.17	0.66	0.78	58.8	19.1	16
AMS014		0.32	0.001	4.56	1.37	51.1	<0.2	<10	80	0.60	0.29	0.86	1.50	43.5	8.5	19
AMS015		0.44	<0.001	2.30	1.33	46.4	<0.2	<10	60	0.41	0.22	0.54	0.27	50.5	6.5	20

***** See Appendix Page for comments regarding this certificate *****

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To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 23- SEP- 2016
Account: CATRES

Project: MR

CERTIFICATE OF ANALYSIS WH16135114

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
MMS044		1.53	12.5	2.50	3.86	<0.05	<0.02	0.03	0.039	0.08	17.7	10.6	0.22	1030	0.55	0.01
MMS045		0.95	20.2	4.15	2.83	<0.05	0.02	0.02	0.033	0.05	28.0	11.1	0.32	1360	0.29	0.01
MMS046		0.90	18.6	2.79	2.64	<0.05	0.03	0.03	0.045	0.06	19.4	9.3	0.25	741	0.42	0.01
MMS047		0.87	16.8	2.87	2.98	<0.05	0.02	0.02	0.024	0.06	28.0	12.9	0.34	701	0.31	0.01
MMS048		0.74	18.7	2.94	2.65	<0.05	0.02	0.02	0.034	0.06	23.5	10.9	0.30	1040	0.40	0.01
MMS049		0.74	17.7	2.69	3.07	<0.05	0.02	0.03	0.036	0.05	22.8	11.2	0.29	872	0.44	0.01
MMS050		0.53	17.6	2.08	2.32	<0.05	0.02	0.05	0.030	0.04	13.8	8.7	0.29	765	0.34	0.01
MMS051		0.80	16.6	2.61	3.14	<0.05	0.03	0.03	0.030	0.06	18.6	12.5	0.38	737	0.39	0.01
MMS052		0.47	18.5	1.77	2.11	<0.05	0.03	0.05	0.027	0.03	12.4	6.8	0.32	749	0.37	0.01
MMS053		1.22	5.5	1.89	3.43	<0.05	<0.02	0.02	0.020	0.03	16.4	14.2	0.30	188	0.31	0.01
MMS054		1.16	12.6	3.12	4.71	<0.05	<0.02	0.03	0.065	0.06	22.0	13.9	0.21	1240	0.53	0.01
MMS055		1.12	11.5	2.83	4.41	0.05	0.02	0.07	0.031	0.04	23.1	16.3	0.43	1130	0.36	<0.01
MMS056		1.64	10.9	3.32	5.45	0.05	<0.02	0.03	0.030	0.08	28.8	16.6	0.24	2730	0.72	<0.01
MMS057		1.20	8.0	2.51	4.46	0.05	<0.02	0.02	0.023	0.06	24.2	14.5	0.31	456	0.58	<0.01
MMS058		0.82	11.0	3.60	4.43	0.05	0.04	0.01	0.025	0.09	25.3	14.9	0.31	503	0.28	0.01
MMS059		0.73	12.2	3.55	2.70	0.07	0.03	0.02	0.037	0.07	29.3	12.1	0.23	1060	0.24	<0.01
MMS060		0.48	10.8	2.39	2.35	<0.05	<0.02	0.01	0.047	0.03	16.8	6.1	0.08	725	0.35	0.01
MMS061		1.26	9.9	2.22	4.11	<0.05	<0.02	0.04	0.029	0.05	21.3	14.6	0.26	692	0.41	0.01
MMS062		0.62	12.8	2.84	2.73	<0.05	0.05	0.02	0.069	0.06	23.9	13.3	0.31	469	0.17	0.01
MMS063		0.69	18.6	3.07	2.97	0.06	0.05	0.02	0.038	0.06	28.9	15.4	0.76	583	0.18	0.01
MMS064		0.55	14.0	3.15	2.82	0.05	0.05	0.02	0.041	0.06	26.4	11.9	0.25	637	0.21	<0.01
MMS065		0.97	12.2	3.38	4.10	0.06	0.03	0.04	0.038	0.06	25.8	13.7	0.26	1340	0.42	0.01
MMS066		0.54	17.4	2.87	2.51	0.05	0.04	0.05	0.029	0.07	21.9	10.8	0.26	770	0.31	0.01
MMS067		0.72	20.5	3.52	3.34	0.07	0.04	0.05	0.037	0.09	34.2	15.7	0.41	1120	0.36	0.01
MMS068		0.56	15.9	2.79	3.53	0.05	0.03	0.05	0.034	0.05	22.8	13.8	0.27	821	0.47	0.01
MMS069		0.67	20.7	3.51	3.23	0.07	0.04	0.07	0.038	0.08	35.8	17.4	0.38	1500	0.33	0.01
MMS070		0.47	14.6	2.89	2.20	0.07	0.02	0.05	0.063	0.03	32.5	12.8	0.18	734	0.31	<0.01
MMS071		0.57	19.7	3.27	3.03	0.06	0.04	0.04	0.054	0.07	30.9	15.7	0.83	1300	0.28	0.01
MMS072		0.97	8.4	3.07	4.73	<0.05	0.03	0.06	0.037	0.05	22.5	18.0	0.35	674	0.34	0.01
MMS073		0.80	8.1	3.61	4.35	<0.05	0.03	0.04	0.056	0.05	18.6	15.4	0.30	543	0.61	0.01
MMS074		0.66	14.7	3.17	3.86	0.05	0.03	0.05	0.030	0.06	24.7	16.4	0.28	786	0.79	0.01
MMS075		0.84	9.3	3.04	4.38	0.06	0.04	0.08	0.034	0.05	27.8	15.5	0.35	986	0.42	0.01
MMS076		0.39	10.8	1.87	1.93	<0.05	0.03	0.07	0.021	0.05	16.1	10.6	0.80	1120	0.22	0.01
MMS077		0.67	15.7	3.20	3.24	<0.05	0.04	0.17	0.036	0.05	21.1	14.5	1.13	1740	0.68	0.01
MMS078		1.21	10.6	3.41	4.50	0.05	0.03	0.13	0.049	0.04	23.2	17.3	0.32	515	0.84	0.01
AMS011		1.23	17.8	3.46	3.67	0.06	0.04	0.09	0.039	0.04	31.5	12.7	0.53	4050	0.49	0.01
AMS012		1.50	10.1	3.38	5.20	<0.05	0.02	0.03	0.048	0.03	21.8	18.7	0.47	877	0.49	0.01
AMS013		1.35	17.5	3.83	3.40	0.07	0.03	0.02	0.026	0.04	30.7	17.9	0.53	1830	0.54	0.01
AMS014		1.24	16.2	3.38	4.24	0.05	0.03	0.05	0.045	0.04	28.3	19.8	0.48	1440	0.45	0.01
AMS015		0.95	11.1	3.17	3.83	0.06	0.03	0.04	0.034	0.04	33.0	17.2	0.55	442	0.42	0.01

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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
MMS044		0.51	14.0	1860	194.5	29.5	<0.001	0.08	2.87	0.7	0.4	1.5	18.9	0.01	0.02	0.7
MMS045		0.52	26.0	1020	85.5	8.1	<0.001	0.02	2.37	3.1	0.8	0.8	22.7	<0.01	0.03	6.8
MMS046		0.56	20.6	1280	273	11.0	<0.001	0.04	7.95	1.6	0.7	1.8	42.7	<0.01	0.01	3.0
MMS047		0.59	23.2	1020	104.0	6.9	<0.001	0.01	2.93	2.2	0.4	0.8	20.2	<0.01	0.03	8.9
MMS048		0.47	24.2	1210	242	8.3	<0.001	0.02	5.15	2.0	0.3	1.1	29.7	<0.01	0.03	6.9
MMS049		0.57	19.3	1160	165.5	8.3	<0.001	0.04	3.11	1.7	0.3	1.0	31.4	<0.01	0.01	2.6
MMS050		0.50	15.2	1510	210	7.0	<0.001	0.10	3.92	0.9	0.6	1.2	66.5	0.01	0.02	1.4
MMS051		0.62	17.5	1390	118.5	8.1	<0.001	0.08	3.47	1.5	0.8	0.9	40.7	0.01	0.02	2.5
MMS052		0.49	14.4	1450	201	5.1	0.001	0.11	3.71	0.6	0.6	0.9	75.4	0.01	0.02	0.7
MMS053		1.03	10.2	690	81.4	5.1	<0.001	<0.01	1.86	1.2	<0.2	0.8	12.2	<0.01	0.01	3.7
MMS054		0.84	13.4	1150	304	14.1	<0.001	0.03	5.17	1.5	0.2	2.7	15.2	<0.01	0.02	1.7
MMS055		1.02	19.5	870	131.5	6.7	<0.001	0.04	6.12	2.7	0.9	1.8	16.8	<0.01	0.03	2.5
MMS056		1.22	16.9	780	131.0	18.7	<0.001	0.03	2.85	1.7	0.6	1.4	12.4	<0.01	0.02	2.0
MMS057		0.51	12.8	710	49.5	14.3	<0.001	0.03	2.45	0.7	0.4	1.2	7.6	<0.01	0.01	0.5
MMS058		0.62	19.9	700	31.9	8.7	<0.001	0.03	0.34	2.0	0.4	0.5	16.5	<0.01	0.03	4.5
MMS059		0.52	27.6	610	57.9	8.8	<0.001	0.02	0.82	2.7	0.9	0.5	12.9	<0.01	0.03	10.3
MMS060		0.31	11.3	730	98.8	4.5	<0.001	0.02	0.97	0.4	0.2	0.4	5.6	<0.01	0.06	0.7
MMS061		0.96	13.3	670	201	12.3	<0.001	0.04	0.52	1.3	0.4	0.6	27.4	<0.01	0.03	1.3
MMS062		0.45	23.2	690	93.7	4.5	<0.001	0.02	0.67	1.8	0.4	0.6	21.1	<0.01	0.03	6.9
MMS063		0.47	29.9	650	121.0	4.6	<0.001	0.01	0.88	1.9	0.4	0.4	22.4	<0.01	0.04	11.7
MMS064		0.46	24.4	800	81.9	4.6	<0.001	0.02	0.80	2.0	0.6	0.5	20.2	<0.01	0.02	7.0
MMS065		1.06	20.5	530	77.5	9.3	<0.001	0.03	0.74	2.8	0.7	0.6	19.4	0.01	0.02	5.6
MMS066		0.40	25.2	1020	130.5	5.7	<0.001	0.05	1.28	1.8	0.7	0.5	22.9	<0.01	0.02	3.7
MMS067		0.37	37.7	1200	167.0	6.8	<0.001	0.01	1.28	2.9	0.7	0.6	21.1	<0.01	0.03	10.8
MMS068		0.66	20.3	920	102.5	5.6	<0.001	0.03	0.93	1.8	0.7	0.6	17.0	0.01	0.04	4.7
MMS069		0.23	40.4	890	238	5.4	<0.001	0.01	1.35	2.3	0.6	0.7	22.3	<0.01	0.05	13.5
MMS070		0.49	27.0	600	144.5	4.5	<0.001	0.01	0.95	2.9	0.6	0.7	4.5	0.01	0.03	12.6
MMS071		0.25	33.1	730	184.5	4.9	<0.001	0.01	1.29	2.1	0.6	1.2	36.3	<0.01	0.03	11.3
MMS072		1.03	18.1	450	112.5	7.9	<0.001	0.02	0.60	2.1	0.5	1.0	10.1	<0.01	0.03	5.0
MMS073		0.95	17.1	550	185.0	6.7	<0.001	0.03	0.89	2.0	0.5	1.1	10.7	<0.01	0.03	3.5
MMS074		0.61	21.6	680	161.0	6.4	<0.001	0.04	1.13	1.9	0.5	0.6	15.8	<0.01	0.03	4.3
MMS075		1.15	21.1	560	279	9.2	<0.001	0.02	1.21	3.3	0.6	1.6	9.3	<0.01	0.05	5.7
MMS076		0.28	18.3	670	524	3.3	<0.001	0.01	1.54	1.4	0.6	1.6	102.5	<0.01	0.04	4.6
MMS077		0.58	24.1	940	961	6.3	<0.001	0.03	2.08	2.0	0.7	2.2	36.7	<0.01	0.04	4.1
MMS078		1.18	18.1	810	621	7.6	<0.001	0.03	0.87	2.5	0.5	0.8	12.8	0.01	0.04	3.6
AMS011		0.77	24.8	1420	348	6.7	<0.001	0.07	10.65	2.6	1.5	3.2	29.2	0.01	0.04	2.3
AMS012		1.68	20.1	450	66.9	7.9	<0.001	0.02	1.54	3.1	0.3	1.1	10.3	0.01	0.02	6.6
AMS013		0.35	36.0	1470	69.6	3.8	<0.001	0.02	5.13	3.7	0.6	0.8	15.9	<0.01	0.03	10.9
AMS014		1.04	26.9	940	79.9	6.0	<0.001	0.05	3.18	3.8	0.8	1.1	29.9	0.01	0.03	4.0
AMS015		0.70	23.0	780	44.2	6.0	<0.001	0.04	2.19	3.9	0.8	0.8	20.3	0.01	0.02	5.1

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	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
MMS044		0.012	0.12	1.28	16	0.27	7.34	332	<0.5
MMS045		0.011	0.10	0.93	11	0.16	18.40	269	0.8
MMS046		0.010	0.12	1.79	11	0.23	9.61	432	0.8
MMS047		0.011	0.08	0.77	12	0.16	11.30	270	0.8
MMS048		0.010	0.09	0.80	10	0.20	10.40	378	0.9
MMS049		0.011	0.07	1.51	12	0.14	12.95	315	0.7
MMS050		0.008	0.06	2.38	9	0.10	10.15	362	1.0
MMS051		0.011	0.07	1.70	12	0.15	11.05	344	1.1
MMS052		0.009	0.07	2.47	9	0.10	9.37	269	1.0
MMS053		0.019	0.10	0.76	17	0.22	4.10	158	<0.5
MMS054		0.010	0.17	1.11	23	0.45	7.98	617	<0.5
MMS055		0.019	0.09	0.93	25	0.30	14.00	408	0.6
MMS056		0.011	0.19	1.03	24	0.45	7.51	558	<0.5
MMS057		0.008	0.19	0.65	19	0.24	3.58	254	<0.5
MMS058		0.006	0.07	0.52	16	0.11	7.25	182	1.1
MMS059		0.006	0.06	0.86	11	0.11	20.6	167	1.0
MMS060		0.007	0.03	0.57	12	0.10	4.29	105	<0.5
MMS061		0.018	0.06	0.91	20	0.21	10.65	130	<0.5
MMS062		0.006	0.05	0.54	9	0.08	12.85	134	1.4
MMS063		0.005	0.07	0.55	9	0.06	10.95	242	1.6
MMS064		0.005	0.07	0.66	10	0.07	13.55	247	1.3
MMS065		0.014	0.12	0.90	19	0.15	14.00	818	0.8
MMS066		0.006	0.28	0.74	9	0.22	13.85	1180	1.1
MMS067		0.005	0.53	0.62	11	0.09	16.20	1220	1.2
MMS068		0.010	0.16	0.60	13	0.09	13.85	610	0.9
MMS069		<0.005	0.33	0.63	10	0.06	18.95	1040	1.2
MMS070		<0.005	0.13	0.76	9	0.07	16.00	483	0.7
MMS071		<0.005	0.16	0.57	10	0.07	17.00	627	1.2
MMS072		0.016	0.12	0.61	23	0.15	7.06	892	0.9
MMS073		0.016	0.10	0.86	22	0.14	6.27	802	0.8
MMS074		0.008	0.15	0.94	14	0.09	10.65	528	1.1
MMS075		0.022	0.21	0.70	25	0.16	18.50	1060	1.2
MMS076		0.005	0.20	0.43	8	0.07	10.20	1300	0.8
MMS077		0.014	0.19	0.73	19	0.47	12.90	2140	1.1
MMS078		0.023	0.19	1.19	25	0.25	9.77	1160	0.7
AMS011		0.020	0.15	1.49	18	0.31	29.2	1060	1.0
AMS012		0.033	0.08	1.13	26	0.22	7.68	406	0.8
AMS013		0.006	0.08	0.96	13	0.17	16.75	198	0.8
AMS014		0.022	0.09	4.21	19	0.19	18.95	330	0.8
AMS015		0.017	0.07	2.47	16	0.17	15.90	177	0.9

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To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 23- SEP- 2016
Account: CATRES

Project: MR

CERTIFICATE OF ANALYSIS WH16135114

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
AMS016		0.28	0.004	1.77	1.68	29.7	<0.2	<10	70	0.76	0.35	0.38	1.58	49.0	6.7	23
AMS017		0.28	<0.001	1.63	1.82	28.7	<0.2	<10	80	0.72	0.33	0.57	1.48	47.3	8.2	23
AMS018		0.44	0.002	3.70	1.03	96.3	<0.2	<10	50	0.24	0.19	8.02	1.76	45.5	10.3	15
AMS019		0.38	<0.001	2.05	0.96	45.9	<0.2	<10	50	0.37	0.30	0.33	0.73	51.6	10.9	16
AMS020		0.42	<0.001	3.15	1.32	47.2	<0.2	<10	100	0.53	0.26	0.72	1.39	49.7	9.7	20
AMS021		0.40	0.001	2.59	1.16	55.8	<0.2	<10	80	0.25	0.20	1.37	0.82	47.3	9.5	17
AMS022		0.28	<0.001	1.41	1.13	27.0	<0.2	<10	70	0.27	0.16	3.06	0.66	33.9	6.3	14
AMS023		0.30	<0.001	0.24	0.92	116.5	<0.2	<10	60	0.24	0.19	0.13	0.25	56.3	4.9	9
AMS024		0.42	0.015	1.24	0.60	150.5	<0.2	<10	40	0.20	0.57	14.80	6.15	41.0	7.9	7
DMS001		0.44	<0.001	0.06	0.87	6.4	<0.2	<10	40	0.16	0.17	0.04	0.05	62.6	3.7	8
DMS002		0.28	<0.001	0.08	0.78	12.1	<0.2	<10	50	0.17	0.16	0.04	0.12	58.5	3.0	5
DMS003		0.26	<0.001	0.20	0.71	21.5	<0.2	<10	50	0.21	0.23	0.03	0.16	44.5	3.7	8
DMS004		0.38	<0.001	0.13	1.03	23.7	<0.2	<10	40	0.37	0.30	0.03	0.10	56.2	5.4	14
DMS005		0.38	<0.001	0.06	1.12	23.2	<0.2	<10	50	0.32	0.27	0.04	0.11	76.3	5.9	11
DMS006		0.42	<0.001	0.85	1.67	21.0	<0.2	<10	80	0.54	0.30	0.15	0.67	58.9	6.6	20
DMS007		0.22	<0.001	1.10	1.33	34.3	<0.2	<10	310	0.72	0.38	2.01	16.15	114.0	9.8	12
DMS008		0.40	<0.001	0.58	1.06	51.7	<0.2	<10	70	0.31	0.24	0.11	0.32	48.5	3.7	13
DMS009		0.34	<0.001	1.00	0.98	69.9	<0.2	<10	70	0.37	0.21	0.12	0.57	62.2	3.6	12
DMS010		0.36	<0.001	2.98	1.21	43.8	<0.2	<10	100	0.69	0.29	0.32	2.73	52.7	5.1	16
DMS011		0.46	0.001	2.43	0.96	41.4	<0.2	<10	40	0.41	0.26	0.33	0.45	45.4	3.9	15
DMS012		0.22	<0.001	3.25	1.31	91.4	<0.2	<10	100	0.57	2.12	0.75	2.76	40.9	7.2	18
DMS013		0.36	<0.001	0.13	0.89	76.9	<0.2	<10	100	0.27	0.19	0.07	0.53	69.1	4.8	9
DMS014		0.36	<0.001	0.13	1.14	52.3	<0.2	<10	90	0.33	0.18	0.17	0.23	54.1	6.9	13
DMS015		0.42	0.001	0.25	0.99	94.5	<0.2	<10	60	0.30	0.36	0.12	0.22	75.0	4.8	10
DMS016		0.36	0.011	1.16	1.28	121.0	<0.2	<10	80	0.42	0.49	1.99	3.36	80.0	10.7	17
DMS017		0.24	0.005	1.73	0.83	108.5	<0.2	<10	110	0.42	0.36	2.83	10.80	34.9	8.3	9
DMS018		0.46	0.006	0.97	1.18	101.0	<0.2	<10	80	0.38	0.47	0.62	3.34	87.1	8.9	15
DMS019		0.32	0.003	1.32	1.39	104.0	<0.2	<10	90	0.59	0.51	0.53	3.86	62.6	9.1	17
DMS020		0.48	0.009	1.40	1.16	119.5	<0.2	<10	70	0.42	0.48	1.31	2.40	93.8	13.8	15
DMS021		0.24	0.004	2.46	1.69	84.4	<0.2	<10	90	0.72	0.40	1.27	7.63	55.7	9.4	15
DMS022		0.40	0.002	2.04	1.45	115.5	<0.2	<10	60	0.58	0.47	0.36	3.97	82.2	11.7	18
DMS023		0.40	0.003	0.95	1.42	135.0	<0.2	<10	80	0.49	0.48	0.37	2.71	87.3	9.0	18
DMS024		0.36	<0.001	0.63	1.71	77.3	<0.2	<10	100	0.72	0.42	0.33	1.57	107.0	12.7	19
DMS025		0.38	<0.001	1.92	1.58	69.6	<0.2	<10	100	0.76	0.42	0.57	4.19	76.5	10.8	20
DMS026		0.34	0.002	1.44	1.18	114.0	<0.2	<10	40	0.50	0.61	0.63	2.35	104.5	17.4	15
DMS027		0.34	<0.001	0.73	1.29	72.7	<0.2	<10	60	0.53	0.43	0.29	0.88	99.4	12.3	17
DMS028		0.30	<0.001	0.80	1.31	62.7	<0.2	<10	80	0.51	0.48	0.38	1.94	103.5	12.9	15
DMS029		0.22	<0.001	0.29	1.32	36.4	<0.2	<10	70	0.66	0.46	0.91	1.05	89.5	10.0	17
DMS030		0.26	<0.001	0.80	1.02	41.5	<0.2	<10	50	0.43	0.45	3.80	1.05	94.3	11.8	12
DMS031		0.24	<0.001	1.02	1.15	56.9	<0.2	<10	50	0.42	0.38	0.78	1.29	75.8	12.6	14

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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
AMS016		1.83	19.3	3.30	6.17	0.05	<0.02	0.03	0.042	0.05	29.1	18.9	0.41	702	0.67	0.01
AMS017		1.77	10.1	3.20	6.37	0.05	0.02	0.04	0.041	0.04	28.8	16.9	0.39	1410	0.50	0.01
AMS018		0.58	19.0	2.67	3.07	0.05	0.03	0.01	0.019	0.03	24.7	15.8	0.77	1340	0.50	0.01
AMS019		0.68	16.7	3.19	2.98	0.06	0.02	0.02	0.041	0.03	25.9	16.3	0.50	921	0.72	0.01
AMS020		0.87	19.7	3.00	4.15	0.06	0.03	0.03	0.039	0.04	30.3	15.8	0.48	1060	0.38	0.01
AMS021		0.45	17.2	2.89	3.31	0.05	0.03	0.02	0.025	0.03	27.1	16.1	0.64	737	0.43	0.01
AMS022		0.52	16.7	2.22	2.93	<0.05	0.05	0.07	0.025	0.03	21.0	12.1	0.59	577	0.43	0.01
AMS023		1.21	9.2	2.43	3.28	0.05	<0.02	0.01	0.014	0.09	28.1	7.3	0.17	216	0.45	0.01
AMS024		0.55	13.1	2.43	1.81	<0.05	0.02	0.01	0.839	0.06	20.4	10.7	1.35	668	0.25	0.01
DMS001		1.14	5.2	2.00	4.09	0.05	<0.02	0.02	0.011	0.06	31.6	3.6	0.09	159	0.27	<0.01
DMS002		1.20	4.2	1.26	3.99	0.05	<0.02	0.02	0.010	0.06	28.6	2.6	0.05	104	0.33	0.01
DMS003		1.07	5.7	1.63	3.84	<0.05	<0.02	0.05	0.011	0.06	22.6	5.3	0.11	236	0.34	0.01
DMS004		1.17	9.0	2.91	4.39	0.05	<0.02	0.02	0.022	0.07	26.7	14.1	0.24	214	0.36	0.01
DMS005		0.80	7.1	2.48	4.41	0.06	<0.02	0.01	0.018	0.04	35.7	12.7	0.21	161	0.34	<0.01
DMS006		1.63	8.3	3.15	4.91	0.05	0.02	0.03	0.032	0.06	28.5	21.5	0.44	363	0.39	0.01
DMS007		1.35	15.0	3.29	3.95	0.08	0.02	0.09	0.045	0.03	43.7	6.8	0.34	8600	0.49	0.01
DMS008		1.15	4.7	1.97	4.05	<0.05	<0.02	0.02	0.020	0.04	23.1	14.3	0.23	136	0.45	0.01
DMS009		1.17	4.4	2.07	3.04	<0.05	<0.02	0.03	0.020	0.06	29.1	13.6	0.22	410	0.27	0.01
DMS010		1.97	10.5	2.44	4.04	0.05	<0.02	0.05	0.037	0.07	24.9	15.0	0.24	936	0.34	0.01
DMS011		1.71	7.5	1.85	3.46	<0.05	<0.02	0.04	0.028	0.05	23.1	17.7	0.32	219	0.24	0.01
DMS012		1.22	12.5	2.94	4.35	<0.05	0.03	0.05	0.037	0.05	19.0	13.6	0.33	2800	0.75	0.01
DMS013		0.92	8.7	2.42	2.96	0.05	<0.02	0.01	0.015	0.06	32.3	9.5	0.18	346	0.43	<0.01
DMS014		2.42	14.2	3.00	3.44	0.05	<0.02	0.01	0.014	0.18	25.2	15.5	0.28	358	0.36	<0.01
DMS015		1.18	11.9	2.63	2.86	0.06	<0.02	0.01	0.015	0.08	36.1	10.7	0.23	256	0.31	0.01
DMS016		0.62	28.2	3.88	3.86	0.07	0.08	0.03	0.388	0.06	41.2	24.6	0.53	557	1.07	0.01
DMS017		0.49	33.1	3.10	2.30	<0.05	0.08	0.08	0.189	0.03	17.1	8.4	0.24	984	0.55	0.01
DMS018		0.66	18.2	3.98	3.61	0.09	0.06	0.02	0.390	0.05	45.4	20.8	0.51	607	0.74	0.01
DMS019		0.99	12.7	4.29	4.21	0.05	0.06	0.02	0.284	0.05	32.8	21.2	0.28	426	0.52	0.01
DMS020		0.60	25.4	4.17	3.55	0.07	0.06	0.02	0.263	0.05	48.3	22.5	0.56	647	0.60	0.01
DMS021		0.94	22.9	3.40	4.75	0.05	0.08	0.05	0.270	0.06	29.6	20.8	0.27	655	0.45	0.02
DMS022		0.84	14.3	4.43	4.38	0.07	0.07	0.03	0.325	0.05	39.7	25.4	0.39	532	0.59	0.01
DMS023		0.81	13.7	4.52	4.05	0.08	0.08	0.03	0.512	0.05	45.6	22.3	0.37	551	0.57	0.01
DMS024		0.84	14.9	4.74	4.42	0.08	0.11	0.03	0.118	0.04	52.9	26.7	0.45	426	0.47	<0.01
DMS025		1.02	11.1	4.91	4.85	0.07	0.06	0.03	0.125	0.05	37.3	21.1	0.35	1560	0.51	0.01
DMS026		0.56	18.5	5.60	3.39	0.10	0.09	0.05	0.147	0.04	55.7	17.8	0.34	1010	0.58	0.01
DMS027		0.54	16.5	4.39	3.78	0.09	0.11	0.02	0.102	0.04	50.5	19.9	0.34	509	0.37	0.01
DMS028		0.72	12.0	4.54	4.02	0.07	0.11	0.03	0.100	0.04	40.2	20.2	0.30	1020	0.44	0.01
DMS029		0.72	9.0	4.24	4.26	0.06	0.11	0.02	0.068	0.04	32.5	17.2	0.27	812	0.41	0.01
DMS030		0.43	11.8	4.12	3.08	0.06	0.08	0.04	0.066	0.04	39.1	14.5	0.32	574	0.32	0.01
DMS031		0.60	13.4	3.87	3.34	0.06	0.05	0.02	0.062	0.04	33.8	20.3	0.33	504	0.28	0.01

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	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
AMS016		1.54	18.6	610	68.5	15.0	<0.001	0.03	1.39	2.9	0.8	1.2	25.2	0.01	0.03	2.5
AMS017		1.66	17.1	500	57.2	11.3	<0.001	0.03	1.58	3.1	0.6	1.2	14.8	0.01	0.02	3.0
AMS018		0.30	26.0	730	191.0	2.9	<0.001	0.01	8.90	2.6	0.6	1.4	111.0	<0.01	0.03	9.5
AMS019		0.56	27.0	610	74.2	5.0	<0.001	0.02	3.13	4.0	0.7	0.5	17.6	0.01	0.02	5.9
AMS020		0.84	25.4	820	94.6	6.3	<0.001	0.03	3.48	3.3	1.0	0.9	25.7	0.01	0.03	3.3
AMS021		0.40	23.8	880	108.0	3.7	<0.001	0.02	4.65	2.9	0.5	0.8	34.0	<0.01	0.02	6.4
AMS022		0.55	17.3	1120	46.2	4.8	<0.001	0.12	2.36	1.4	1.1	0.4	70.4	0.01	0.02	1.3
AMS023		0.60	11.5	940	90.7	12.7	<0.001	0.03	4.43	0.5	0.3	1.6	15.4	<0.01	0.02	0.9
AMS024		0.20	18.3	710	252	3.4	<0.001	0.01	4.05	1.9	0.6	2.4	308	<0.01	0.03	7.9
DMS001		0.92	8.7	630	8.0	12.6	<0.001	0.02	0.31	0.8	0.2	0.5	4.5	<0.01	0.01	2.7
DMS002		0.66	7.7	540	9.8	12.4	<0.001	0.02	0.22	0.4	0.2	0.7	4.9	<0.01	0.01	0.7
DMS003		0.51	8.1	940	22.2	15.5	<0.001	0.04	0.57	0.2	0.2	0.6	6.9	<0.01	0.01	<0.2
DMS004		1.08	13.9	630	26.8	12.4	<0.001	0.01	0.92	0.8	0.3	0.7	5.5	<0.01	0.03	1.8
DMS005		1.08	12.9	830	29.2	7.2	<0.001	<0.01	1.01	1.1	0.2	0.6	4.8	<0.01	0.03	9.2
DMS006		1.25	20.3	490	71.0	11.0	<0.001	<0.01	2.22	2.2	0.4	1.0	9.8	<0.01	0.02	7.7
DMS007		0.76	20.9	1800	119.0	6.9	<0.001	0.07	1.61	2.0	1.4	0.8	21.6	0.01	0.03	1.1
DMS008		0.59	9.8	720	45.5	8.6	<0.001	0.02	1.77	0.3	0.2	0.8	8.6	<0.01	0.01	0.3
DMS009		0.48	10.7	740	62.0	10.6	<0.001	0.02	2.36	0.5	0.4	1.0	8.8	<0.01	0.01	1.2
DMS010		0.63	14.7	1370	79.8	20.8	<0.001	0.05	2.57	0.6	0.5	1.2	14.3	<0.01	0.01	0.6
DMS011		0.74	14.3	1300	72.3	9.7	<0.001	0.02	3.22	1.0	0.3	2.2	14.8	<0.01	0.02	2.0
DMS012		0.95	16.9	1570	252	13.3	<0.001	0.09	4.91	1.5	0.6	2.0	18.5	0.01	0.03	1.4
DMS013		0.68	12.2	640	39.3	14.2	<0.001	0.01	3.34	0.9	0.2	1.0	8.8	<0.01	0.02	6.0
DMS014		1.64	16.0	1050	55.2	34.3	<0.001	<0.01	4.55	1.4	0.4	0.9	13.4	<0.01	0.01	4.4
DMS015		0.70	12.1	730	201	11.3	<0.001	<0.01	5.21	1.1	0.3	1.3	11.4	<0.01	0.01	8.6
DMS016		0.22	33.4	490	296	4.6	<0.001	0.01	3.85	2.4	1.0	1.6	58.5	<0.01	0.04	13.2
DMS017		0.37	24.1	1910	125.0	4.5	<0.001	0.15	1.71	1.7	3.2	0.8	129.0	0.01	0.02	1.6
DMS018		0.30	26.4	270	231	4.7	<0.001	0.01	2.79	2.9	1.1	1.8	18.1	<0.01	0.03	11.8
DMS019		0.67	22.6	390	301	9.5	<0.001	0.02	2.85	2.7	0.7	2.1	27.0	<0.01	0.03	6.5
DMS020		0.22	37.3	470	365	3.9	<0.001	0.01	6.21	2.8	0.7	1.7	43.1	<0.01	0.02	13.1
DMS021		0.61	25.8	680	285	9.5	<0.001	0.05	8.12	2.0	1.0	2.0	61.9	0.01	0.03	3.3
DMS022		0.64	26.6	250	301	10.3	<0.001	0.01	7.80	3.0	0.8	1.9	18.6	<0.01	0.03	11.7
DMS023		0.48	28.7	300	215	7.4	<0.001	0.01	4.66	3.7	0.9	1.8	23.3	<0.01	0.03	11.9
DMS024		0.40	29.7	230	149.5	7.6	<0.001	0.01	2.57	3.8	0.6	0.9	17.6	<0.01	0.03	15.9
DMS025		1.39	25.5	310	155.5	10.3	<0.001	0.01	3.68	3.5	0.9	1.1	33.2	0.01	0.03	8.1
DMS026		0.58	35.7	290	270	5.1	<0.001	0.02	8.73	5.7	1.5	1.0	27.9	0.01	0.05	14.8
DMS027		0.52	30.2	170	122.0	4.8	<0.001	0.01	3.75	4.7	1.2	0.8	22.8	<0.01	0.03	15.2
DMS028		0.80	23.8	200	143.0	9.0	<0.001	0.01	3.35	3.8	0.7	0.8	26.9	<0.01	0.04	14.1
DMS029		1.43	21.1	180	94.0	8.4	<0.001	0.01	2.23	3.4	0.8	0.6	56.3	0.01	0.03	11.7
DMS030		0.68	22.8	320	113.0	5.0	<0.001	0.03	3.28	3.6	1.4	0.5	183.0	0.01	0.02	9.8
DMS031		0.53	24.8	300	125.5	5.6	<0.001	0.02	4.23	2.6	0.6	0.6	47.4	<0.01	0.03	8.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 23- SEP- 2016
Account: CATRES

Project: MR

CERTIFICATE OF ANALYSIS WH16135114

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
AMS016		0.023	0.11	1.66	28	0.33	15.50	244	<0.5
AMS017		0.032	0.13	2.67	32	0.54	14.55	543	0.5
AMS018		0.005	0.05	0.62	9	0.13	9.37	363	0.8
AMS019		0.013	0.06	0.88	13	0.81	14.45	190	0.5
AMS020		0.023	0.07	0.91	19	0.17	20.1	287	0.7
AMS021		0.007	0.04	0.53	12	0.13	11.85	279	0.9
AMS022		0.009	0.07	1.50	10	0.08	14.50	193	1.3
AMS023		0.008	0.14	0.50	13	0.16	3.66	135	<0.5
AMS024		<0.005	0.06	0.45	5	0.17	10.20	1120	1.3
DMS001		0.013	0.08	0.61	17	0.16	2.86	29	<0.5
DMS002		0.007	0.07	0.48	15	0.13	3.29	32	<0.5
DMS003		0.010	0.06	0.59	16	0.30	3.08	57	<0.5
DMS004		0.018	0.09	0.60	22	0.27	3.59	85	<0.5
DMS005		0.011	0.08	0.59	17	0.20	4.90	99	<0.5
DMS006		0.018	0.15	0.80	23	0.29	7.32	407	<0.5
DMS007		0.018	0.66	1.34	20	0.21	34.8	1580	<0.5
DMS008		0.011	0.11	0.54	18	0.22	3.63	117	<0.5
DMS009		0.007	0.14	0.66	12	0.19	6.02	217	<0.5
DMS010		0.019	0.13	1.23	17	0.18	10.20	559	<0.5
DMS011		0.024	0.07	0.75	16	0.21	7.61	369	<0.5
DMS012		0.022	0.10	3.48	25	0.27	12.40	573	0.9
DMS013		0.006	0.13	0.50	11	0.21	4.08	172	<0.5
DMS014		0.041	0.27	0.45	14	0.19	5.15	208	<0.5
DMS015		0.009	0.16	0.50	10	0.16	4.89	217	<0.5
DMS016		<0.005	0.10	0.86	16	0.07	14.45	831	2.8
DMS017		0.005	0.03	6.70	10	0.08	19.30	512	2.4
DMS018		<0.005	0.07	1.65	14	0.08	17.50	781	2.4
DMS019		0.006	0.08	1.76	18	0.09	13.40	775	1.8
DMS020		<0.005	0.07	0.88	12	0.07	16.75	620	2.7
DMS021		0.006	0.08	1.53	15	0.09	19.10	722	2.6
DMS022		0.006	0.08	0.77	16	0.08	12.35	813	2.8
DMS023		<0.005	0.11	0.85	16	0.08	18.45	763	2.9
DMS024		<0.005	0.10	0.69	15	0.08	21.4	315	4.8
DMS025		0.019	0.09	1.01	22	0.11	18.20	643	2.3
DMS026		0.008	0.09	1.07	14	0.10	47.9	437	4.0
DMS027		0.007	0.07	0.74	15	0.11	31.3	209	5.7
DMS028		0.010	0.08	0.79	15	0.10	17.10	320	4.9
DMS029		0.022	0.06	0.78	21	0.31	17.95	184	4.9
DMS030		0.009	0.06	0.61	12	0.09	31.1	156	2.6
DMS031		0.006	0.05	0.90	12	0.08	14.35	205	2.0

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To: **CATHRO RESOURCES**
2560 TELFORD PLACE
KAMLOOPS BC V1S 0A3

Finalized Date: 23- SEP- 2016
Account: CATRES

Project: MR

CERTIFICATE OF ANALYSIS WH16135114

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DMS032		0.32	<0.001	0.26	1.30	35.1	<0.2	<10	60	0.60	0.42	0.46	0.65	103.0	13.2	16
DMS033		0.36	<0.001	0.35	1.03	49.8	<0.2	<10	40	0.50	0.55	0.38	0.98	106.0	14.7	14
DMS034		0.34	<0.001	0.19	1.25	34.3	<0.2	<10	60	0.65	0.47	0.38	1.15	96.5	12.6	16

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS WH16135114

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DMS032		0.56	11.9	4.96	3.88	0.08	0.12	0.03	0.069	0.04	45.1	17.8	0.34	1120	0.38	0.01
DMS033		0.47	14.6	5.17	3.21	0.09	0.10	0.04	0.082	0.03	43.2	16.0	0.30	1220	0.38	0.01
DMS034		0.73	10.9	4.66	3.81	0.06	0.08	0.03	0.078	0.04	32.8	13.8	0.24	1050	0.50	0.01

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CERTIFICATE OF ANALYSIS WH16135114

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
DMS032		0.80	27.4	180	102.5	6.1	<0.001	0.01	1.67	4.3	1.0	0.4	28.7	0.01	0.03	14.1
DMS033		0.63	29.5	240	102.0	4.8	<0.001	0.02	2.11	4.7	1.4	0.5	28.1	0.01	0.02	12.3
DMS034		1.09	23.4	250	76.2	8.4	<0.001	0.02	1.38	4.4	0.8	0.6	29.7	0.01	0.03	11.0

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CERTIFICATE OF ANALYSIS WH16135114

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
DMS032		0.011	0.07	0.88	15	0.11	29.2	102	5.5
DMS033		0.009	0.06	0.84	12	0.15	35.2	142	4.0
DMS034		0.015	0.07	0.98	19	0.13	18.85	110	3.7

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CERTIFICATE OF ANALYSIS WH16135114

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- ICP21	LOG- 22	ME- MS41	SCR- 41
WEI- 21			

MR PROJECT
2016 WORK PROGRAM
Meister River Area - Sample Locations

Rancheria Area, Watson Lake Mining District, Yukon
Maps:105B/08 Datum:NAD83 UTM 9 Date:2017-01-15

Legend

Minfile
- Deposit
- Drilled Prospect
- Prospect
- Showing
- Anomaly

Quartz Claims
- Active

2015 Sample
- Rock Location
- Soil Location

2016 Sample
- Rock
- Soil

Notes:

2015 sample labels depicted in black text
2016 sample labels depicted in purple text

Claim Data: Yukon Geological Survey - 2017-01-15

0 125 250 500 750 1,000 Meters

1:10,500

MFW 1 YF81621
MFW 2 YF81622
MFW 3 YF81623
MFW 4 YF81624
MFW 5 YF81625
MFW 6 YF81626
MFW 7 YF81627
MFW 8 YF81628
MFW 9 YF81629
MFW 10 YF81630
MFW 11 YF81631
MFW 12 YF81632
MFW 13 YF81633
MFW 14 YF81634
MFW 15 YF81635
MFW 16 YF81636
MFW 17 YF81637
MFW 18 YF81638
MFW 19 YF81639
MFW 20 YF81640
MFW 21 YF81641
MFW 22 YF81642

Meister 1 YF46967
Meister 2 YF46968
Meister 3 YF46969
Meister 4 YF46970
Meister 5 YF46971
Meister 6 YF46972
Meister 7 YF46973
Meister 9 YF46975
Meister 10 YF46976
Meister 11 YF46977
Meister 12 YF46978
Meister 13 YF46979
Meister 14 YF46980
Meister 15 YF46981
Meister 16 YF46982
Meister 17 YF46983
Meister 18 YF46984
Meister 19 YF46985
Meister 20 YF46986
Meister 21 YF46987
Meister 22 YF46988
Meister 23 YF46989
Meister 24 YF46990
Meister 25 YF46991
Meister 26 YF46992
Meister 27 YF46993
Meister 28 YF46994
Meister 29 YF46995
Meister 30 YF46996
Meister 31 YF46997
Meister 32 YF46998

MR 1 YF40495
MR 2 YF40496
MR 3 YF40497
MR 4 YF40498
MR 5 YF40499
MR 6 YF40500
MR 7 YF40501
MR 8 YF40502
MR 9 YF40503
MR 10 YF40504
MR 11 YF40505
MR 12 YF40506
MR 13 YF40507
MR 14 YF40508
MR 15 YF47604
MR 16 YF47605
MR 17 YF47606
MR 18 YF47607
MR 19 YF47608
MR 20 YF47609
MR 21 YF47610
MR 22 YF47611
MR 23 YF47612
MR 24 YF47613
MR 25 YF47614
MR 26 YF47615
MR 27 YE85889
MR 28 YE85890

HAIRSINE (Minfile Showing)

Meister Road
Meister River
Spencer Creek Road
Alaska Highway
Mahony Skyline Road

Overview Map

MR Project

Rancheria Project
Veronica Claims

0 1.5 3 6 9 12 Km

MR PROJECT
2016 WORK PROGRAM
Meister River Area - Silver in Soil & Rock

Rancheria Area, Watson Lake Mining District, Yukon
Maps:105B/08 Datum:NAD83 UTM 9 Date:2017-01-15

Legend

Ag (ppb) in Soil
- < 300 ppb
- 300 - 800 ppb
- 800 - 1800 ppb
- 1800 - 4000 ppb
- 4000 - 10000 ppb
- > 10000 ppb

Ag (ppb) in Rock
- < 300 ppb
- 300 - 800 ppb
- 800 - 1800 ppb
- 1800 - 4000 ppb
- 4000 - 10000 ppb
- > 10000 ppb

Ag (gm/t FA) in Rock
- Fire Assay Re-run

Minfile
- Deposit
- Drilled Prospect
- Prospect
- Showing
- Anomaly

Quartz Claims
- Active

Notes:

2015 sample labels depicted in black text
2016 sample labels depicted in purple text

Claim Data: Yukon Geological Survey - 2017-01-15

0 125 250 500 750 1,000 Meters

1:10,500

N

WEST ZONE

EAST ZONE

FARWEST ZONE

MEISTER

Trail overgrown west of here

Creek Ford

Farwest Anomaly

Old Camp

Core Storage Facility

Wash out here, but remainder of road to east appears good

Trail passable to here

South zone Area 1

South zone Area 2

South zone Area 3

South Zone Hairsine area

South Zone Area 4

Trails in this area in good shape

HAIRSINE (Minfile Showing)

749 gm/t

Meister Road

Hydrazinc Shrine

Camp

TIELINE 3500N

BL

600 W

BL 400 W

200 W

0+00

200 E

400 E

600 E

800 N

600 N

400 E

Overview Map

MR Project

Meister River

Meister Road

Spencer Creek Road

Alaska Highway

Marsh Skyline Road

Rancheria Project
Veronica Claims

0 1.5 3 6 9 12 Km


MR PROJECT
2016 WORK PROGRAM
Meister River Area - Lead in Soil & Rock
Rancheria Area, Watson Lake Mining District, Yukon
Maps:105B/08 Datum:NAD83 UTM 9 Date:2017-01-15
Legend
Pb (ppm) in Soil
< 80 ppm
80-200 ppm
200-350 ppm
350-700 ppm
700-1900 ppm
> 1900 ppm
Pb (ppm) in Rock
< 80 ppm
80 - 200 ppm
200 - 350 ppm
350 - 700 ppm
700 - 1900 ppm
> 1900 ppm
Minfile
Deposit
Drilled Prospect
Prospect
Showing
Anomaly
Quartz Claims
Active
Notes:
2015 sample labels depicted in black text
2016 sample labels depicted in purple text
Claim Data: Yukon Geological Survey - 2017-01-15
0 125 250 500 750 1,000 Meters
1:10,500
FARWEST ZONE
WEST ZONE
EAST ZONE
MEISTER
Meister Road
Camp
HAIRSINE (Minfile Showing)
Overview Map
MR Project
Meister River
Spencer Creek Road
Alaska Highway
Rancheria Project
Veronica Claims

MR PROJECT
2016 WORK PROGRAM
Meister River Area - Zinc in Soil & Rock

Rancheria Area, Watson Lake Mining District, Yukon
Maps:105B/08 Datum:NAD83 UTM 9 Date:2017-01-15

Legend

Zn (ppm) in Soil	Zn (ppm) in Rock	Minfile
< 200 ppm	< 200 ppm	Deposit
200 - 500 ppm	200 - 500 ppm	Drilled Prospect
500 - 1000 ppm	500 - 1000 ppm	Prospect
1000 - 2000 ppm	1000 - 2000 ppm	Showing
2000 - 4000 ppm	2000 - 4000 ppm	Anomaly
> 4000 ppm	> 4000 ppm	

Quartz Claims
Active

Notes:

2015 sample labels depicted in black text
2016 sample labels depicted in purple text

Claim Data: Yukon Geological Survey - 2017-01-15

0 125 250 500 750 1,000 Meters
1:10,500

MEISTER

WEST ZONE

EAST ZONE

FARWEST ZONE

TIE LINE 3500N

Hydrocincite Spring

Meister Road

Camp

MFW 1 YF81621
MFW 2 YF81622
MFW 3 YF81623
MFW 4 YF81624
MFW 5 YF81625
MFW 6 YF81626
MFW 7 YF81627
MFW 8 YF81628
MFW 9 YF81629
MFW 10 YF81630
MFW 11 YF81631
MFW 12 YF81632
MFW 13 YF81633
MFW 14 YF81634
MFW 15 YF81635
MFW 16 YF81636
MFW 17 YF81637
MFW 18 YF81638
MFW 19 YF81639
MFW 20 YF81640
MFW 21 YF81641
MFW 22 YF81642

Meister 1 YF46967
Meister 2 YF46968
Meister 3 YF46969
Meister 4 YF46970
Meister 5 YF46971
Meister 6 YF46972
Meister 7 YF46973
Meister 8 YF46974
Meister 9 YF46975
Meister 10 YF46976
Meister 11 YF46977
Meister 12 YF46978
Meister 13 YF46979
Meister 14 YF46980
Meister 15 YF46981
Meister 16 YF46982
Meister 17 YF46983
Meister 18 YF46984
Meister 19 YF46985
Meister 20 YF46986
Meister 21 YF46987
Meister 22 YF46988
Meister 23 YF46989
Meister 24 YF46990
Meister 25 YF46991
Meister 26 YF46992
Meister 27 YF46993
Meister 28 YF46994
Meister 29 YF46995
Meister 30 YF46996
Meister 31 YF46997
Meister 32 YF46998

MR 1 YF40495
MR 2 YF40496
MR 3 YF40497
MR 4 YF40498
MR 5 YF40499
MR 6 YF40500
MR 7 YF40501
MR 8 YF40502
MR 9 YF40503
MR 10 YF40504
MR 11 YF40505
MR 12 YF40506
MR 13 YF40507
MR 14 YF40508
MR 15 YF47604
MR 16 YF47605
MR 17 YF47606
MR 18 YF47607
MR 19 YF47608
MR 20 YF47609
MR 21 YF47610
MR 22 YF47611
MR 23 YF47612
MR 24 YF47613
MR 25 YF47614
MR 26 YF47615
MR 27 YE85889
MR 28 YE85890

HAIRSINE (Minfile Showing)

Overview Map

MR Project
Rancheria Project
Veronica Claims
Meister River
Meister Road
Spencer Creek Road
Alaska Highway
Mason Skyline Road
0 1.5 3 6 9 12 Km