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ASSESSMENT REPORT

describing

HAND TRENCHING, PROSPECTING, GEOCHEMICAL SAMPLING AND GEOLOGICAL MAPPING

Field work performed June 6 to July 6, 2017

at the

MICHELLE PROPERTY

Michelle, M, US, ZN, Hot, H, OT and NS Claims

NTS 116A/13, 116B/16 & 116H/04
Latitude 64°58′ N; Longitude 137°44′ W

in the
Mayo and Dawson Mining Districts
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

SILVER RANGE RESOURCES LTD.

by

J. Morton, B.Sc., P.Geo.
January 2018

CONTENTS

INTRODUCTION	1
PROPERTY LOCATION, CLAIM DATA AND ACCESS	1
HISTORY AND PREVIOUS WORK	2
GEOMORPHOLOGY	4
REGIONAL GEOLOGY	4
PROPERTY GEOLOGY	5
MINERALIZATION AND HAND TRENCHING	7
DIAMOND DRILLING	18
DEPOSIT MODELS	21
DISCUSSION AND CONCLUSIONS	25
REFERENCES	27

APPENDICES

I STATEMENT OF QUALIFICATIONS

II STATEMENT OF EXPENDITURES

III ROCK SAMPLE DESCRIPTIONS

IV CERTIFICATES OF ANALYSIS

TABLES

I	Regional Lithological Units	5
II	Thresholds for Surface Rock Values	10
III	Criteria for Categorizing Non-Sulphide Zn-Pb-Ag Mineralization	11
IV	Drill Hole Data	18
V	Highlights from Diamond Drilling	19

CHARTS

1	Comparison of XRF and Geochemical Zinc Results (For Assay Values > 1%)	9

PHOTOS

1	Bouvette Formation (CDB1) Fossiliferous Dolostone	6
2	Black CDB1 Talus along a Hillslope	7

FIGURES

No.	Description	Follows Page
1	Property Location	1
2	Claim Locations	In Pocket
3	Glacial Extents	4
4	Tectonic Setting	4
5	Regional Geology	5
6	Property Geology	In Pocket
7	Mineral Occurrences	7
8	2017 Rock Samples	In Pocket
9	Zinc Rock Geochemistry	In Pocket
10	Lead Rock Geochemistry	In Pocket
11	Silver Rock Geochemistry	In Pocket
12	Nickel Rock Geochemistry	In Pocket
13	Trench TR-17-11	14
14	Trench TR-17-12	14
15	Trench TR-17-05	16
16	Trench TR-17-06	17

INTRODUCTION

The Michelle property covers 23 known, lead-, silver- and gallium-bearing, non-sulphide and sulphide zinc occurrences. The property lies within a belt of carbonate rocks that host significant zinc±lead±silver deposits, including Pine Point, Gayna River, Prairie Creek, Goz and Blende. It is located in central Yukon and is wholly owned by Silver Range Resources Ltd.

This report describes hand trenching, prospecting, geochemical sampling and geological mapping conducted between June 6 and July 6, 2017 by Archer, Cathro & Associates (1981) Limited on behalf of Silver Range. The author supervised the program and interpreted all resulting data. His Statement of Qualifications is in Appendix I, and a Statement of Expenditures is located in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Michelle property is located in central Yukon, approximately 130 km north-northeast of Dawson City, at latitude 64°58′ north and longitude 137°44′ west on NTS map sheets 116A/13, 116B/16 and 116H/04 (Figure 1).

The property comprises a total of 782 contiguous mineral claims covering approximately 15,900 ha (159 km^2). Four hundred and six of the claims lie within the Mayo Mining District, while the other 376 claims are located in the Dawson Mining District. All claims are registered in the name of Archer Cathro, which holds them in trust for Silver Range. Details concerning the claims are listed below, and the locations of individual claims are shown on Figure 2.

Mining District	Claim Name	Claim Number	Grant Number	Expiry Date*
Mayo	Michelle	1-2	YC50208-YC50209	March 26, 2034
		3-20	YC56625-YC56664	March 26, 2033
		21-60	YC56625-YC56664	March 26, 2033
		61-90	YC57212-YC57241	March 26, 2033
		91-96	YC68288-YC68293	March 26, 2031
	M	1-12	YC69793-YC69804	March 26, 2031
		19-126	YC69811-YC69918	March 26, 2031
	US	1-42	YC69663-YC69704	March 26, 2031
	ZN	1-148	YC70337-YC70484	February 26, 2033
Dawson	Hot	1-11	YC62420-YC62430	March 26, 2032
		12	YC62957	March 26, 2032
		13-22	YC63033-YC63042	March 26, 2031
	H	1-68	YC75530-YC75597	March 26, 2028
		69-88	YC75598-YC75617	March 26, 2032
		89-159	YC75618-YC75688	March 26, 2028
	OT	1-30	YC76067-YC76096	March 26, 2028
	NS	1-165	YC76298-YC76462	March 05, 2030

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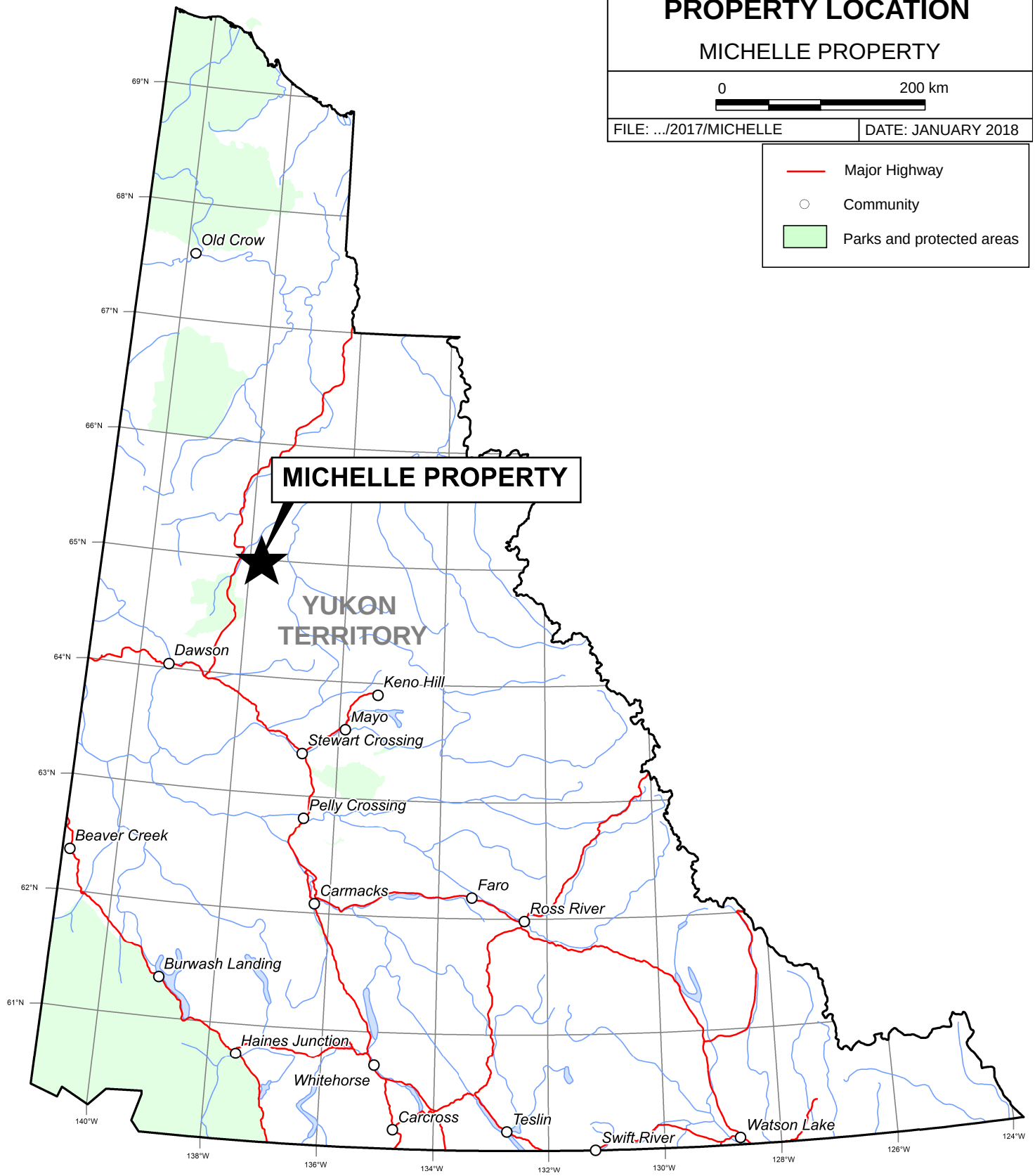
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

MICHELLE PROPERTY

0 200 km

FILE: .../2017/MICHELLE | DATE: JANUARY 2018



* Expiry dates include 2017 work, which has been filed for assessment credit but not yet accepted.

The 2017 exploration program was conducted from a series of fly camps located on the property. Mobilization of camp gear, personnel and supplies was done from a staging area at the Chapman Lake Airstrip, which is located 25 km southwest of the property, on the Dempster Highway. From there, conveyance to and from the property was performed by a Bell 206 L4 helicopter operated by Fireweed Helicopters from its permanent base in Dawson City.

The Michelle property lies within the traditional territories of the Tr'ondëk Hwëch'in and Nacho Nyak Dun first nations, which have concluded land claim agreements with Canada and Yukon. The property is located within the Peel River Watershed, which is subject to a staking moratorium while land use planning is underway.

HISTORY AND PREVIOUS WORK

In 1974, Dynasty Exploration Limited staked two non-contiguous claims blocks over parts of the current Michelle property. The first set of claims, in the easternmost part of the property, covered the headwaters of a small stream that returned highly anomalous values for zinc- and lead-in-silt (Dean, 1975). The second claim block was located about five kilometres to the west and covered an occurrence of sulphide zinc-lead mineralization (Dean and Carne, 1974). That year, hand trenching, prospecting, geological mapping and geochemical sampling led to the discovery of gossanous zinc mineralization on the eastern claim block and identified significant in-situ zinc-lead-silver mineralization on the western block. The two areas are now referred to as the Gully Zone and the Dynasty Showing, respectively.

In 1975, Dynasty Exploration's claims were transferred to Cyprus Anvil Mining Corp. and were further explored by geochemical sampling, mapping and hand trenching. The claims were subsequently allowed to lapse.

In 2001, two Archer Cathro geologists spent one day prospecting in the vicinity of the old claims on behalf of Strategic Metals Ltd. A number of rock samples were collected, but no claims were staked.

In 2006, three Archer Cathro geologists spent another day prospecting in the area of the former eastern claim block (Gully Zone), on behalf of Strategic Metals. Numerous limonite specimens, some with residual galena, were picked up in a creek bed and returned highly anomalous values for zinc, lead and silver. Prospecting at the time was limited by extensive snow cover. The area was briefly re-examined later that summer and was staked as the Michelle 1-20 claims. The property was sold to Zinccorp Resources Inc. by Strategic Metals in March 2007 and was then expanded from 20 to 112 claims.

In 2007, Zinccorp Resources carried out a program of geochemical sampling, prospecting, geological mapping and 853.13 m of diamond drilling in seven holes. Diamond drilling tested for the source of mineralized float associated with a recessive-weathering north-trending fault, from two drill sites at the Gully Zone. One of the holes (MCH-07-06) averaged 16.76% zinc,

8.87% lead and 309.5 g/t silver over 18.29 m, including 22.72% zinc, 17.38% lead and 510.7 g/t silver over 7.94 m. Assay results from drill core generally returned much higher values for zinc, lead and silver than were anticipated from visual estimates. Prospecting and geochemical sampling identified another two zinc-lead-silver occurrences – the Peak Zone and the Cirque Showing (Eaton, 2008). Results from this program are further described in the Mineralization section below.

In 2008, Zinccorp Resources completed 3113.27 m of diamond drilling in 26 holes, as part of an exploration program that also involved geological mapping, prospecting and geochemical sampling. Eleven of the holes were drilled at the Gully Zone and extended the known strike length of the mineralized north-trending fault. The remaining 15 holes were drilled at the Peak Zone. The best results obtained from this drill program were 5.36% zinc, 16.36% lead, 152 g/t silver and 870 ppm gallium over 9.40 m at the Gully Zone; and 1.20% zinc, 3.29% lead and 347 g/t silver over 24.54 m, including 0.55% zinc, 15.18% lead and 2133.9 g/t silver over 2.95 m, at the Peak Zone. Prospecting and geochemical sampling identified another twelve mineral occurrences on the property – the Blender, Gaynor, Gaz, Pinpoint, Nanny, Nanny West (now Terrier), Civic, Michelle West, Polar, Us, Prairie Dog and OT showings. A complete report pertaining to this work can be found in Eaton (2009), while results are summarized in the Mineralization section below.

In 2009, Zinccorp Resources performed prospecting and geochemical sampling on the property. The program identified another mineral occurrence, the Scorpion Showing, in the southern part of the property. A grab sample from this new showing, consisting of cobbles of limonite with residual galena returned 29.2% zinc, 20.4% lead and 145 g/t silver (Mann, 2009).

In 2010, Zinccorp Resources conducted geochemical sampling, prospecting, geological mapping, geophysical surveying and 1033.88 m of diamond drilling in 10 holes. Five of the holes were drilled at the Blender Zone, one at the Peak Zone and four at the Nanny West Showing. The drill core was only partly assayed and all 10 holes failed to return significant results. Prospecting identified a new mineral occurrence, the Silver Matt Showing, in the southwestern part of the property. Samples collected from this showing, comprising cobbles of galena with oxide rinds, returned up to 4180 g/t silver and 82.8% lead. Geophysical surveying using a handheld gravity meter yielded inconclusive results, partly due to instrument failure (Liverton et. al., 2010).

In winter 2012, Strategic Metals repurchased the Michelle property from Zinccorp Resources, and in 2013, conducted aerial photography of the entire property. The following summer ground surveys were performed, which resulted in the creation of property-scale orthophotos and detailed topographic maps (Burrell, 2015).

In 2015, Strategic Metals performed hand trenching, prospecting, geochemical sampling and geological mapping on the property. This work identified four new mineral occurrences – the Boxer, Pitbull, Heeler and Husky showings. Hand trenching successfully exposed in-situ sulphide mineralization at the Silver Matt Showing, which returned 8.1% zinc, 46.9% lead and 894 g/t silver over an estimated true thickness of 1 m, and a wide interval of in-situ oxide mineralization at the Gaynor Showing, which returned a weighted average of 2.2% zinc, 14.8%

lead and 371 g/t silver over 17 m. Later that year, Strategic Metals transferred its interest in the Michelle property to Silver Range, as part of a larger property exchange agreement.

GEOMORPHOLOGY

The Michelle property is located in the Ogilvie Mountains of central Yukon Territory. It is drained by creeks that flow into the Hart and Blackstone rivers and ultimately into the Arctic Ocean via the Peel and Mackenzie rivers.

The property covers gentle to rugged, sub-alpine to alpine terrain with local elevations ranging from about 900 to 1850 m. Slopes comprise blocky talus with castellated ridge crests at higher elevations and broad valleys at lower elevations. Mountaintops are bare and most slopes are sparsely vegetated, which can contribute to flash flooding during heavy rains. The larger creek valleys contain aspen, white and black spruce, tamarack and tundra (Pyle et al., 2007). Water supply is variable in the area, with good flow rates throughout summer where creek beds are near bedrock, but little or no surface flow in areas of deep unconsolidated material. A few creeks contain bright orange iron-oxyhydroxide precipitates.

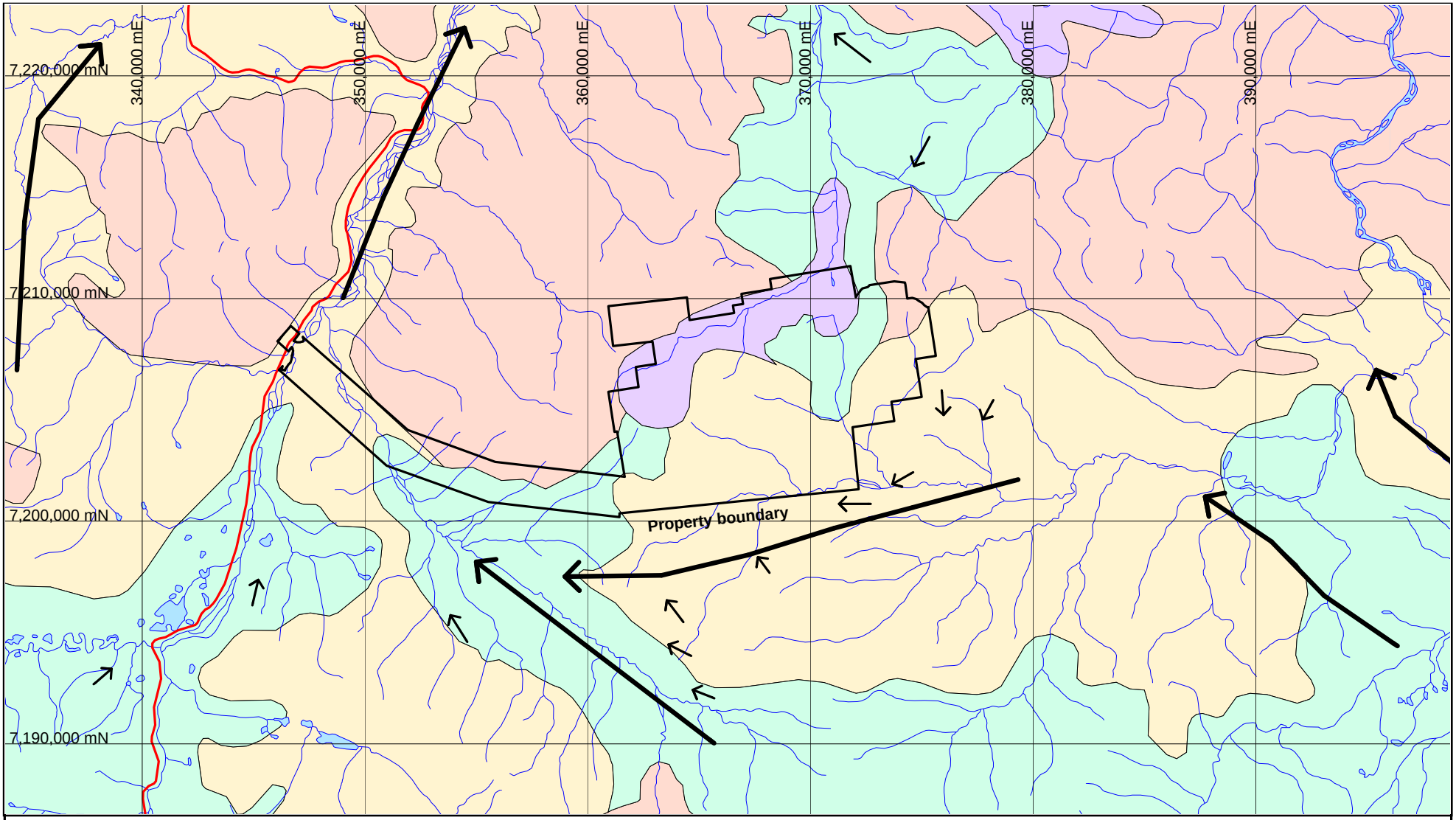
The property straddles the boundary between historically glaciated and unglaciated terrains (Figure 3). Two continental ice sheets (Laurentide and Cordilleran) covered much of North America in the Quaternary Period. The maximum advance of the Laurentide Ice Sheet terminated a considerable distance to the east and did not directly affect the geomorphology of the property. The Cordilleran Ice Sheet covered most of central and southern Yukon. It advanced at least four times between 2.5 Ma (million years ago) and 11 Ka (thousand years ago); however, deposits of only the last two glaciations (Reid – 300 to 200 Ka and McConnell – 25 to 12 Ka) can be distinguished today. Deposits from older glaciations are collectively referred to as "pre-Reid." The Ogilvie Mountains were generally unglaciated during these advances, but because the Michelle property is located adjacent to a broad valley, it was likely subjected to advancements and retreats of the Cordilleran Ice Sheet (Pyle et al., 2007). The general flow directions in the Ogilvie Mountains were westerly and northerly (away from the main body of the glacier), but locally variable in tributary valleys (Figure 3). There is evidence of alpine glaciation in north-facing cirques on the property.

REGIONAL GEOLOGY

The Michelle property is located within Mackenzie Platform (Figure 4), a tectonic element comprising episodic miogeoclinal sediments deposited on the west side of ancestral North America from Lower Paleozoic through to Middle Paleozoic times.

The property lies 25 km north of the Dawson Thrust Fault, which separates Selwyn Basin to the south from Mackenzie Platform to the north. This fault is a crustal break that may date back to late Neoproterozoic rifting and was subsequently reactivated as a north-directed thrust fault during Paleozoic extension and Mesozoic compression (Colpron et al, 2013).

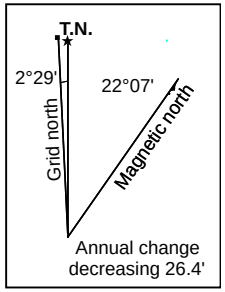
The geology in the region consists of five sedimentary units classified by Gordey and Makepeace (1999) as Quartet Group, Gillespie Lake Group, Road River Group, Bouvette Formation and



HISTORICAL GLACIATIONS

- McConnell (ca. 22 Ka)
- Reid (ca. 200 Ka)
- Pre-Reid (ca. 3 Ma)
- Unglaciated

- Dempster Highway
- Local flow direction
- Regional flow direction



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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GLACIAL EXTENTS

MICHELLE PROPERTY

0 10 km

UTM ZONE 8, NAD 83, 116A/13, 116B/16, 116H/04

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FIGURE 4

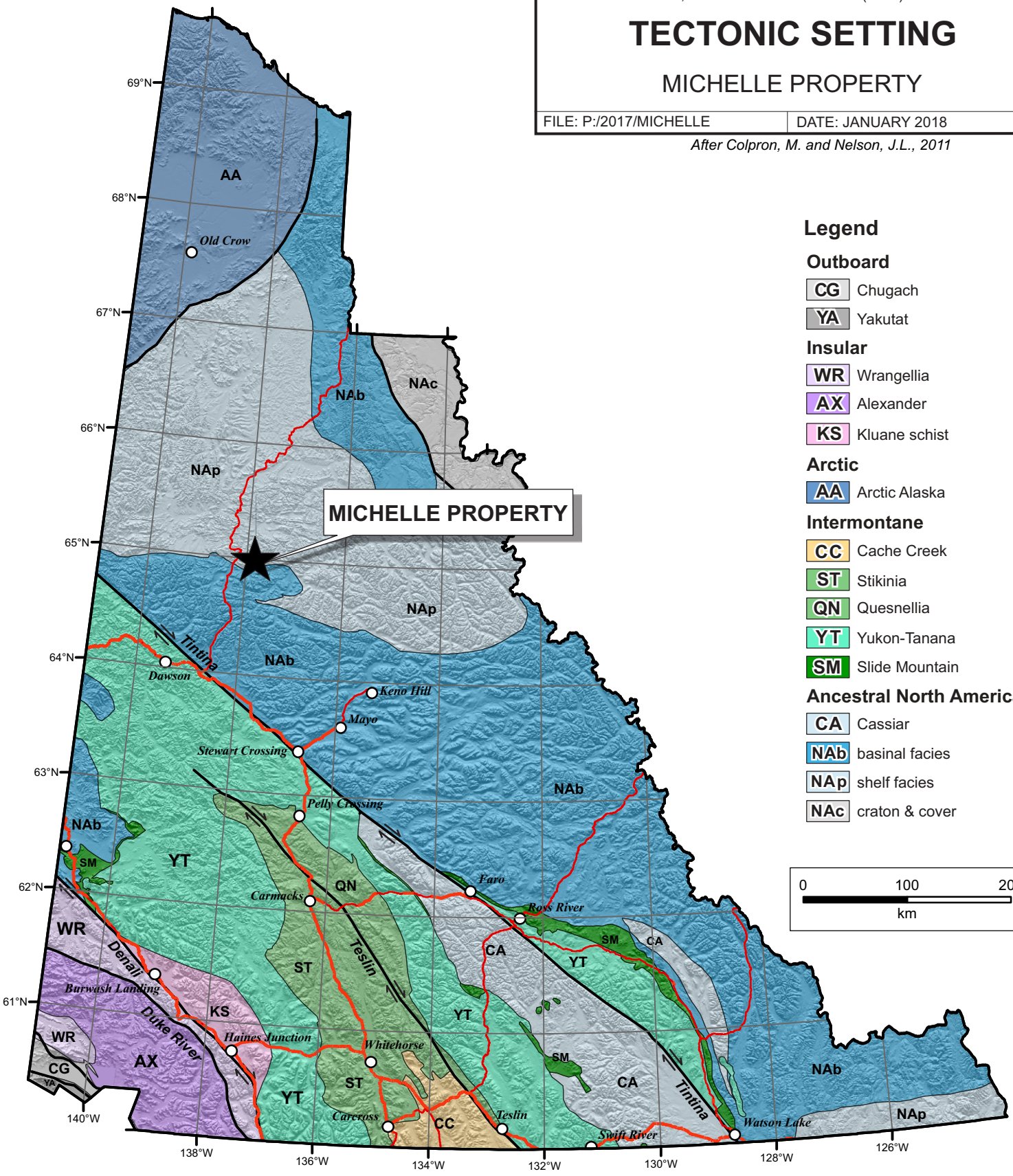
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

MICHELLE PROPERTY

FILE: P:/2017/MICHELLE | DATE: JANUARY 2018

After Colpron, M. and Nelson, J.L., 2011



Legend

Outboard

- CG Chugach
- YA Yakutat

Insular

- WR Wrangellia
- AX Alexander
- KS Kluane schist

Arctic

- AA Arctic Alaska

Intermontane

- CC Cache Creek
- ST Stikinia
- QN Quesnellia
- YT Yukon-Tanana
- SM Slide Mountain

Ancestral North America

- CA Cassiar
- NAb basinal facies
- NAp shelf facies
- NAc craton & cover

0 100 200 km

Earn Group (Figure 5). Lower Proterozoic Quartet and Gillespie Lake groups, which belong to the Wernecke Supergroup, are exposed in a series of windows scattered across the region. Road River Group epitomizes Selwyn Basin, while Bouvette Formation is part of Mackenzie Platform. Earn Group is a transgressive shale package that appears in both the basinal and platformal sequences.

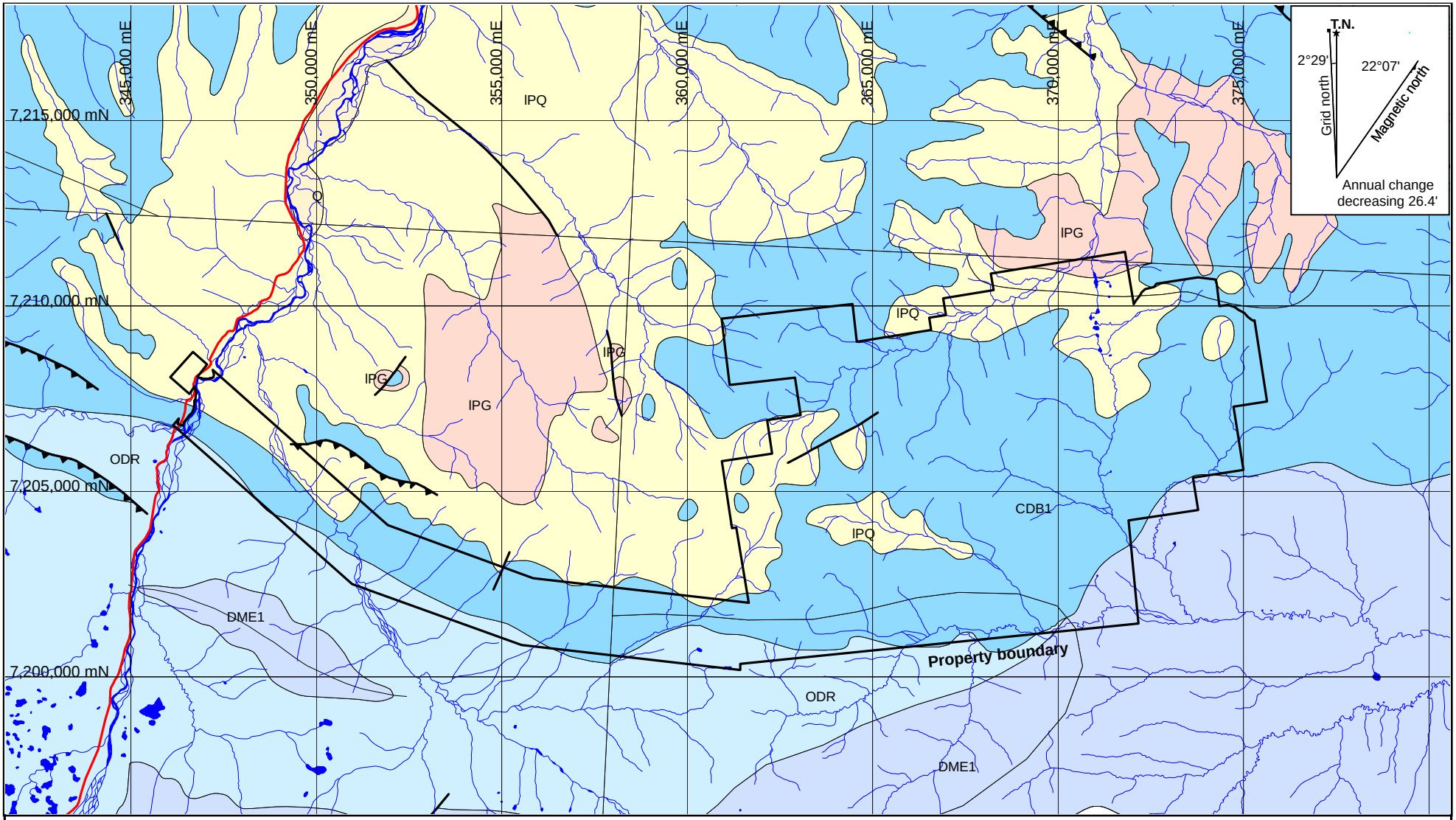
Quartet Group consists primarily of grey-brown, relatively unmetamorphosed shale and siltstone that are often strongly folded. Those deeper water sediments are overlain by orange-brown Gillespie Lake Group dolostone and shallow water clastic sediments. Gently folded, massive dolostone and limestone of Upper Cambrian to Lower Devonian Bouvette Formation unconformably overlie the Lower Proterozoic sediments. Bouvette Formation carbonates are locally overlain by a thin tongue of Ordovician to Lower Devonian Road River Group black shale and chert, which was deposited when Selwyn Basin briefly flooded on to Mackenzie Platform. Black siltstone and chert pebble conglomerate of the Devonian to Mississippian Earn Group overlie Bouvette Formation or Road River Group sediments (Pyle et al., 2007). The lithological units that occur in the immediate vicinity of the Michelle property are described in Table I.

Table I – Regional Lithological Units (*after Gordey and Makepeace, 1999*)

Unit Name	Map Name	Age	Description
Earn Group	DME	Devonian and Mississippian	Complex assemblage of submarine fan and channel deposits with slate, chert-quartz arenite and wacke, chert pebble conglomerate, siltstone, barite and rare limestone.
Road River Group	ODR	Ordovician to Lower Devonian	Black shale and chert.
Bouvette Formation	CDB	Upper Cambrian to Lower Devonian	Medium to thick bedded or massive dolostone and limestone, minor argillaceous limestone, limestone conglomerate and black shale.
Unconformity			
Gillespie Lake Group	IPG	Lower Proterozoic	Dolostone and silty dolostone, locally with chert nodules and sparry karst infillings, interbedded with lesser siltstone, shale, mudstone and sandstone.
Quartet Group	IPQ	Lower Proterozoic	Black weathering shale, finely laminated dark grey weathering siltstone, and thinly to thickly interbedded, light grey weathering siltstone and fine grained sandstone.

PROPERTY GEOLOGY

In 2015 and 2017, Strategic Metals conducted 1:10000 scale mapping on parts of the Michelle property (Figure 6). The following is a summary based on this work, as well as observations made by exploration geologists who have worked on the property at various times.



DME1	Earn Group: thin bedded, laminated slate with thin to thickly interbedded chert-quartz arenite and wacke, chert pebble conglomerate, siliceous siltstone and barite.
ODR	Road River Group: black shale and chert.
CDB1	Bouvette Formation: medium to thick bedded or massive dolomite and limestone, minor argillaceous limestone, limestone conglomerate and black shale.
IPG	Gillespie Lake Group: dolostone and silty dolostone, interbedded with lesser black siltstone, shale, mudstone and sandstone.
IPQ	Quartet Group: shale, finely laminated siltstone and thin to thickly interbedded siltstone and fine grained sandstone.

Fault

Dempster Highway

After Gordey and Makepeace, 1999

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FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

MICHELLE PROPERTY

0 5 km

UTM ZONE 8, NAD 83, 116A/13, 116B/16, 116H/04

FILE: ../2017/MICHELLE | DATE: JANUARY 2018

The oldest units on the property are Lower Proterozoic Quartet Group and Gillespie Lake Group sedimentary rocks, which are exposed in drainages at lower elevations. Quartet Group strata are mapped at a regional-scale by the Yukon Geological Survey within many low areas on the property (Gordey and Makepeace, 1999), but detailed mapping by Strategic Metals has re-interpreted some of these strata as Gillespie Lake Group, which is locally subdivided into two units – IPG1 and IPG2. IPG2 consists of finely bedded, tan weathering dolostone, green weathering argillite and minor black shale, and is overlain by IPG1, which comprises brick-red to light grey weathering, wavy bedded, silty dolostone, with rare coarse grained diagenetic pyrite. These two units are unconformably overlain by Upper Cambrian to Lower Devonian Bouvette Formation limestone and dolostone. The surface trace of the unconformity is typically marked by gossanous soil and talus.

Bouvette Formation sedimentary rock underlies most of the property and is locally sub-divided into two units – CDB and CDB1. CDB1 consists of resistive, dark grey to black, fossiliferous (coral) dolostone and 'zebra' dolostone. It is interbedded with non-clastic and undifferentiated light to medium grey, flaggy to thick-bedded sparry dolostone and limestone, with minor mudstone and chert (CDB). CDB1 is cliff-forming at higher elevations and is marked by conspicuous, dark and blocky talus at lower elevations (Photos 1 and 2). It has an estimated thickness of 220 m. Mineralization observed on the property to date is hosted exclusively within Bouvette Formation.

Photo 1 – Bouvette Formation (CDB1) Fossiliferous Dolostone



Photo 2 – Black CDB1 Talus along a Hillslope



On a ridge in the central part of the property, a small package of siliceous, dark grey to black, graptolitic Earn Group shale overlies Bouvette Formation strata. This unit has not been observed elsewhere on the property.

High-angle faults on the property generally strike north to northeast, exhibit a small sense of displacement where they intersect and offset CDB1, and in several locations juxtapose Bouvette Formation carbonates against Gillespie Lake sedimentary rock. In the northern part of the property, the north-directed Dynasty Thrust Fault cuts Bouvette Formation and exposes a thin package of CDB1. East of the Dynasty Thrust Fault, a north-trending fault cuts both Bouvette Formation and the underlying Gillespie Lake Group. Bedding on the property generally dips north and south as a result of open, shallowly east-plunging folds. Drainages are often developed in fold hinges in the central part of the property.

MINERALIZATION AND HAND TRENCHING

Prospecting, hand trenching and drilling have identified 21 named showings, and 2 zones (zones are showings where drilling has confirmed the depth extent of mineralization) plus several isolated float occurrences (Figure 7). A number of the showings and zones are marked by weak gossans located on or near ridge crests, where the softer and more fractured mineralized rocks are least likely to be covered by harder, more massive unmineralized talus. Mineralization consists almost exclusively of cavity-, fracture- and/or breccia-hosted, secondary oxide and carbonate minerals, predominantly limonite and smithsonite. In hand specimens, it is often difficult to determine relative percentages of the secondary minerals and, as such, visible grade estimates are unreliable. Residual galena, with cerussite or anglesite envelopes, is present in some showings. Relatively unoxidized sulphide mineralization (consisting of nearly massive sphalerite, galena and pyrite with coatings of hydrozincite) has only been observed in three locations (Dynasty, Silver Matt and Husky showings).

360,000 mE
365,000 mE
370,000 mE
375,000 mE
7,210,000 mN
7,205,000 mN
7,200,000 mN
OT
CIVIC
PINPOINT
DYNASTY
HUSKY
CIRQUE
GULLY
GAYNOR
GAZ
TERRIER
NANNY
PITBULL
BOXER
PEAK &
MICHELLE WEST
BLENDER
GATAGA
POLAR & US
PRAIRIE DOG
SCORPION
SILVER MATT
HEELER
T.N.
1°47'
21°25'
Grid north
Magnetic north
Annual change
decreasing 25.1'
Diamond Drill Hole
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FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
MINERAL OCCURRENCES
MICHELLE PROPERTY
0
5 km
NAD 83 ZONE 8, 116A/13 & 116B/16
FILE: .../2017/MICHELLE
DATE: JANUARY 2018

In 2010, Zinccorp submitted a sulphide-rich specimen from the Dynasty Showing to Vancouver Petrographics for polished section analysis. The specimen comprised zoned sphalerite showing variable iron content with small (<0.15 mm) euhedral to subhedral pyrite and an interstitial network of galena. The galena was brecciated with carbonate minerals filling the matrix. This brittle deformation is attributed to low temperatures during deformation (Mann, 2010). Carbonate gangue interstitial to the sphalerite represented approximately 5% of the specimen.

Although most of the mineral showings and zones appear to be hosted in steeply dipping structures that trend northeasterly, some stratabound mineralization has been observed, notably at the Civic, Boxer and Gataga showings and the Gully Zone.

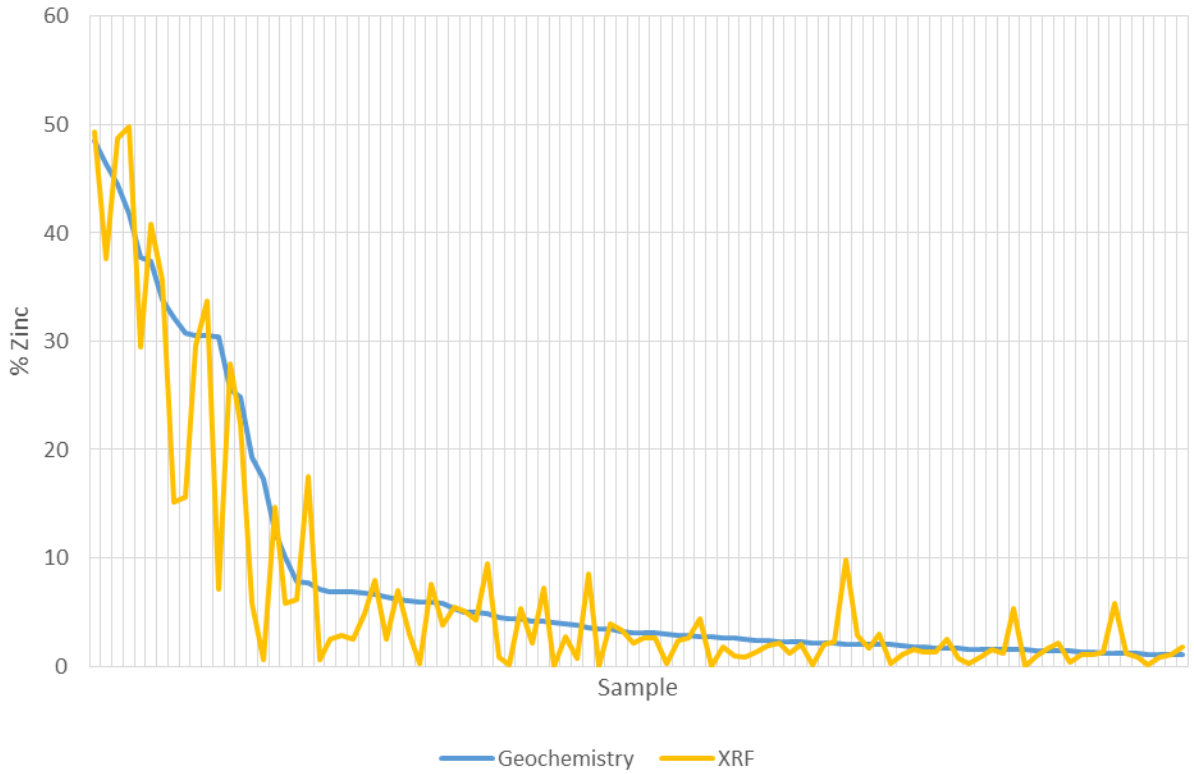
A galena-bearing sample from an uncertain location was submitted to the Department of Geological Sciences at the University of British Columbia by Dynasty Exploration for lead isotope dating. Results showed markedly radiogenic lead, which is typical of Mississippi Valley Type (MVT) deposits. The sample likely reflects a Devonian-Mississippian age of formation because it falls on the line of young carbonate deposits (Godwin et al., 1988).

Between 2008 and 2014, a total of 410 rock samples were taken on the Michelle property, with the majority of samples collected from the zones and showings in the northeastern part of the property.

In 2015 and 2017, another 195 and 162 rock samples were collected, respectively. Samples were analyzed in the field by portable X-ray fluorescence (XRF) of a single test area per sample. Test areas were selected as randomly as possible and each analysis was performed for 30 seconds or longer. From these samples, 314 were selected for further geochemical analysis.

Regression analysis comparing the 2015 and 2017 zinc geochemical results and the zinc content measured by the portable XRF suggests a linear correlation between the two values, with a correlation coefficient of 0.92 and an unstructured dispersion of regression residuals (Chart 1). The same comparison for lead and silver produces poorly fitting models with non-random residuals and, therefore, use of the portable XRF for lead and silver analysis was ineffective. No distinction was made between samples based on mineralization type or grade.

Chart 1 – Comparison of XRF and Geochemical Zinc Results (For Assay Values > 1%)



The 2017 rock sample locations are illustrated on Figure 8, along with significant geochemical results. Results for zinc, lead, silver and nickel for rock samples taken between 2008 and 2017 are illustrated thematically on Figures 9 to 12, respectively. Rock Sample Descriptions and Certificates of Analysis for the 2017 samples are provided in Appendices III and IV, respectively.

In 2017, rock sample sites were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. Rock sample preparation and multi-element analyses were carried out at ALS Minerals' laboratories in Whitehorse, Yukon and North Vancouver, BC, respectively. Each sample was dried and fine crushed to better than 70% passing 2 mm, and then a 250 g split was pulverized to better than 85% passing 75 microns. The fine fraction was analyzed for 48 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS61). Over limit zinc, lead and silver values were determined using aqua regia digestion with inductively coupled plasma and either atomic emission spectroscopy or atomic absorption spectroscopy (Zn-, Pb- or Ag-OG46).

The thresholds used to define weakly, moderately and strongly anomalous threshold values for zinc, lead, silver, gallium, nickel, copper, molybdenum, germanium, indium, bismuth, antimony, arsenic and vanadium are listed on Table II along with peak values for those elements, attained from 2008-2017 rock samples. During the exploration programs different digestion techniques and analytical finishes were used for rock samples. The table below highlights the importance of

the digestion and analytical techniques. Not all elements of interest are included in some analytical techniques and significantly higher values were obtained for some elements when a four acid, near-complete digestion was used rather than a simple aqua regia digestion.

Table II - Thresholds for Surface Rock Values

Element	Thresholds			Peak Value
	Weak	Moderate	Strong	
Zinc	1.00 < 2.00%	≥ 2.00 < 10.00%	≥ 10.00%	48.57%*
Lead	0.50 < 2.00%	≥ 2.00 < 10.00%	≥ 10.00%	82.78%*
Silver	20 < 50 ppm	≥ 50 < 200 ppm	≥ 200 ppm	4,180 g/t*
Gallium	50 < 100 ppm	≥ 100 < 200 ppm	≥ 200 ppm	1,120 ppm†
Nickel	100 < 200 ppm	≥ 200 < 500 ppm	≥ 500 ppm	4,050 ppm†
Copper	200 < 500 ppm	≥ 500 < 1000 ppm	≥ 1,000 ppm	7,230 ppm°
Antimony	50 < 100 ppm	≥ 100 < 200 ppm	≥ 200 ppm	4,860 ppm†
Molybdenum	50 < 100 ppm	≥ 100 < 200 ppm	≥ 200 ppm	1,950 ppm†
Germanium	5 < 10 ppm	≥ 10 < 20 ppm	≥ 20 ppm	144 ppm*
Indium	5 < 10 ppm	≥ 10 < 20 ppm	≥ 20 ppm	68.7 ppm*
Bismuth	2 < 5 ppm	≥ 5 < 10 ppm	≥ 10 ppm	200 ppm†
Arsenic	200 < 500 ppm	≥ 500 < 1000 ppm	≥ 1,000 ppm	2,850 ppm†
Vanadium	100 < 200 ppm	≥ 200 < 500 ppm	≥ 500 ppm	4,170 ppm

*ME-MS61 – four acid digestion with inductively coupled plasma-mass spectrometry
† ME-ICP61a – four acid digestion with inductively coupled plasma-atomic emission spectroscopy
° ME-ICP41 – aqua regia digestion with inductively coupled plasma-atomic emission spectroscopy

Based on field observations and data compilations, most of mineralization is characterized as MVT-style zinc with varying amounts of iron, lead, silver and gallium. Almost all of these showings are deeply weathered due to mostly unglaciated terrain. Depending upon the depth of erosion, three types of non-sulphide minerals have been identified: leached iron cap; in situ oxidation; and, supergene enrichment. Six idealized sub-types of mineralization have been developed. The criteria for categorizing mineralization are summarized on Table III.

Table III - Criteria for Categorizing Non-Sulphide Zn-Pb-Ag Mineralization

Mineralization Type	Criteria
Weak leached iron cap	Zn (0 < 2%), Fe (< 10 %) Pb (< 1%), Ag (< 50 ppm) and Ga (< 50 ppm) unless reported otherwise.
Leached iron cap	Zn (0 < 5 %), Fe (≥ 10%) Pb (< 1%), Ag (< 50 ppm) and Ga (< 50 ppm) unless reported otherwise.
Weak in situ oxidation	Zn + Pb (< 5%), Fe (< 10%) Weak Ag and Ga. Relative proportion of Zn : (Pb + Fe) about 50:50.
In situ oxidation	Zn + Pb (≥ 5%) Ag and Ga variable, reported if ≥ 50 ppm for either. Substantial Pb and/or Fe.
Weak supergene enrichment	Zn (≥ 1%) Relative proportion of Zn : (Pb + Fe) at least 60:40. Weak Pb, Ag and Ga.
Supergene enrichment	Zn (≥ 10%) Relative proportion of Zn : (Pb + Fe) at least 80:20. Weak Pb, Ag and Ga.

The relative abundance of silver, gallium and bismuth suggests a higher temperature of formation than is common in most MVT and non-sulphide zinc deposits. Localized concentrations of nickel, molybdenum and vanadium are also unexpected in typical MVT deposits and suggest that two types of mineralizing systems may be over-printed on each other.

In 2008, a study of all mineralized samples with a significant carbonate content (minimum of 10% combined calcium and magnesium, which are the dominant cations in common carbonate rocks on the property) was completed to determine whether the mineralization is hosted in dolomite or limestone. For the purpose of this study, dolomite was inferred to be present if the relative magnesium content is in the 35-37% range [Mg/(Ca+Mg)]. All of the mineralized samples fell within this percent range (Eaton, 2008). This is not uncommon since most MVT deposits are associated with an envelope of extensive hydrothermal dolomitization that may extend tens of thousands of metres beyond the sulphide bodies (Paradis et al., 2007).

Descriptions of the local geomorphology, size, mineralogy and geochemistry of the 23 named showings and zones are provided in the following paragraphs.

The **Gully Zone** lies on the south side of a tributary valley in the eastern portion of the claim block. The zone is marked by a patch of rusty soil and talus, which lie within and near to a recessive linear that contains abundant fragments of smithsonite and limonite with occasional residual galena. The strongest mineralization is hosted in a north-trending reverse fault that dips moderately to the west (Gully Fault). Surface specimen samples from this showing averaged 24.0% zinc, 38.93% lead, 953 g/t silver and 327 ppm gallium (Eaton, 2009). A few of these samples returned spot highs for nickel (up to 429 ppm). In addition to the fault-hosted mineralization, stratabound mineralization at the Gully Zone is developed within a faulted horizon of fossiliferous dolostone (CDB1). A number of mostly unexplored gossanous areas coincide with air photo linears southwest of the Gully Zone. One of these gossanous areas, 700 m southwest of the Gully Zone, yielded samples that averaged 2.40% zinc and 2.00% lead,

(Eaton, 2009). Diamond drill results from the Gully Zone are discussed in the Diamond Drilling section below.

The **Cirque Showing** is situated 750 m northeast of the Gully Zone, in the footwall of the Gully Fault. It comprises a train of massive, fossiliferous (CDB1) limonite blocks in talus. These blocks reach maximum dimensions of approximately 2.5 x 2.0 x 0.75 m. Samples from the largest blocks yielded relatively low values (up to 0.77% zinc, 0.07% lead and 4.8 g/t silver), but smaller blocks in the same area returned up to 2.88% zinc, 0.46% lead and 8.6 g/t silver (Eaton, 2009). Scattered pieces of gossanous float occur along the talus slope between the Cirque Showing and Gully Zone, suggesting that stratabound mineralization is hosted along the CDB – CDB1 contact. Samples from this area mostly returned moderate zinc values, with the best sample yielding 16.50% zinc, 1.54% lead and 41.3 g/t silver. Sporadic mineralization on the north side of the valley is associated with the north-trending Gully Fault. In 2017, a composite sample collected from this area, and comprising limonitic crackle breccia, assayed 30.5% zinc, 0.23% lead and 1.55 g/t silver. Samples collected east of the Cirque Showing, from an approximately 30 m by 30 m talus train of galena-bearing oxide, returned up to 172 g/t silver, 10.6% lead and 2.29% zinc. Hand trenching in 2017, which was frustrated by a deep talus cover, failed to reach bedrock, and the full extent of the zinc mineralization remains unknown.

The **Peak Zone** is located 4500 m west of the Gully Zone. It has been explored by soil sampling, prospecting, mapping and diamond drilling. Mineralization in this zone is found in talus over a strike length of 800 m and consists of limonite- and smithsonite-rich float with rare residual galena. Analyses revealed that samples are characterized as leached iron cap, averaging 1.81% zinc and 3.32% lead (Eaton, 2008). Silver and gallium values were generally low in this material, peaking at 58 g/t and 60 ppm, respectively. Weakly mineralized samples of in situ oxidation averaged 5.02% zinc, while better grade samples of in situ oxidation averaged 10.59% zinc, 62.96% lead, 1732 g/t silver and 155 ppm gallium. Two samples collected along a ridge returned strongly anomalous molybdenum values up to 700 ppm (Eaton, 2008).

Two massive limonite outcrops lie roughly 50 m apart within the eastern part of the Peak Zone. They measure 13 by 1.5 m and 4 by 2 m, respectively. The limonite is developed along faults or fractures with vertical dips and northerly strikes. Two samples from this zone classified as leached iron cap averaged 1.18% zinc and 155 ppm gallium (Eaton, 2008).

Diamond drill results from the Peak Zone are discussed in the following section.

The **Dynasty Showing** lies 1500 m to the north and northeast of the Peak Zone. A portion of this showing was discovered by Dynasty in 1974 high on the headwall of a north-facing cirque. Several patches of sulphide-bearing talus, surrounded by gossanous soil and rocks containing smithsonite, limonite and rare residual galena, occur along the Dynasty Thrust Fault over a strike length of about two kilometres. The mineralized areas are located no more than 125 m apart.

In 1974, Dynasty dug several shallow hand trenches and uncovered a number of massive sphalerite and galena blocks. In 2008, a short extension dug on the uphill side of one of the Dynasty trenches revealed a 40 cm thick (true thickness), bedding-parallel band of massive sphalerite and galena with lesser pyrite and hydrozincite. A chip sample that was taken across

this band assayed 35.98% zinc, 23.48% lead and 197 g/t silver (Eaton, 2009). Samples were also taken perpendicular to bedding from visibly barren dolomite on either side of the sulphide band. The uphill sample yielded 1.12% zinc over 1.5 m and the downhill sample returned 1.36% zinc and 0.79% lead over 1.5 m. Both samples returned weak silver and gallium values.

Most of the other rock samples collected along the Dynasty Showing exhibited leached iron cap signatures that averaged 1.53% zinc. Some samples characterized as weak in situ oxidation mineralization returned 2.26% zinc and 1.26% lead, and a few specimens of better mineralized in situ oxidation averaged 11.51% zinc, 9.79% lead and 108 g/t silver (Eaton, 2008).

In 2015, rock samples collected along the Dynasty Thrust Fault, comprising limonitic oxide with masses of residual galena and white encrusting anglesite, yielded up to 32.2% zinc, 22.4% lead and 402 g/t silver (Morton, 2016).

The **Blender Showing** comprises two separate areas – North and South. The North Blender Showing is located 500 m east of the Peak Zone at the junction of two linears identified by air photo interpretation. It consists of several, intermittently mineralized float trains that extend for about 700 m southwesterly along a hillside. This showing, unlike most others on the property, is situated very low in a valley, only about 150 m uphill from a creek. The South Blender Showing lies 500 m southwest of the North Blender Showing, on the other side of a plateau. It comprises a small gossan and mineralized float train that cover a 20 by 15 m area.

The South Blender Showing consists primarily of massive limonite cobbles, and specimen samples of leached iron cap averaged 1.36% zinc (Eaton, 2008). In 2015, hand trenching at the South Blender Showing exposed dark limonitic oxide and vuggy hydrothermal dolostone. Chip samples from trench TR-15-A returned an average grade of 1.04% zinc over 10 m (Morton, 2016).

Mineralization in the North Blender Showing is primarily smithsonite- and limonite-healed dolomite breccia and massive limonite with rare residual galena. Leached iron cap samples averaged 1.92% zinc, while in situ oxidation samples averaged 27.74% zinc, 22.78% lead, 986 g/t silver and 533 ppm gallium. A supergene enriched specimen returned 14.05% zinc, with negligible values for the other metals (Eaton, 2008). Nickel and molybdenum values from the North Blender Showing are moderately elevated to peaks of 420 ppm and 278 ppm, respectively. Diamond drill results from this showing are discussed in the following section.

The **Gaynor Showing** lies on a ridge, 2000 m east-northeast of the Peak Zone. It comprises an approximately 25 m wide band containing gossanous soil with scattered mineralized talus fragments, which extends down both sides of the ridge for a cumulative length of 200 m (Eaton, 2008). The mineralization includes cavity-filling smithsonite and cobbles of massive limonite with rare residual galena. Samples of in situ oxidation mineralization averaged 7.94% zinc, 2.64% lead and 31 g/t silver with elevated gallium (90 ppm).

In 2015, hand trenching at the Gaynor Showing exposed in-situ oxidized lead-zinc mineralization consisting of orange to dark brown limonitic oxide, with rare botryoidal smithsonite on outside surfaces and sparse coarse grained galena with cerrusite envelopes. Chip

samples from trench TR-15-B returned a weighted average of 2.2% zinc, 14.8% lead and 370.7 g/t silver over 17 m (Morton, 2016).

In 2017 a parallel hand trench, located 20 metres west of TR-15-B, was completed. This trench (TR-17-11) intersected only slightly altered dolostone hosting rare coarse galena, and yielded an average grade of 0.93% zinc, 0.05% lead and 1.44 g/t silver over 8 m (Figure 13).

The **Gaz Showing** is located 2000 m east of the Peak Zone on a gossanous bench on a southeast-sloping ridge. Mineralization consists of abundant limonite cobbles within a 150 by 60 m area, containing some more concentrated gossans up to 30 m in diameter. A composite sample of leached iron cap material yielded 3.12% zinc, while a sample of in situ oxidation mineralization returned 0.26% zinc and 25.49% lead (Eaton, 2009).

In 2015, a sample of vuggy and coarse grained granular dolostone with intergranular masses of galena, smithsonite and sphalerite throughout, as well as sparse, very fine grained pyrite, yielded 5.89% zinc, 3.40% lead and 74.5 g/t silver. In 2017, a hand trench cut across the recessive bench (TR-17-12) exposed altered dolostone that returned an average grade of 1.13% zinc, 0.11% lead and 8.64 g/t silver over 6 m (Figure 14).

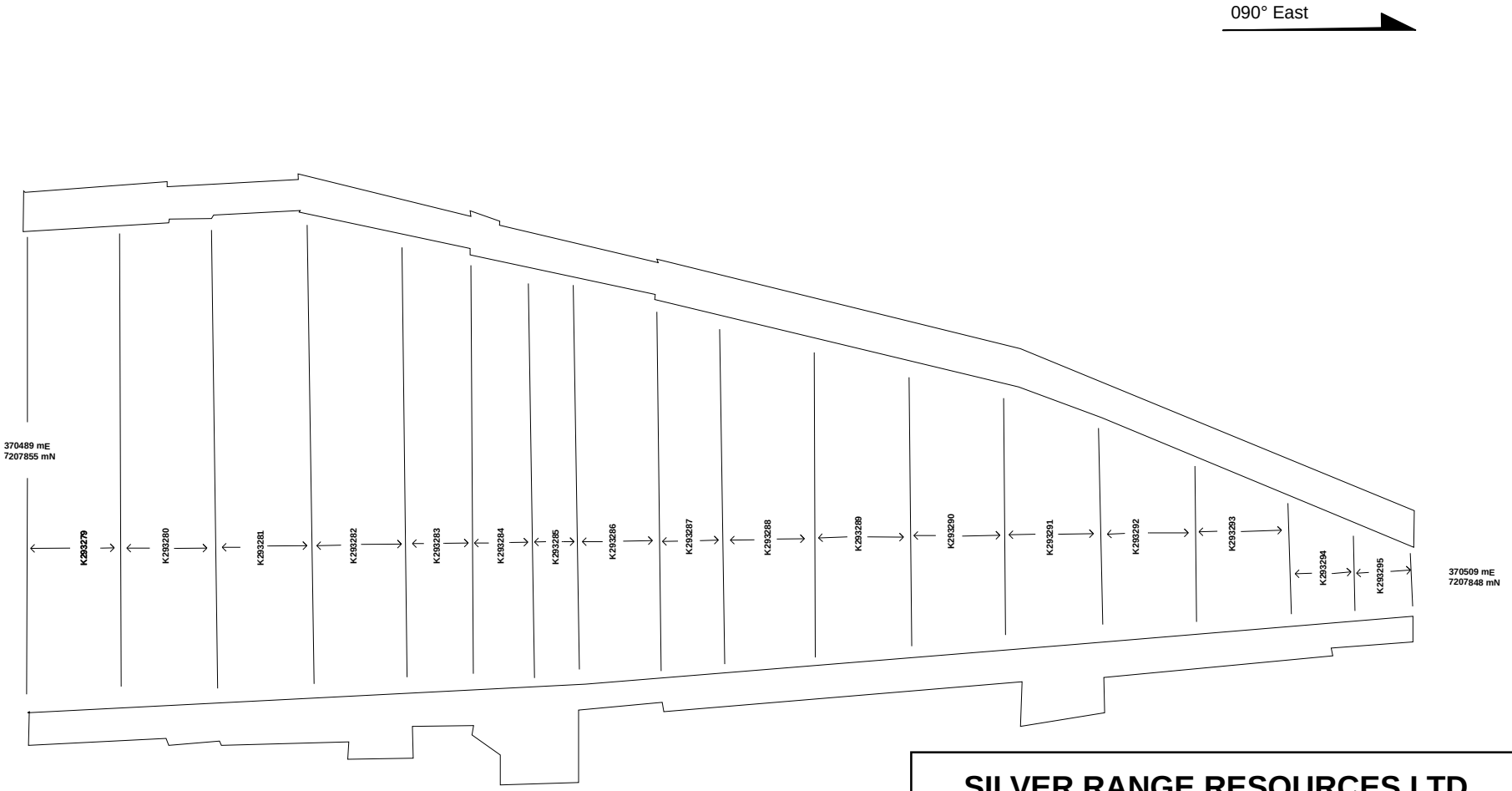
The **Gataga Showing** was identified in 2017 and covers complex, stratabound lead-zinc mineralization within karsted dolostone. It covers an approximately 150 m by 150 m area and is located 720 m southwest of the Gaz Showing. Mineralization is best developed within several recessive stratigraphic horizons, which are up to 3 m thick. Outcrop samples, comprising limonitic, brecciated dolostone with coarse crystalline dolomite and sparse clots of galena, returned up to 2.06% zinc, 2.45% lead and 7.83 g/t silver.

The **Husky Showing** is situated 900 m north of the Gaynor Showing, at the toe of a northeast trending ridge. It is located within or below a package of CDB1 and comprises several large boulders of massive galena, with a punky oxide rind and encrusting anglesite on outside surfaces. In 2015, a sample of this material returned 7.13 % zinc, 71.6% lead, 2400 g/t silver, and 151.5 ppm gallium (Morton, 2016). This area has received no follow-up work.

The **Pinpoint Showing** consists of a 250 by 100 m area of patchy mineralization on a west-facing slope, 1500 m northwest of the Peak Zone. The top of the mineralized area is marked by several small (up to 30 by 10 m) gossans. About 150 m south of the showing a strong, northeast-trending linear cuts across the ridge crest. Mineralization comprises weakly smithsonite-healed dolomite breccia and massive limonite blocks. Samples of leached iron cap material averaged 2.14% zinc, with up to 190 ppm gallium from a single sample (Eaton, 2009).

In 2015, a sample collected from a 30 by 55 by 40 cm boulder, comprising banded goethite and limonite, returned 2.20% zinc and 76.3 g/t silver. Another sample consisting of vuggy, sparry dolostone, with cavities filled with limonite and fine grained sphalerite, assayed 4.39% zinc (Morton, 2016).

The **Nanny Showing** is located on a north-northeast-trending ridge, about 2500 m west of the Peak Zone. Mineralized float is observed discontinuously over a width of 10 m on the ridge



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FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TRENCH TR-17-11

MICHELLE PROPERTY

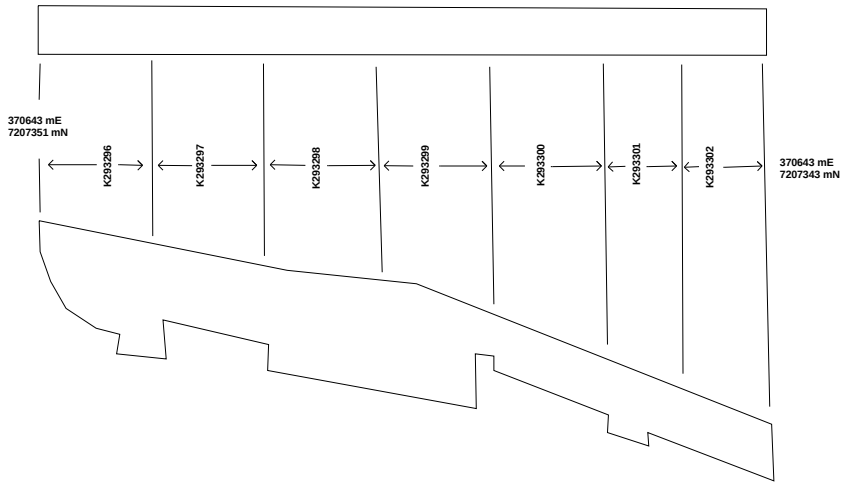
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metres

FILE: .2017/MICHELLE

DATE: JANUARY 2018

180° South



SILVER RANGE RESOURCES LTD.

FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TRENCH TR-17-12

MICHELLE PROPERTY

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metres

FILE: .2017/MICHELLE

DATE: JANUARY 2018

crest and continues down both sides of the ridge in relatively linear talus trains. The mineralization appears to be fault and/or fracture related. Samples of massive limonite or limonite- and smithsonite-healed breccia with dolomite clasts were collected. Of these samples, one is classified as leached iron cap while the others represent in situ oxidation mineralization. The leached iron cap sample yielded 1.04% zinc. A chip sample of in situ oxidation from a 75 x 50 x 20 cm limonite block returned 2.77% zinc, 25.98% lead, 300 g/t silver and 440 ppm gallium. Other in situ oxidation specimens averaged 22.17% zinc, 3.70% lead and 58 g/t silver, with rare moderate to strong gallium values up to 220 ppm (Eaton, 2009).

In 2015, hand trenching along the ridge exposed 11 m of limonitic, medium grey, brecciated dolostone with sparse encrusting smithsonite and dendritic manganese on fracture surfaces. Chip samples collected from trench TR-15-C yielded a weighted average of 4.69% zinc, 0.97% lead and 13.08 g/t silver over 9 m (Morton, 2016).

The **Terrier Showing**, (previously Nanny West), lies 1000 m west of the Nanny Showing. It comprises a cluster of samples that yielded anomalous values for zinc (up to 27.2%), lead (up to 30.3%), silver (up to 1300 g/t), nickel (up to 230 ppm) and molybdenum (up to 1950 ppm). The samples were taken within and near a northeast-trending gully. In 2010, four diamond drill holes were designed to test beneath the gully. Results from this work are discussed in the Diamond Drilling section below.

In 2015, a composite sample collected 150 m east of the gully, from another discrete northeast-trending recessive topographic linear, returned 41.81% zinc and 69.30 g/t silver (Morton, 2016). This area has received no follow-up work.

The **Civic Showing** is located on a steep north-facing talus slope, 2250 m northwest of the Peak Zone. This showing comprises variably abundant, mineralized float that is scattered over an area approximately 140 x 50 m and in-situ stratabound mineralization hosted in Bouvette Formation dolostone. Mineralization in float mostly consists of rusty-purple blocks of massive boxwork limonite up to 50 x 35 x 15 cm, while in-situ mineralization comprises disseminated coarse grained sphalerite and oxide in metre-scale (karsted) cavities. Rock samples collected from this showing are categorized as leached iron cap and in situ oxidation. The leached iron cap samples averaged 2.36% zinc, while the in situ oxidation samples averaged 15.34% zinc and 0.73% lead (Eaton, 2008). This showing hosts the highest nickel value (4050 ppm) on the property. Two strongly anomalous molybdenum values were reported from sampling along the ridge upslope from the main Civic Showing. These samples returned 720 ppm and 1450 ppm molybdenum, respectively.

In 2015, a composite sample from oxide material hosted in a karsted dolomite outcrop returned 12.45% zinc (Morton, 2016).

The **Boxer Showing** is located 400 m south of the Nanny Showing and is exposed in talus over a strike length of 70 m along a north-trending ridge. Mineralization occurs primarily as interstitial galena, smithsonite and rare sphalerite in complex carbonate breccias, as well as a few cobbles of supergene enriched oxide material. Four specimen samples collected along the ridge crest, comprising carbonate breccias with matrix-hosted mineralization, returned an average grade of

4.84% zinc, 2.14% lead and 15.33 g/t silver. A sample of punky limonite, with fine grained galena in fractures and envelopes of anglesite, assayed 37.79% zinc, 16.45% lead and 149 g/t silver (Morton, 2016).

The **Pitbull Showing** lies 390 m east of the Boxer Showing along a steep east-flowing drainage. It comprises a 30 by 30 m area of mineralized talus that is sourcing from cliffs uphill. A composite sample of banded crystalline limestone with fine grained galena in cavities, narrow bands and clots, yielded 10.10% zinc, 15.55% lead and 186 g/t silver (Morton, 2016).

The **Michelle West Showing** is situated on a ridge crest and adjacent south-facing slope, 3000 m to the west of the Peak Zone. Mineralization occurs in a two metre wide talus train and comprises smithsonite- and limonite-healed dolomite breccia and massive limonite blocks up to 50 x 30 x 25 cm. Both types of mineralization are classified as leached iron cap. A sample of limonite yielded 2.51% zinc (Eaton, 2008). Interestingly, a number of samples with strongly anomalous nickel values (up to 1390 ppm) were collected in the vicinity of a series of closely spaced linears.

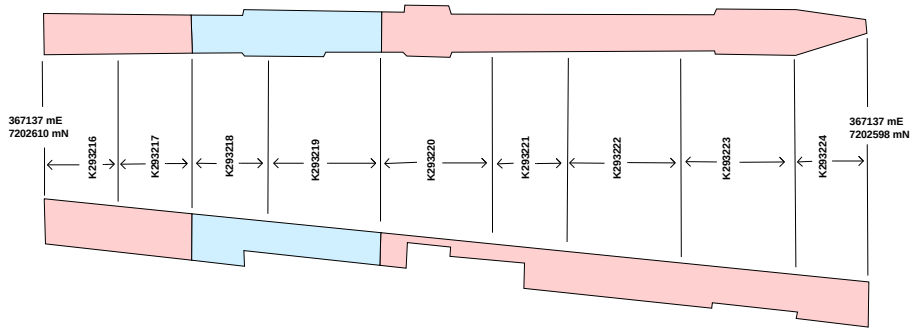
The **Polar Showing** straddles a northwest-trending ridge, 2500 m southwest of the Peak Zone. It includes a series of high-angle faults and associated gossans that cut perpendicular across the ridge to form a complex with an aggregate width of 250 m. Mineralization comprises cavity-, fracture- and breccia-filling smithsonite in dolomite with lesser limonite fragments. Samples of leached iron cap averaged 2.69%, and one sample returned 280 ppm gallium. Samples of in situ oxidation averaged 10.36% zinc (Eaton, 2008). A number of unexplored gossans lie south of the Polar Showing. These gossans coincide with strong northeast-trending linears.

In 2015, hand trenching along the ridge top exposed weakly mineralized, limonitic crackle breccia and calcite-flooded dolostone. A continuous chip sample from trench TR-15-D returned 5.86% zinc over 2 m (Figure 15). A second ridge-top trench (TR-15-E), located 50 m to the west of the first trench, exposed a brittle, high-angle fault cutting weakly mineralized oxide and calcite-flooded dolostone. Chip sampling in this trench yielded 1.59% zinc over 3 m (Morton, 2016).

The **Us Showing** is located about 600 m southeast of the Polar Showing. It comprises an 80 m wide by 750 m long, sporadically mineralized area that exhibits the same characteristics as the Polar Showing, except that the Us Showing yielded some strongly anomalous nickel values (up to 590 ppm). Samples of leached iron cap were collected and averaged 3.04% zinc, while an in situ oxidation specimen returned 15.15% zinc (Eaton, 2008). A small, unexplored gossan lies southeast of this showing.

The **Scorpion Showing** is located along a ridge about 2400 m south of the Polar Showing. It covers a 250 by 400 m area of limonite talus with rare cores of residual galena. The best sample from this zone graded 29.2% zinc, 20.4% lead, 145 g/t silver and 21 ppm gallium (Mann, 2010). Small boulders containing crystalline barite were discovered on the northwestern side of the Scorpion Showing. An area of mineralized float, located 450 m southeast of the showing returned 1.56% zinc, 16% lead and 62 g/t silver; however, it is unclear if these showings are related.

180° South



Dark brown dirt with heavily fractured grey dolostone "bedrock" with calcite inclusions. No visible mineralization. Minor limonite coatings.

Orange to brown-orange dirt with unmineralized grey dolostone host rock and dark brown-orange to black goethite clasts and fragments up to 15 cm. Heavily oxidized goethite fragments contain minor limonite coatings and small galena

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FIGURE 15

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TRENCH TR-17-05

MICHELLE PROPERTY

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metres

FILE: .2017/MICHELLE

DATE: JANUARY 2018

In 2017, a hand trenching along the ridge-top exposed 11 m of oxidized, galena-bearing rubble (TR-17-05). A continuous chip sample along the floor of the trench returned a weighted average of 3.51% zinc, 8.79% lead and 34.53 g/t silver over 11 m (Figure 15). A second trench (TR-17-06), dug 30 m downhill and along the same float train, yielded an average grade of 1.86% zinc, 0.57% lead and 2.35 g/t silver over 7.5 m (Figure 16).

The **Prairie Dog Showing** is located along the crest of a ridge, 3000 m west of the Scorpion Showing. Mineralization, which was observed on both sides of the ridge, consists of limonite blocks on the south side and cavity-, fracture- and breccia-filling smithsonite to the north. Smithsonite occurs in dolomite talus and outcrop. A composite sample of limonite, which is classified as leached iron cap, returned 2.18% zinc, 0.52% lead and 240 ppm gallium. In situ oxidation samples averaged 10.27% zinc, while a sample, classified as supergene enrichment, yielded 32.54% zinc (Eaton, 2008).

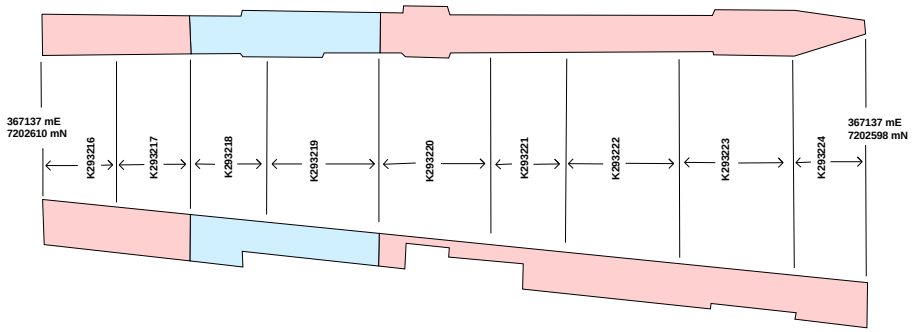
A number of northeast-trending linears cut the ridge between the Prairie Dog and Scorpion showings. Historically, rock samples collected along the ridge have been strongly enriched in nickel, yielding up to 2410 ppm (Mann, 2009). In 2017, 31 samples were collected within a 4 km by 1.2 km area, covering the area between the showings. From these samples, 18 returned greater than 1% zinc, with a peak value of 46.43% zinc.

The **OT Showing** is located in a gully at the top of a narrow valley, approximately 6250 m west-northwest of the Peak Zone, in the northwest corner of the property. Mineralization is found within this showing over a 250 by 70 m area, mostly on the west side of the gully. Mineralization consists of massive and cavity- and fracture-filling limonite and smithsonite, which were observed in talus and subcrop. Leached iron cap specimens averaged 2.94% zinc and 57 ppm gallium; weak in situ oxidation returned 1.12% zinc; and, strong in situ oxidation sample yielded 1.60% zinc, 5.19% lead, 29 g/t silver and 50 ppm gallium (Eaton, 2008). The highest nickel value within this showing was 2160 ppm, while the highest molybdenum was 920 ppm. The samples with the highest values for zinc, lead, silver, gallium, nickel and molybdenum all lie within northeast-trending linears.

The **Heeler Showing** lies 2.3 km southwest of the Prairie Dog Showing and covers in situ oxidized zinc-lead mineralization associated with a northeast-trending fault. The fault has been traced over a strike length of 1.4 km and may extend further to the Prairie Dog Showing. Mineralization consists of encrusting smithsonite, disseminated fine to medium grained sphalerite and residual clots of coarse grained galena hosted in dark brown oxide. Samples have yielded up to 1.27% zinc, 10.15% lead and 368 g/t silver (Morton, 2016).

The **Silver Matt Showing** lies about 9000 m west of the Scorpion Showing. It is one of three showings on the property known to host predominantly sulphide minerals. This showing is marked by a 30 by 50 m area of mineralized subcrop and outcrop (Mann, 2010). Mineralized samples primarily comprise brown to black weathering botryoidal, boxworked and brecciated semi-massive sulphides including galena, sphalerite and rare chalcopyrite. Secondary minerals include anglesite, cerussite and limonite. Results from this showing range from 0.6 to 47.5% zinc, 0.8 to 82.8% lead and 38.3 to 4180 g/t silver. Other zinc-enriched samples were collected west of the main showing in 2014.

180° South



Dark brown dirt with heavily fractured grey dolostone "bedrock" with calcite inclusions. No visible mineralization . Minor limonite coatings.

Orange to brown-orange dirt with unmineralized grey dolostone host rock and dark brown-orange to black goethite clasts and fragments up to 15 cm. Heavily oxidized goethite fragments contain minor limonite coatings and small galena blebs.

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FIGURE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TRENCH TR-17-06

MICHELLE PROPERTY

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metres

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DATE: JANUARY 2018

In 2015, a hand trench located 110 m uphill from the mineralized subcrop exposed a horizon of in-situ massive galena within Bouvette Formation dolostone. Workers noted the presence of coralliferous dolostone around the trench, suggesting that the trench is located in an unmapped package of CDB1. Chip sampling of the mineralized horizon in trench TR-15-F yielded a weighted average of 8.09% zinc, 46.92% lead and 894 g/t silver over an estimated true thickness of 1 m (Morton, 2016).

DIAMOND DRILLING

To date, three diamond drill programs have been completed on the Michelle property. In 2007, a total of 853.12 m of drilling in seven holes was done at the Gully Zone. In 2008, twenty-five drill holes totalling 3113.27 m were completed at the Peak and Gully zones. In 2010, ten drill holes totalling 1034 m were done near the Blender and Nanny West showings and east of the Peak Zone. Location and orientation information for all drill holes are summarized below in Table IV. Highlights from all drill programs are listed in Table V. Full reports from the drill programs can be found in Eaton (2008), Eaton (2009) and Liverton et al. (2010).

Table IV – Drill Hole Data

Hole	Zone	Easting(m)	Northing(m)	Elevation(m)	Azimuth	Dip Angle	Length(m)
MCH-07-01	Gully	372817	7208214	1499	270°	45°	99.67
MCH-07-02	Gully	372817	7208214	1499	270°	60°	142.34
MCH-07-03	Gully	372817	7208214	1499	310°	45°	96.62
MCH-07-04	Gully	372744	7208451	1417	000°	60°	130.15
MCH-07-05	Gully	372744	7208451	1417	000°	90°	139.29
MCH-07-06	Gully	372744	7208451	1417	090°	45°	102.72
MCH-07-07	Gully	372744	7208451	1417	090°	70°	142.34
MCH-08-08*	Peak	368384	7207317	1686	178°	50°	93.57
MCH-08-09*	Peak	368380	7207382	1656	178°	45°	41.76
MCH-08-10	Peak	368380	7207382	1656	178°	45°	288.65
MCH-08-11	Peak	368278	7207208	1731	002°	45°	145.39
MCH-08-12	Peak	368278	7207208	1731	002°	67°	128.93
MCH-08-13	Peak	368281	7207288	1721	178°	60°	53.95
MCH-08-14	Peak	368294	7207368	1692	178°	45°	124.06
MCH-08-15	Peak	368199	7207481	1677	178°	45°	245.98
MCH-08-16	Gully	372693	7208351	1440	100°	45°	167.03
MCH-08-	Peak	368189	7207330	1695	178°	45°	17.37
MCH-08-17b	Peak	368189	7207330	1695	178°	50°	127.10
MCH-08-18	Gully	372678	7208229	1458	090°	45°	90.53
MCH-08-19	Gully	372682	7208154	1432	100°	45°	89.00
MCH-08-20	Gully	372749	7208451	1417	135°	45°	86.87
MCH-08-21	Peak	368189	7207330	1695	178°	72°	130.15
MCH-08-22	Peak	368600	7207133	1664	288°	45°	148.44
MCH-08-23	Gully	372749	7208451	1417	045°	45°	138.69
MCH-08-24	Peak	368600	7207133	1664	288°	58°	197.21
MCH-08-25	Gully	372744	7208512	1375	090°	45°	57.00

MCH-08-26	Gully	372836	7208594	1356	270°	45°	69.19
MCH-08-27	Gully	372836	7208594	1356	000°	45°	78.33
MCH-08-28	Gully	372836	7208594	1356	000°	90°	53.95
MCH-08-29	Gully	372939	7208584	1378	270°	60°	131.37
MCH-08-30	Gully	372749	7208451	1417	270°	70°	185.02
MCH-08-31	Peak	368384	7207317	1686	178°	45°	133.20
MCH-08-32	Peak	368281	7207288	1721	133°	45°	90.53
MCH-10-01	Blender	369200	7207112	1350	270°	45°	126.49
MCH-10-02	Blender	369200	7207112	1350	90°	55°	126.49
MCH-10-03	Terrier	365193	7207397	1646	86°	45°	76.20
MCH-10-04	Terrier	365193	7207397	1646	86°	80°	57.00
MCH-10-05	Terrier	365100	7207365	1603	334°	45°	161.54
MCH-10-06	Terrier	365100	7207365	1603	334°	75°	97.54
MCH-10-07	Blender	369200	7207112	1350	002°	45°	91.44
MCH-10-08	Blender	369200	7207112	1350	002°	75°	51.82
MCH-10-09	Blender	369220	7207320	1351	170°	49°	92.96
MCH-10-10	Peak	368585	7207414	1556	155°	45°	152.40

* Hole lost and redrilled. Core was not logged in detail.

Table V – Highlights from Diamond Drilling

Hole Number	Zone	From (m)	To (m)	Length (m)	Zn (%)	Pb (%)	Ag (g/t)	Ga (ppm)	Pb + Zn (%)
MCH-07-04	Gully	70.35	95.75	25.40	1.64	0.03	0.3	<10	1.67
including		93.57	95.75	2.18	10.15	0.23	0.9	<10	10.38
MCH-07-05	Gully	64.23	65.27	1.04	1.54	0.01	0.9	<10	1.55
		67.13	68.85	1.72	2.20	0.01	0.3	<10	2.21
MCH-07-06	Gully	35.66	53.95	18.29	16.75	8.86	310.0	132	25.61
including		45.22	53.16	7.94	22.71	17.38	511.0	253	40.09
MCH-07-07	Gully	47.85	57.00	9.15	12.62	0.10	2.1	<10	12.72
including		49.10	53.30	4.20	23.98	0.18	2.6	<10	24.16
MCH-08-16	Gully	42.60	43.85	1.25	1.04	0.06	1	<50	1.10
		44.78	45.80	1.02	1.57	0.07	1	<50	1.64
MCH-08-20	Gully	26.78	36.18	9.40 †	5.36	16.36	152	870	21.72
		36.18	39.00	2.82 †	1.94	0.06	1	<50	2.00
		40.75	42.19	1.44 †	1.04	0.01	1	<50	1.05
		53.67	60.38	6.71 †	15.04	0.07	4	<50	15.11
including		54.77	58.23	3.46 †	27.73	0.13	6	<50	27.86
MCH-08-23	Gully	54.57	56.34	1.77 †	1.92	0.11	1	<50	2.03
		74.13	75.52	1.39 †	1.27	0.00	1	<50	1.27
		78.13	107.29	29.16 †	1.56	0.02	2	<50	1.58
including		79.62	80.72	1.10 †	4.49	0.97	4	<50	5.46
MCH-08-26	Gully	17.91	24.37	6.46 †	1.03	0.02	1	<50	1.05
MCH-08-27	Gully	26.39	28.83	2.44 †	1.62	0.04	1	<50	1.66
MCH-08-28	Gully	8.33	10.17	1.84 †	1.92	0.01	1	<50	1.93
		12.37	14.26	1.89 †	1.17	0.00	1	<50	1.17

		19.87	21.35	1.48 †	2.05	0.08	3	<50	2.13
MCH-08-30	Gully	76.27	77.28	1.01 †	1.18	0.01	1	<50	1.19
		95.54	99.34	3.80 †	1.07	0.06	1	<50	1.13
MCH-08-11	Peak	60.05	71.74	11.69 †	3.69	0.50	60	78	4.19
		82.08	95.39	13.30 †	3.31	0.39	24	125	3.70
including		85.32	90.67	5.34 †	4.79	0.46	24	131	5.25
		103.17	113.32	10.15 †	3.55	0.08	10	<50	3.63
		117.96	120.16	2.20 †	1.28	0.00	1	<50	1.28
		124.60	126.46	1.86 †	1.40	0.01	1	<50	1.41
MCH-08-13	Peak	26.95	29.92	2.97	1.59	7.16	451	60	8.75
		38.82	42.15	3.33	1.46	0.30	57	<50	1.76
MCH-08-14	Peak	47.44	49.10	1.66	1.80	0.04	4	<50	1.84
		102.05	103.05	1.00	1.78	0.02	3	<50	1.80
MCH-08-17	Peak	18.92	20.42	1.50	2.04	3.13	76	50	5.17
		60.10	68.86	8.76	2.77	0.21	12	100	2.98
MCH-08-21	Peak	9.80	17.32	7.52	1.25	6.85	52	<50	8.10
including		14.40	17.32	2.92	0.34	17.58	133	<50	17.92
		65.69	68.59	2.90	1.90	0.80	113	65	2.70
MCH-10-09	Blender	79.46	80.53	1.07	0.49	0.42	3.54	10	0.91

* True widths are often cannot be reliably calculated; intercepts marked by † are believed to be less than 90% of the apparent width.

The best results from the Gully Zone were from drill holes directed toward the west-dipping Gully Fault. Holes designed to test the geological contact between Bouvette Formation and Gillespie Lake Group intersected stratabound mineralization that was hosted within fossiliferous CDB1 dolostone. The lead-rich sections of holes MCH-07-05 and 07 and MCH-08-20 contained partially oxidized galena, but zinc in these intervals was normally in the form of smithsonite boxwork. This type of in-site oxidation was often flanked zinc-rich intervals comprised of sugary, light brown carbonate, which is thought to represent supergene replacement of dolomitic wallrocks.

Most of the mineralization in the holes at the Peak Zone occurred in narrow galena-rich veins that are flanked by zinc-enriched wallrocks. Some of the holes cut obliquely across the veins, resulting in exaggerated widths.

Drilling in 2010 returned only one narrow and weakly mineralized interval from the Blender Showing; however, the drill core was selectively assayed based on visual estimates of grade, which likely underestimated the extent of secondary oxide and carbonate mineralization. In addition, all of the drill holes at the Terrier Showing were positioned far to the west of the mineralized structure, and it is likely that they failed to intersect their intended targets. The target of the 2010 holes drilled at the Blender Showing is uncertain because there are no strong structures in the area, and mineralization observed in talus could have been transported a considerable distance from its source.

DEPOSIT MODELS

Most of the mineralization discovered to date at the Michelle property occurs in limonite boxwork found in talus. The boxwork fragments range from less than a centimetre to more than a metre in diameter. Sphalerite and pyrite are rare, but residual galena has been reported at a number of showings. Abundant mixed sulphides have only been observed near-source talus and/or hand trenches at the Dynasty, Silver Matt and Husky showings. None of these showing has been drilled.

Based on geochemical signatures, the showings and zones at the Michelle property mostly can be categorized into two model types: (i) non-sulphide zinc-dominated mineralization, which likely resulted from deep weathering of pre-existing Mississippi Valley-Type (MVT) sulphide deposits; and, (ii) nickel-molybdenum-zinc mineralization, which may have precipitated in feeder pipes to stratiform Nick-style horizons that occur regionally near the contract between the Road River and Earn groups. The following descriptions of MVT and non-sulphide zinc deposits are largely based on Paradis et al. (2007) and Hitzman et al. (2003), respectively. The description of Nick-style mineralization is based on Hulbert et al. (1992), Lefebure (1994) and Butterworth and Caufield (1998).

Mississippi Valley-Type Deposits

MVT deposits are defined as epigenetic, carbonate-hosted, predominantly zinc-lead sulphide bodies that form from the upwelling of warm, saline, metalliferous hydrothermal fluids. They dominantly occur in dolostone as open-space fillings, collapse breccias and/or replacement of reactive carbonate rocks. Individual ore bodies are typically less than two million tonnes; however, they commonly occur in clusters as seen at the Michelle property. The dimensions of ore bodies are often difficult to establish due to their highly irregular shapes.

Traditionally, MVT deposits were considered to be stratabound ore bodies that formed from low temperature (75 to 200°C) hydrothermal ore fluids, but in recent years this definition has been broadened to incorporate a greater variety of carbonate-hosted zinc-lead deposits. Three sub-types that are now included within this broader classification are: 1) structurally and stratigraphically controlled zinc-lead deposits, 2) high-temperature carbonate replacement zinc-lead±iron±silver deposits, and 3) Irish-type zinc-lead deposits.

Worldwide in 2007, there were 80 MVT deposits/districts with grade and tonnage figures, 16 of which are in Canada. Canadian deposits typically contain 1 to 10 Mt of 4 to 10% combined zinc and lead, though some are bigger and richer (eg. Pine Point, Polaris and Prairie Creek). Many of the Canadian MVT deposits are located in the Mackenzie Mountains of Yukon and Northwest Territories, where hundreds of small deposits and a few larger ones occur in Proterozoic to Devonian dolostone and limestone, near the boundary between Selwyn Basin and Mackenzie Platform. Examples of the larger deposits in this region include: Gayna River, Blende, Bear-Twit, Goz Creek and Prairie Creek. The exact age of these deposits is unknown; however, they likely formed during a contractional tectonic event, either the Devonian-Mississippian Antler Orogeny or the Cretaceous-Tertiary Laramide Orogeny. Lead isotope studies give radiogenic

results, which make ages of formation difficult to establish, but they point toward the Antler Orogeny (Godwin et al., 1988).

Non-Sulphide Zinc Deposits

Historically, non-sulphide zinc deposits have been significant producers of zinc, particularly in Europe. The most notable example is the La Calamine ore body in Belgium, which yielded more than 600,000 tons of zinc metal and was continuously exploited for several centuries (Boni et al., 2007). Due to the recent development of hydrometallurgical techniques (specifically electrowinning and solvent extraction), non-sulphide zinc deposits have re-emerged as attractive mining targets.

There are two types of non-sulphide zinc deposits: supergene and hypogene. Supergene deposits are the more common of the two and are widely distributed. Hypogene deposits are poorly known due to their scarcity.

Supergene non-sulphide zinc deposits are formed by the oxidation of pre-existing sulphide zinc deposits. The majority have a MVT origin. The formation of these deposits is dependent on several factors, namely: 1) size and mineralogy of the pre-existing zinc occurrence; 2) vertical displacement of the water table; 3) rate of water table descent through tectonic uplift and/or arid climatic conditions; 4) wallrock fracture density, and 5) presence of a suitable neutralizing trap site. Supergene non-sulphide zinc deposits are sub-divided into three categories:

I. **Direct-replacement deposits** are formed when metals liberated by oxidation of sulphide minerals are trapped within the space that was occupied by the protore (original ore body). The mineralogy and consequent metallurgy are quite complex with a wide variety of minerals similar to those generally occurring in gossans.

II. **Wallrock-replacement deposits** result when metals liberated by the oxidation of sulphide ore are not trapped locally and are transported down ground water flow gradient from the protore. The transported metals may be located in proximity to the original ore body or several hundreds of metres away (Simandl and Paradis, 2008). The main ore mineral is cryptocrystalline smithsonite. The simpler mineralogy makes this type of deposit a much more attractive economic target.

III. **Residual and karst-fill deposits** result from the accumulation of secondary zinc minerals in a network of karst cavities. These deposits are commonly high grade and small tonnage.

Many supergene non-sulphide zinc deposits include components of more than one of the three sub-types listed above. These deposits commonly contain two types of ore: red zinc ore and white zinc ore. The type of ore depends on the nature of the protore and the specific oxidation processes involved in formation of the deposit. Red zinc ore is typically rich in zinc (> 20%), iron (> 7%) and lead, while white zinc ore contains up to 40% zinc with low iron (< 7%) and lead contents. Red zinc ores comprise iron-oxyhydroxides, goethite, hematite, hemimorphite, cerussite and smithsonite and/or hydrozincite. White zinc ores consists of smithsonite and hydrozincite with minor iron-oxyhydroxides (Reichert and Borg, 2008).

Hypogene non-sulphide zinc deposits contain accumulations of minerals that do not seem to be directly derived from sulphide bodies. They appear to have formed from the mixing of a reduced, low- to moderate-temperature (80°-200°C), zinc-rich, sulphur-poor fluid with an oxidized, sulphur-poor fluid. Two major sub-types of hypogene non-sulphide zinc deposits have been recognized:

I. **Structurally controlled deposits** contain willemite and variable amounts of sphalerite. They are hematitic and generally associated with hydrothermal dolomitization.

II. **Stratiform, manganese-rich deposits** appear to be end members of a spectrum of deposits that include base metal-poor stratiform manganese deposits and sulphide-dominant Broken Hill-type deposits.

Non-sulphide zinc mineralization at the Michelle property is of the supergene variety and was likely formed by a combination of direct- and wallrock-replacement.

Supergene non-sulphide zinc deposits typically consist of three parts: a leached iron cap, a zone of in situ oxidized zinc and lead mineralization and an adjacent zone of supergene enriched zinc mineralization. The leached iron cap is characterized by oxidized iron (limonite) and near absence of zinc minerals. It is uppermost in the deposit and is underlain by the zone of in situ oxidation, which comprises oxidized zinc minerals (smithsonite, hemimorphite and/or hydrozincite) with oxidized lead minerals (cerussite and/or anglesite) often encapsulating residual lead sulphide (galena). The supergene enrichment zone(s) occur on the periphery of the oxidized zone, where secondary zinc minerals are precipitated through buffering reactions between circulating metal-bearing groundwater and the carbonate wallrocks.

As previously stated, climate is important in the formation of supergene non-sulphide zinc deposits because it partially controls oxidation and metal transport. The most favourable conditions for oxidation are found in arid climates. Arid conditions maximize the quantity of metals available for transport by supergene solutions by minimizing biogenic activity within the soil, thereby maximizing the oxygen available for sulphide oxidation (Simandl and Paradis, 2008). Dry climates are also associated with low water tables, which prevent premature dilution, dispersion and removal of metals from supergene solutions by contact with barren groundwater (Reichert and Borg, 2008). Suitable conditions for deep oxidation of a pre-existing MVT deposit are currently found in the southern United States and northern Mexico, between latitudes 20 and 40˚. Four major deserts (Mojave, Great Basin, Sonoran and Chihuahuan) are located within these latitudes. Based on paleogeographic maps presented by Nelson and Colpron (2007), Yukon would have lain within these latitudes between Late Paleozoic and Early to Mid-Triassic, during which time the Michelle non-sulphide zinc deposit may have formed. If these constraints on the occurrence of deep weathering are correct, then it is probable that the pre-existing Michelle MVT deposit formed during the Devonian-Mississippian Antler Orogeny, not the Cretaceous-Tertiary Laramide Orogeny. The cool, semi-arid conditions present in the Michelle region today may contribute to the preservation of the deposit by limiting the availability of groundwater and by maintaining a deep water table, both of which protect the non-sulphide ore from further dissolution (Reichert and Borg, 2008).

Another important climatic factor that may affect the formation and preservation of supergene non-sulphide zinc deposits is the presence of glaciers. Regions that are not affected by glaciation generally have a higher potential to preserve relatively soft non-sulphide deposits (Simandl and Paradis, 2008). Although the Michelle property lies within an area that was partially glaciated, it has two main attributes working in its favour. The first is that, because the property was at the very edge of regional glaciation, the ice cover was probably quite thin and locally absent. Hence, most of the deposits have not been deeply eroded. The second, and arguably more significant attribute, is the favourable orientation of the Michelle ore bodies. As stated by Simandl and Paradis (2008), the preservation of non-sulphide deposits through glaciation depends more on the orientation and shape of the ore bodies than on the intensity of glacial scouring. Steeply dipping, rod-shaped deposits with their smallest dimension exposed at surface are far more likely to survive glacial scouring than flat-lying deposits with their largest dimension parallel to the erosion surface. In some instances (such as at the Michelle property) weak glaciation can benefit exploration by causing small-scale dispersion of non-sulphide ore fragments from steeply dipping ore bodies (Simandl and Paradis, 2008), which otherwise may have remained hidden under a mantle of unmineralized carbonate talus.

Mineralization at the Michelle property is atypical of MVT and non-sulphide zinc deposits because it contains many high silver, gallium, bismuth, nickel and molybdenum values. Limited data also indicates local enrichment of germanium, indium, copper and vanadium. The silver to lead ratios are highly variable but are often uncommonly high. These characteristics of the Michelle mineralization (particularly the elevated silver, gallium and bismuth) suggest a relatively high temperature of formation. The nearest pluton lies 50 km southwest of the property and belongs to the Mid-Cretaceous Tombstone Suite. If the timing of formation for the Michelle mineralization is correct, then the emplacement of these plutons would post-date formation of the deposit, leaving a heat source unexplained.

Nick-Style Mineralization

Cursory work on the Michelle property has identified clusters of strongly anomalous nickel-zinc±molybdenum±vanadium values, which lie along air photo linears. Although some of these clusters overlap with areas of zinc±lead±silver mineralization, others are distinct. The nickel-molybdenum enriched linears may represent feeder structures to eroded Nick-style mineralization. The Civic, OT and Peak showings all contain coincident strongly anomalous values for vanadium, nickel, molybdenum and moderately to strongly anomalous values for zinc.

Stratiform Nick-style mineralization is found within continental platform sedimentary sequences and successor basins. Black shale is the most common host, but associated limestone, dolomitic limestone, calcareous shale, and siliceous dolomite are also known to contain Nick-style horizons. Mineralization typically forms as thin beds (0 to 15 cm thick, locally up to 30 cm thick) covering broad lateral areas – sometimes over tens of kilometres across (Lefebure, 1994). In Yukon, most known Nick-style horizons are near the contact between the Road River and Earn groups. On the Michelle property, the Earn and Road River groups have been eroded from the stratigraphic section; but the feeder structures would remain in the underlying Bouvette Formation carbonate rocks. The closest known showing of Nick-style mineralization is at the Rein occurrence (Minfile 116 B 239), which is located 38 km southwest of the property.

The nickel-bearing mineralization may also be related to karst settings where the upwelling fluids occupy cavities within the carbonate rocks and create carbonate breccias containing nickel oxides with bitumen gangue (Carne and Dean, 1974).

DISCUSSION AND CONCLUSIONS

The Michelle property lies within the Mackenzie Platform, a tectonic element that hosts a number of zinc±lead±silver MVT deposits. Some of the deposits such as Gayna and Goz are mainly comprised of zinc, but others such as Prairie Creek and Blende contain substantial quantities of lead and silver as well. Most of these deposits are located in glaciated terranes; and, while some exhibit intense near-surface oxidation, none contains as much non-sulphide zinc as Michelle.

Reconnaissance-scale exploration on the Michelle property has identified a large mineralized system that hosts at least 23 non-sulphide and sulphide zinc occurrences. Drilling at the Gully and Peak zones have demonstrated grade continuity to depth. Historical programs assumed that oxide mineralization would be underlain by conventional, sulphide-rich ore. An alternative model is that leached protore from higher stratigraphic levels has remobilized down structures and along impermeable lithological horizons.

The 2017 work program significantly expanded the property-scale geological map and identified a new showing named Gataga. Hand trenching at the Scorpion Showing successfully located the source of mineralized float that was identified in 2009. Prospecting within a 4 km by 1.2 km area, covering the Scorpion and Prairie Dog showings, outlined a region of widespread, high grade zinc mineralization in float and talus.

Only cursory work has been performed at most of the mineralized showings on the property, and the controls on mineralization are still unclear; additional trenching and drilling will be required to identify key structural and stratigraphic features controlling the distribution of sulphide and non-sulphide mineralization within each showing and zone. Property-scale geological mapping demonstrates that showings on the property occur at different stratigraphic levels, which may be an important control on mineralization. In addition, feeder zones for Nick-style mineralization may occur within the Paleozoic carbonates, down-section from the now eroded contact between the Earn and Road River groups or within carbonate-hosted karst settings where nickel-rich breccia mineralization may occur. Additional work is required to better assess the character and extent of all styles of mineralization and to explore for new showings.

Further work on the Michelle property is strongly recommended, due to the size and grade of the known occurrences and the ongoing discovery success. Future work on the property should consist of: 1) continued geological mapping and reconnaissance prospecting; 2) systematic hand trenching and chip sampling directed toward occurrences that have received only cursory work; and 3) diamond drilling wherever high grade zones are exposed in trenches.

Respectfully submitted,

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Jack Morton, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from Simon Fraser University in 2013 with a B.Sc. in Earth Science.

2. From 2007 to present, I have been actively engaged in mineral exploration in Yukon Territory, British Columbia, and Northwest Territories.

3. I am a Professional Geologist (P.Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (License Number 45807).

4. I supervised the field program and have interpreted all data resulting from this work.



J. Morton, B.Sc., P.Geo.

APPENDIX II

STATEMENT OF EXPENDITURES

Statement of Expenditures
Michelle Property Mayo District 406 Mineral Claims
January 18, 2018

Labour	
D. Eaton – geologist – 3 hours April to November at $120/hr	$ 378.00
A. Carne – EIT – 2 hours April to November at $92/hr	193.20
J. Morton - geologist 186 hours April to November at $85/hr	16,600.50
K. Wilms – geologist - 16 hours April to November at $62/hr	1,041.60
M. Kulla – GIT - 264 hours April to February at 55/hr	15,246.00
R. Ledoux – field assistant – 256 hours April to November at $51/hr	13,708.80
T. Ledoux – field assistant – 256 hours April to November at $51/hr	13,708.80
J. Itkin – office – 17.25 hours April to November at $96/hr	1,738.80
J. Mariacher - office – 17 hours April to November at $90/hr	1,606.50
W. Schneider – expedite – 3 hours April to November at $96/hr	302.40
C. Beck – expedite and office – 25 hours April to November at $81/hr	2,126.25
L. Corbett – expedite – 36 hours April to November at $81/hr	3,061.80
L. Smith – expedite and office – 23 hours April to November at $81/hr	1,956.15
S. Newman – office – 19 hours April to November at $68/hr	1,646.40
V. Cournoyer-Derome – expedite- 4 hours April to November at $51/hr	214.20
	73,529.40

Expenses (including management)	
Field room and board 112 days at $195/day	24,679.20
Fireweed Helicopters 16 hours Bell 206 at $1,050/hr plus fuel	22,800.91
ALS Chemex	4,297.56
Truck rental and fuel	4,887.66
	56,665.33
Total	$130,194.73

162 samples = $803.67/sample

APPENDIX III

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions Property: Michelle

Sample Number:	K293151	UTM:	364748	mE	Nad83, Zone 8
Elevation:	5201 m	UTM:	7203555	mN	
Comments:	Grey dolostone with tan/brown vuggy black/grey coating with small shiny black blobs/bubbles. From ridgeline in a brown gossanous area 15mx10m. <1%				

Sample Number:	K293152	UTM:	364748	mE	Nad83, Zone 8
Elevation:	5206 m	UTM:	7203553	mN	
Comments:	Tan to brown limonitic from 15 x 10m area on ridgeline. <1%				

Sample Number:	K293153	UTM:	364577	mE	Nad83, Zone 8
Elevation:	5674 m	UTM:	7203123	mN	
Comments:	Dark brown/orange vuggy/sponge-like limonitic with small galena blebs. From south facing slope in a small linear surrounded by grey Bouvette dolostone				

Sample Number:	K293154	UTM:	364722	mE	Nad83, Zone 8
Elevation:	4977 m	UTM:	7202669	mN	
Comments:	Tan to orange vuggy/vesicular from dolostone (Bouvette) float train approximately 5 x 30m on south facing slope. <1%				

Sample Number:	K293155	UTM:	365266	mE	Nad83, Zone 8
Elevation:	5276 m	UTM:	7202944	mN	
Comments:	Collected from bottom of jutting dolostone (Bouvette) outcrop with small galena blebs and possible sphalerite. <1%				

Sample Number:	K293156	UTM:	365043	mE	Nad83, Zone 8
Elevation:	5419 m	UTM:	7202901	mN	
Comments:	Dark brown "nuggets" heavily oxidized scattered on surface above a large drainage. <2% of 4 x 4m area				

Rock Sample Descriptions Property: Michelle

Sample Number:	K293157	UTM:	364173	mE	Nad83, Zone 8
Elevation:	4816 m	UTM:	7204027	mN	
Comments:	Massive quartz boulder with brown-red oxidation on exterior and oxide blebs/coatings inside drusy quartz. Dark green inclusions inside mixed with massive quartz. From edge of shale unit and brick-red dolostone. <1%				
Sample Number:	K293158	UTM:	363767	mE	Nad83, Zone 8
Elevation:	4983 m	UTM:	7204064	mN	
Comments:	Light tan to grey dolostone with calcite and drusy quartz. Small blacks specks could possibly be sphalerite. Light tan inclusions. Reacts to zinc zap. From Bouvette dolostone talus. <1%				
Sample Number:	K293159	UTM:	363754	mE	Nad83, Zone 8
Elevation:	5126 m	UTM:	7203964	mN	
Comments:	Drusy quartz and calcite with rusty brown-red exterior. Small sphalerite crystals. Collected from the edge of Bouvette talus slope. <1%				
Sample Number:	K293160	UTM:	363665	mE	Nad83, Zone 8
Elevation:	5665 m	UTM:	7203716	mN	
Comments:	Tan to orange vesicular/vuggy dolomite with calcite crystals and dark orange-brown stain. Reacts to zinc zap. <1% of Bouvette talus slope (3 or 4 boulders over 10 x 10m)				
Sample Number:	K293161	UTM:	363763	mE	Nad83, Zone 8
Elevation:	5816 m	UTM:	7203648	mN	
Comments:	Massive barite collected from 5m uphill from old rock sample (no number). In line with two possible structures but not sure of source. Surrounding dolostone is sandy and crumbly (tan-grey)				
Sample Number:	K293162	UTM:	364201	mE	Nad83, Zone 8
Elevation:	4652 m	UTM:	7204145	mN	
Comments:	Massive quartz vein in shale. Possible along a fault? Evidenced by slickenlines. Quartz cutting through dark grey-green host rock.				

Rock Sample Descriptions Property: Michelle

Sample Number:	K293163	UTM:	364575	mE	Nad83, Zone 8
Elevation:	4435 m	UTM:	7203986	mN	
Comments:	Tan to orange boulder in Bouvette dolostone talus. Unsure of source as it was collected from what could be talus pile or within the Bouvette unit…				

Sample Number:	K293164	UTM:	364512	mE	Nad83, Zone 8
Elevation:	4507 m	UTM:	7203957	mN	
Comments:	Tan to orange boulders scattered throughout Bouvette talus from a 15 x 10m area. 5% (unsure of source)				

Sample Number:	K293165	UTM:	365721	mE	Nad83, Zone 8
Elevation:	4507 m	UTM:	7202938	mN	
Comments:	Light tan-orange sand collected from edge of a linear/saddle (sampled as a rock on request)				

Sample Number:	K293166	UTM:	365202	mE	Nad83, Zone 8
Elevation:	4396 m	UTM:	7203738	mN	
Comments:	Orange oxidized boulder with sphalerite or oxide coatings and minor galena blebs. From Bouvette dolostone talus chute 15 x 70m. <1%				

Sample Number:	K293167	UTM:	365431	mE	Nad83, Zone 8
Elevation:	4254 m	UTM:	7203675	mN	
Comments:	Quartz vein in grey-grey host (altered shale?) with trace pyrite. Minor reaction to zinc zap. <1%. From float train of shale, brick-red dolostone and Bouvette dolostone				

Sample Number:	K293168	UTM:	365113	mE	Nad83, Zone 8
Elevation:	5431 m	UTM:	7202885	mN	
Comments:	Tan to orange float on top of broad plateau east of TR-17-03. Contains small sphalerite crystals and reacts to zinc zap. <1% of 5 x 10m area.				

Rock Sample Descriptions Property: Michelle

Sample Number:	K293169	UTM:	366127 mE	Nad83, Zone 8
Elevation:	5280 m	UTM:	7202952 mN	

Comments: Light grey exterior with fine crystalline interior. Contains galena bleb and reacts mildly to zinc zap. Exterior is crumbly/sandy. 10% of material in Bouvette talus.

Sample Number:	K293170	UTM:	365972 mE	Nad83, Zone 8
Elevation:	5287 m	UTM:	7202992 mN	

Comments: Dark grey with rough exterior. Calcite inside with darker grey bands/coatings mixed throughout.

Sample Number:	K293171	UTM:	363356 mE	Nad83, Zone 8
Elevation:	5732 m	UTM:	7204734 mN	

Comments: Tan weathered vuggy with light grey interior collected from orange-brown soil within small pit in Bouvette talus. <1%

Sample Number:	K293172	UTM:	363055 mE	Nad83, Zone 8
Elevation:	6060 m	UTM:	7204662 mN	

Comments: White coating with white veins through Bouvette dolostone with massive calcite. Powdery/sugary/sandy texture. From a 15 x 3m bench.

Sample Number:	K293173	UTM:	365263 mE	Nad83, Zone 8
Elevation:	5218 m	UTM:	7205207 mN	

Comments: Heavily oxidized orange-black boulder (15 x 15cm) in Bouvette talus. Limonitic with white coating and cavitivies filled/coated by white material.

Sample Number:	K293174	UTM:	365941 mE	Nad83, Zone 8
Elevation:	5235 m	UTM:	7204632 mN	

Comments: Brecciated Bouvette dolostone (grey) with white encrustations on fragments/inclusions and more massive space filling calcite (?). From talus below outcrop 30 x 10m. <1%

Rock Sample Descriptions Property: Michelle

Sample Number:	K293175	UTM:	365931	mE	Nad83, Zone 8
Elevation:	5836 m	UTM:	7205426	mN	
Comments:	Rusty orange with oxide coating/rind. About 5% of material in Bouvette talus about coraliferrous horizon.				

Sample Number:	K293176	UTM:	364040	mE	Nad83, Zone 8
Elevation:	5431 m	UTM:	7203417	mN	
Comments:	Orange-brown stained vuggy with barite(?) and sphalerite crystals. From base of tan weathered outrcrop that continues to the northwest. 80% of material at collection site, possibly from along a fault?				

Sample Number:	K293177	UTM:	364155	mE	Nad83, Zone 8
Elevation:	5399 m	UTM:	7203359	mN	
Comments:	Orange-black spidery (whispy) band with barite and sphalerite (?) about 10cm thick throughout light tan-grey sandy dolostone. Band is nearly horizontal and visible for 2m. Taken from outcrop near the Prairie Dog showing and along the same horizon as K293176.				

Sample Number:	K293178	UTM:	364152	mE	Nad83, Zone 8
Elevation:	5399 m	UTM:	7203318	mN	
Comments:					

Sample Number:	K293179	UTM:	364154	mE	Nad83, Zone 8
Elevation:	5399 m	UTM:	7203316	mN	
Comments:					

Sample Number:	K293180	UTM:	364155	mE	Nad83, Zone 8
Elevation:	5399 m	UTM:	7203316	mN	
Comments:					

Sample Number:	K293181	UTM:	364155	mE	Nad83, Zone 8
Elevation:	5399 m	UTM:	7203315	mN	
Comments:					

Rock Sample Descriptions Property: Michelle

Sample Number:	K293182	UTM:	364157 mE	Nad83, Zone 8	
Elevation:	5399 m	UTM:	7203314 mN		
Comments:					
Sample Number:	K293183	UTM:	364161 mE	Nad83, Zone 8	
Elevation:	5399 m	UTM:	7203314 mN		
Comments:					
Sample Number:	K293184	UTM:	364160 mE	Nad83, Zone 8	
Elevation:	5399 m	UTM:	7203314 mN		
Comments:					
Sample Number:	K293185	UTM:	364162 mE	Nad83, Zone 8	
Elevation:	5399 m	UTM:	7203313 mN		
Comments:					
Sample Number:	K293186	UTM:	364163 mE	Nad83, Zone 8	
Elevation:	5399 m	UTM:	7203312 mN		
Comments:					
Sample Number:	K293187	UTM:	364164 mE	Nad83, Zone 8	
Elevation:	5399 m	UTM:	7203311 mN		
Comments:					
Sample Number:	K293188	UTM:	364164 mE	Nad83, Zone 8	
Elevation:	m	UTM:	7203311 mN		
Comments:					

Rock Sample Descriptions Property: Michelle

Sample Number:	K293189	UTM:	364166	mE	Nad83, Zone 8
Elevation:	m	UTM:	7203311	mN	
Comments:					

Sample Number:	K293190	UTM:	363762	mE	Nad83, Zone 8
Elevation:	m	UTM:	7203647	mN	
Comments:					

Sample Number:	K293191	UTM:	363761	mE	Nad83, Zone 8
Elevation:	m	UTM:	7203648	mN	
Comments:					

Sample Number:	K293192	UTM:	363759	mE	Nad83, Zone 8
Elevation:	m	UTM:	7203647	mN	
Comments:					

Sample Number:	K293193	UTM:	363758	mE	Nad83, Zone 8
Elevation:	m	UTM:	7203645	mN	
Comments:					

Sample Number:	K293194	UTM:	363757	mE	Nad83, Zone 8
Elevation:	m	UTM:	7203647	mN	
Comments:					

Sample Number:	K293195	UTM:	363756	mE	Nad83, Zone 8
Elevation:	m	UTM:	7203645	mN	
Comments:					

Rock Sample Descriptions Property: Michelle

Sample Number:	K293196	UTM:	365046	mE	Nad83, Zone 8
Elevation:	m	UTM:	7202895	mN	
Comments:					
Sample Number:	K293197	UTM:	365045	mE	Nad83, Zone 8
Elevation:	m	UTM:	7202897	mN	
Comments:					
Sample Number:	K293198	UTM:	365043	mE	Nad83, Zone 8
Elevation:	m	UTM:	7202898	mN	
Comments:					
Sample Number:	K293199	UTM:	365043	mE	Nad83, Zone 8
Elevation:	m	UTM:	7202898	mN	
Comments:					
Sample Number:	K293200	UTM:	365040	mE	Nad83, Zone 8
Elevation:	m	UTM:	7202900	mN	
Comments:					
Sample Number:	K293201	UTM:	365015	mE	Nad83, Zone 8
Elevation:	m	UTM:	7202861	mN	
Comments:					
Sample Number:	K293202	UTM:	365013	mE	Nad83, Zone 8
Elevation:	m	UTM:	7202862	mN	
Comments:					

Rock Sample Descriptions Property: Michelle

Sample Number:	K293203		UTM:	365011	mE	Nad83, Zone 8
Elevation:		m	UTM:	7202863	mN	
Comments:						

Sample Number:	K293204		UTM:	365011	mE	Nad83, Zone 8
Elevation:		m	UTM:	7202863	mN	
Comments:						

Sample Number:	K293205		UTM:	365009	mE	Nad83, Zone 8
Elevation:		m	UTM:	7202864	mN	
Comments:						

Sample Number:	K293206		UTM:	365009	mE	Nad83, Zone 8
Elevation:		m	UTM:	7202866	mN	
Comments:						

Sample Number:	K293207		UTM:	365008	mE	Nad83, Zone 8
Elevation:		m	UTM:	7202867	mN	
Comments:						

Sample Number:	K293208		UTM:	367346	mE	Nad83, Zone 8
Elevation:	4544	m	UTM:	7202750	mN	
Comments:	10 small rocks collected from ridge crest from an area 15m x 50m. Talus chute to the south also contained ~5% oxidized material. Limonitic/goethitic boulders up to 15cm. Soil was stained dark to bright orange					

Sample Number:	K293209		UTM:	366727	mE	Nad83, Zone 8
Elevation:	5058	m	UTM:	7202723	mN	
Comments:	Well developed quartz crystals up to 2cm on grey dolostone proximal to the Scorpion showing. Quartz on exterior has similar appearance to the coraliferous horizon in the area. Tan to grey inclusions inside with limonitic coatings and cavities. Small galena blebs throughout. <5% of the surrounding area of grey dolostone skree.					

Rock Sample Descriptions Property: Michelle

Sample Number:	K293210	UTM:	366255	mE	Nad83, Zone 8
Elevation:	5182 m	UTM:	7202933	mN	

Comments: Tan to grey weathered dolostone boulder with "salt and pepper" texture (black and white specks) inside. Small bands, coatings and nuggets of iron oxides inside. In grey dolostone talus just below ridgetop. Only 2 boulders in immediate area, more downslope 15m.

Sample Number:	K293211	UTM:	365853	mE	Nad83, Zone 8
Elevation:	5071 m	UTM:	7202706	mN	

Comments: Limonitic tan-grey pebbles to boulders in grey dolostone skree. <2% of material in the area

Sample Number:	K293212	UTM:	365865	mE	Nad83, Zone 8
Elevation:	3661 m	UTM:	7202366	mN	

Comments: Chipped from a 20m x 10x tan-orange-grey dolostone outrcrop from along a fracture with abundant calcite and oxide staining. Minor goethite and possible rare sphalerite.

Sample Number:	K293213	UTM:	366029	mE	Nad83, Zone 8
Elevation:	3668 m	UTM:	7202718	mN	

Comments: Tan to orange-grey dolstone pebbles with limonitic staining and minor galena blebs. Collected along with K293214 from an area 50x100m on south facing slope. <1% of material (mostly grey dolostone skree and vegetation)

Sample Number:	K293214	UTM:	366029	mE	Nad83, Zone 8
Elevation:	3671 m	UTM:	7202718	mN	

Comments: Heavily oxidized/goethitic/limonitic pebbles and boulders. <1% of material (mostly grey dolostone skree and vegetation). Collected along with K293213 from an area 50x100m on south facing slope

Sample Number:	K293215	UTM:	367243	mE	Nad83, Zone 8
Elevation:	3667 m	UTM:	7202775	mN	

Comments: Limonitic/goethitic coated light grey dolostone. 1% of skree in a small 5x 10m bowl surrounded by grey dolostone.

Rock Sample Descriptions Property: Michelle

Sample Number:	K293216	UTM:	367136	mE	Nad83, Zone 8
Elevation:	4909 m	UTM:	7202609	mN	
Comments:					
Sample Number:	K293217	UTM:	367137	mE	Nad83, Zone 8
Elevation:	4913 m	UTM:	7202606	mN	
Comments:					
Sample Number:	K293218	UTM:	367136	mE	Nad83, Zone 8
Elevation:	4918 m	UTM:	7202607	mN	
Comments:					
Sample Number:	K293219	UTM:	367136	mE	Nad83, Zone 8
Elevation:	4925 m	UTM:	7202606	mN	
Comments:					
Sample Number:	K293220	UTM:	367135	mE	Nad83, Zone 8
Elevation:	4906 m	UTM:	7202603	mN	
Comments:					
Sample Number:	K293221	UTM:	367136	mE	Nad83, Zone 8
Elevation:	4915 m	UTM:	7202602	mN	
Comments:					
Sample Number:	K293222	UTM:	367136	mE	Nad83, Zone 8
Elevation:	4917 m	UTM:	7202601	mN	
Comments:					

Rock Sample Descriptions Property: Michelle

Sample Number:	K293223	UTM:	367137	mE	Nad83, Zone 8
Elevation:	4915 m	UTM:	7202600	mN	
Comments:					
Sample Number:	K293224	UTM:	367137	mE	Nad83, Zone 8
Elevation:	m	UTM:	7202598	mN	
Comments:					
Sample Number:	K293225	UTM:	367148	mE	Nad83, Zone 8
Elevation:	4909 m	UTM:	7202577	mN	
Comments:					
Sample Number:	K293226	UTM:	367147	mE	Nad83, Zone 8
Elevation:	4912 m	UTM:	7202577	mN	
Comments:					
Sample Number:	K293227	UTM:	367146	mE	Nad83, Zone 8
Elevation:	4909 m	UTM:	7202575	mN	
Comments:					
Sample Number:	K293228	UTM:	367145	mE	Nad83, Zone 8
Elevation:	4911 m	UTM:	7202575	mN	
Comments:					
Sample Number:	K293229	UTM:	367143	mE	Nad83, Zone 8
Elevation:	4915 m	UTM:	7202574	mN	
Comments:					

Rock Sample Descriptions Property: Michelle

Sample Number:	K293230	UTM:	367143 mE	Nad83, Zone 8
Elevation:	4913 m	UTM:	7202573 mN	
Comments:				

Sample Number:	K293231	UTM:	367142 mE	Nad83, Zone 8
Elevation:	4918 m	UTM:	7202573 mN	
Comments:				

Sample Number:	K293232	UTM:	367181 mE	Nad83, Zone 8
Elevation:	4907 m	UTM:	7202621 mN	
Comments:				

Sample Number:	K293233	UTM:	367180 mE	Nad83, Zone 8
Elevation:	4912 m	UTM:	7202619 mN	
Comments:				

Sample Number:	K293234	UTM:	367180 mE	Nad83, Zone 8
Elevation:	4914 m	UTM:	7202617 mN	
Comments:				

Sample Number:	K293235	UTM:	367181 mE	Nad83, Zone 8
Elevation:	4916 m	UTM:	7202616 mN	
Comments:				

Sample Number:	K293236	UTM:	367180 mE	Nad83, Zone 8
Elevation:	4911 m	UTM:	7202614 mN	
Comments:				

Rock Sample Descriptions Property: Michelle

Sample Number:	K293237	UTM:	366397	mE	Nad83, Zone 8
Elevation:	4352 m	UTM:	7202323	mN	

Comments: Greyish white dolostone with some black weathering on surface. Some inclusions of oragnge/tan coloured rock. Inclusions turn red when zonc zap is applied to them indicating that zinc is present. There are also pitted inclusions of rusty redd/burgandy that is weathered to a dark red/black. This rock was found near the top of a slope that was 98% whitish grey dolostone. This was the topmost piece found on the slope and there were more pieces below it for approx 200 m.

Sample Number:	K293238	UTM:	369085	mE	Nad83, Zone 8
Elevation:	4001 m	UTM:	7203194	mN	

Comments: Light orange colour that is weathered in some parts to a light tan colour. Turns red when exposed to zinc zap indicating that some zinc is present. Has a few small inclusions of a dark red/burgandy mineral. Was found in a drainage with a few other similair rocks that covered and area approx 75 m up the drainage and approx 15 m wide. This type of rock made up approx 3% of the rocks in the drainage.

Sample Number:	K293239	UTM:	373074	mE	Nad83, Zone 8
Elevation:	4924 m	UTM:	7209194	mN	

Comments: Composite sample of brown, brecciated limonite cobbles with patches of goethite, chocolate-brown hairline fractures, and white zinc precipitate on outside surfaces. Collected from a talus slope.

Sample Number:	K293240	UTM:	373041	mE	Nad83, Zone 8
Elevation:	4890 m	UTM:	7209199	mN	

Comments: Orange limonitic cobbles with minor spidery goethitic veins/coatings. From south facing Bouvette dolostone talus slope. <2% of material in area.

Sample Number:	K293241	UTM:	373277	mE	Nad83, Zone 8
Elevation:	4552 m	UTM:	7209031	mN	

Comments: Limonitic boulder (20x15cm) with goethitic coatings on exterior. Fresh surface contains rusty coating and small patches of white powdery smithsonite (?). From bouvette talus slope between 2 gullies at the head of drainage (below the Cirque showing?). Approximately 5-10%of material in talus.

Rock Sample Descriptions Property: Michelle

Sample Number:	K293242	UTM:	373638	mE	Nad83, Zone 8
Elevation:	5405 m	UTM:	7208679	mN	
Comments:	Limonitic cobble with goethitc blebs and "veins" and minor white coatings (zinc precipitate?) from Bouvette talus. Approximately 10% of rocks in the area are limonitic or goethitic boulders. No rep.				

Sample Number:	K293243	UTM:	373936	mE	Nad83, Zone 8
Elevation:	5245 m	UTM:	7209215	mN	
Comments:	Heavily oxidized goethtic cobble with limonitic coatings on outside and inside with minor galena blebs and white coatings of zinc precipitate (?). From a scoop-like structure in Bouvette talus, makes up less than 5 % of rocks in the area.No rep, see K293259				

Sample Number:	K293244	UTM:	373250	mE	Nad83, Zone 8
Elevation:	4559 m	UTM:	7208941	mN	
Comments:	Strongly limonitic boulders and cobbles with rusty red coatings, spilling out of Bouvette talus on the north facing slope slightly above the creek bed. 20% of rocks in area.				

Sample Number:	K293245	UTM:	372939	mE	Nad83, Zone 8
Elevation:	4998 m	UTM:	7209299	mN	
Comments:	TR-17-10 0m-2m brown weathering, dark grey, calcite-healed dolostone breccia with sparse medium brown oxide on fracture surfaces.				

Sample Number:	K293246	UTM:	372940	mE	Nad83, Zone 8
Elevation:	4997 m	UTM:	7209297	mN	
Comments:	TR-17-10 2m-3.5m punky orange-brown oxide.				

Sample Number:	K293247	UTM:	372940	mE	Nad83, Zone 8
Elevation:	4992 m	UTM:	7209297	mN	
Comments:	TR-17-10 3.5m-4.6m light brown weathering, black, fine grained dolostone with abundant fine grained pits, sometimes filled with limonite, and patches of medium brown oxide on fracture surfaces.				

Rock Sample Descriptions Property: Michelle

Sample Number:	K293248	UTM:	372942	mE	Nad83, Zone 8
Elevation:	4989 m	UTM:	7209296	mN	

Comments: TR-17-10 4.6m-6.2m non-medrock mixture of dark grey coraliferous dolostone and calcite-healed dolostone breccia.

Sample Number:	K293249	UTM:	372944	mE	Nad83, Zone 8
Elevation:	4998 m	UTM:	7209295	mN	

Comments: TR-17-10 6.2m-8.1m medium to dark brown, fractured dolostone with fractures and vugs filled with chocolate brown oxide.

Sample Number:	K293250	UTM:	372945	mE	Nad83, Zone 8
Elevation:	5007 m	UTM:	7209295	mN	

Comments: TR-17-10 8.1m-10m rock with the same lithology as K293247.

Sample Number:	K293251	UTM:	373319	mE	Nad83, Zone 8
Elevation:	4715 m	UTM:	7209064	mN	

Comments: Float grab of orange-brown, limonite crackle breccia with chocolate-brown oxide on outside surfaces. Collected from the top of a float train, see K293241 for rep.

Sample Number:	K293252	UTM:	373393	mE	Nad83, Zone 8
Elevation:	4958 m	UTM:	7209143	mN	

Comments: Float grab of buff weathering, dark grey 'sanded' coraliferous limestone, with trace white (zinc?) precipitate on outside surfaces. Collected along strike from trench TR-17-09 and the cirque showing.

Sample Number:	K293253	UTM:	372984	mE	Nad83, Zone 8
Elevation:	4433 m	UTM:	7208695	mN	

Comments: Composite sample of orange-brown limonite breccia, with chocloate-brown oxide and white (zinc?) precipitate on outside surfaces. Material is abundant in float and appears to be sourcing from a strataform horizon in the Bouvette reef unit. No rep.

Rock Sample Descriptions Property: Michelle

Sample Number:	K293254	UTM:	373208	mE	Nad83, Zone 8
Elevation:	5075 m	UTM:	7209266	mN	
Comments:	Composite sample of orange-brown limonitic crackle breccia 'clinkers', with white (zinc?) precipitate on outside surfaces. Collected from a apx. 20 m by 20 m area of limestone talus where <= 5% of the material is this type.				

Sample Number:	K293255	UTM:	373674	mE	Nad83, Zone 8
Elevation:	5446 m	UTM:	7208677	mN	
Comments:	Float grab of orange-brown, limonite crackle breccia with chocolate-brown oxide and white (zinc?) precipitate on outside surfaces. No rep.				

Sample Number:	K293256	UTM:	373749	mE	Nad83, Zone 8
Elevation:	5341 m	UTM:	7208806	mN	
Comments:	Part of a ~4m chip sample, oriented northeast-southwest, across fractured, conspicuously medium brown weathering, grey, fine grained limestone in outcrop in an approximately 1m wide bed.				

Sample Number:	K293257	UTM:	373749	mE	Nad83, Zone 8
Elevation:	5341 m	UTM:	7208807	mN	
Comments:	Part of a ~4m chip sample, oriented northeast-southwest, across fractured, conspicuously medium brown weathering, grey, fine grained limestone in outcrop in an approximately 1m wide bed.				

Sample Number:	K293258	UTM:	373901	mE	Nad83, Zone 8
Elevation:	5337 m	UTM:	7209226	mN	
Comments:	Float grab of limonitic, dark grey dolostone with interstitial calcite in a MVT-style breccia, with earthy limonite on fracture surfaces and no visible sulphides. Removed from a 20cm x 30cm x 30cm boulder in a talus slope.				

Sample Number:	K293259	UTM:	373919	mE	Nad83, Zone 8
Elevation:	5299 m	UTM:	7209241	mN	
Comments:	Float grab of a dark chocolate-brown, crumbly and earthy oxide with a ~1cm wide ribbon of coarse grained galena. Collected from a talus slope, and dark oxide material is rare.				

Rock Sample Descriptions Property: Michelle

Sample Number:	K293260	UTM:	373963	mE	Nad83, Zone 8
Elevation:	5130 m	UTM:	7208906	mN	
Comments:	Composite sample of earthy, limonitic and goethitic, banded oxide. Collected from a talus slope where <=10%of the material is of this type. No rep.				

Sample Number:	K293261	UTM:	373360	mE	Nad83, Zone 8
Elevation:	5002 m	UTM:	7209218	mN	
Comments:	TR-17-09 0m-2m medium brown weathering, medium grey fine to medium grained dolostone.				

Sample Number:	K293262	UTM:	373362	mE	Nad83, Zone 8
Elevation:	5002 m	UTM:	7209222	mN	
Comments:	TR-17-09 2m-3.25m rock with the same lithology as K293261 but slightly more oxidized.				

Sample Number:	K293263	UTM:	373366	mE	Nad83, Zone 8
Elevation:	5004 m	UTM:	7209218	mN	
Comments:	TR-17-09 3.25m-4.3m rock with the same lithology as K293262.				

Sample Number:	K293264	UTM:	373364	mE	Nad83, Zone 8
Elevation:	5004 m	UTM:	7209219	mN	
Comments:	TR-17-09 4.3m-5.1m medium brown weathering and slightly oxidized,dark grey, fine grained dolostone.				

Sample Number:	K293265	UTM:	373364	mE	Nad83, Zone 8
Elevation:	5021 m	UTM:	7209223	mN	
Comments:	TR-17-09 5.1m-6.5m medium brown, punky/crumbly oxide.				

Sample Number:	K293266	UTM:	373365	mE	Nad83, Zone 8
Elevation:	5019 m	UTM:	7209221	mN	
Comments:	TR-17-09 6.5m-9.1m darl grey, fine grained siliceous dolostone with thin orange-stained calcite stringers.				

Rock Sample Descriptions Property: Michelle

Sample Number:	K293267	UTM:	373365	mE	Nad83, Zone 8
Elevation:	5019 m	UTM:	7209214	mN	
Comments:	TR-17-09 9.1m-10.5m rock with the same lithology as K293266.				
Sample Number:	K293268	UTM:	373367	mE	Nad83, Zone 8
Elevation:	5012 m	UTM:	7209208	mN	
Comments:	TR-17-09 10.5m-12.9m rock with the same lithology as sample K293264.				
Sample Number:	K293269	UTM:	373367	mE	Nad83, Zone 8
Elevation:	5012 m	UTM:	7209210	mN	
Comments:	TR-17-09 12.9m-14.7m rock with the same litholoy as K293266.				
Sample Number:	K293270	UTM:	370486	mE	Nad83, Zone 8
Elevation:	4892 m	UTM:	7207844	mN	
Comments:	Limonitic tan weathered dolostone with minor goethite and sphalerite crystals. From float train southwest of the 2015 Gaynor trench. Train is approximately 10m wide and 15m long consisting mostly of grey dolostone with <1% limonitic and goethitic pebbles and cobbles. No rep				
Sample Number:	K293271	UTM:	370487	mE	Nad83, Zone 8
Elevation:	4930 m	UTM:	7207871	mN	
Comments:	Dark brown grey coarse crystal dolomite cobbles and boulders at the top of K293270 float train. Small galena blebs throughout with sphalerite crystals and goethitic psuedomorphs and blobs on the surface and internally.				
Sample Number:	K293272	UTM:	370475	mE	Nad83, Zone 8
Elevation:	4911 m	UTM:	7207906	mN	
Comments:	Grey dolostone outcrop with galena blebs and black splotches throughout interally. Found with goethitic/limonitic cobbles spilling out of a cavity between two beds of grey dolostone. From north facing slope with multiple benches made by dolostone bedding. Two other similar showings were found in close proximity. Northwest of Gaynor showing, likely related				

Rock Sample Descriptions Property: Michelle

Sample Number:	K293273	UTM:	370002	mE	Nad83, Zone 8
Elevation:	4202 m	UTM:	7206913	mN	

Comments: Brecciated tan-orange weathered dolostone with dark grey clasts and white fine- to medium-grained matrix. Minor limonitic filled cavities and rare galena blebs. Collected from talus slope below large tan-weathed karsted dolostone. Possibly sourcing from a small piece of outcrop that has fractured off from bedrock. Small outcrop might represent the base of the karsted horizon of dolostone.

Sample Number:	K293274	UTM:	370675	mE	Nad83, Zone 8
Elevation:	4539 m	UTM:	7207748	mN	

Comments: Tan-grey weathered dolostone with goethite or oxide clumbs on the exterior. Galena blebs within. Looks somewhat like the karsted dolostone in outcrop above where the sample was collected. Found within grey dolostone talus, <1%. No rep

Sample Number:	K293275	UTM:	370846	mE	Nad83, Zone 8
Elevation:	4024 m	UTM:	7207394	mN	

Comments: four pieces collected from different goethite boulders within a grey dolostone talus slope. Boulders are heavily oxidized and contain minor limonite, no visible mineralizaton and possibly lead or zinc precipitates. To the northeast of the Gaz showing. No source identified and no rep.

Sample Number:	K293276	UTM:	369992	mE	Nad83, Zone 8
Elevation:	4259 m	UTM:	7206923	mN	

Comments: Limonitic tan-orange stained to light grey brecciated and fractured dolostone. Coarse dolomite crystals and limonitic cavities with minor galena blebs throughout. Galena also found disseminated throughout otherwise unmineralized dolostone. From outcrop approximately 10x20m. No rep.

Sample Number:	K293277	UTM:	369965	mE	Nad83, Zone 8
Elevation:	4362 m	UTM:	7206973	mN	

Comments: Brecciated and karsted tan-orange to grey dolostone band within dolostone outcrop with massive galena cubes (up to 1cm), reacts to zinc zap. From outcrop above K293276, 8x5m. Brecciated band is ~50cm thick.

Rock Sample Descriptions Property: Michelle

Sample Number:	K293278	UTM:	369848 mE	Nad83, Zone 8	
Elevation:	4671 m	UTM:	7207022 mN		
Comments:	Feathery to bladed barite (?) within limonitic and goethitic stains/coatings/blobs and minor lead or zinc precipitate (?). <1% of grey dolostone talus. No rep.				

Sample Number:	K293279	UTM:	370491 mE	Nad83, Zone 8	
Elevation:	4898 m	UTM:	7207853 mN		
Comments:	TR-17-11 (0-1.5m): light grey to tan dolostone with calcite and minor limonitic coatings, pale green bands internally				

Sample Number:	K293280	UTM:	370490 mE	Nad83, Zone 8	
Elevation:	4899 m	UTM:	7207853 mN		
Comments:	TR-17-11 (1.5-3m): Coarsely crystalline calcite and orange-brown stained dolostone with pale green bands internally				

Sample Number:	K293281	UTM:	370492 mE	Nad83, Zone 8	
Elevation:	4899 m	UTM:	7207853 mN		
Comments:	TR-17-11 (3-4.5m): Same lithology as K293280				

Sample Number:	K293282	UTM:	370494 mE	Nad83, Zone 8	
Elevation:	4898 m	UTM:	7207852 mN		
Comments:	TR-17-11 (4.5-6m): Light grey unmineralized finely crystalline dolostone				

Sample Number:	K293283	UTM:	370495 mE	Nad83, Zone 8	
Elevation:	4900 m	UTM:	7207852 mN		
Comments:	TR-17-11 (6-7m): Same lithology as K293282				

Sample Number:	K293284	UTM:	370495 mE	Nad83, Zone 8	
Elevation:	4905 m	UTM:	7207853 mN		
Comments:	TR-17-11 (7-8m): Orange brown dirt with crumbly heavily oxidized/goethitic and limonitic coated cobbles within tan-brown-orange sand				

Sample Number:	K293285	UTM:	370496	mE	Nad83, Zone 8
Elevation:	4906 m	UTM:	7207852	mN	
Comments:	TR-17-11 (8-8.7m): Tan-brown-orange sand and dirt with boulders of massive calcite and minor dolostone.				

Sample Number:	K293286	UTM:	370498	mE	Nad83, Zone 8
Elevation:	4902 m	UTM:	7207853	mN	
Comments:	TR-17-11 (8.7-10m): Compact light grey-tan sugary/sandy dolostone/calcite and massive calcite cobbles				

Sample Number:	K293287	UTM:	370497	mE	Nad83, Zone 8
Elevation:	4909 m	UTM:	7207852	mN	
Comments:	TR-17-11(10-11m): Same lithology as K293286				

Sample Number:	K293288	UTM:	370499	mE	Nad83, Zone 8
Elevation:	4898 m	UTM:	7207852	mN	
Comments:	TR-17-11 (11-12.5m): Massive calcite and compotent but surgary/sandy grey-bleached tan dolostone				

Sample Number:	K293289	UTM:	370501	mE	Nad83, Zone 8
Elevation:	4902 m	UTM:	7207851	mN	
Comments:	TR-17-11 (12.5-14m): Light grey-bleached dolostone with rare galena blebs				

Sample Number:	K293290	UTM:	370504	mE	Nad83, Zone 8
Elevation:	4899 m	UTM:	7207849	mN	
Comments:	TR-17-11 (14-15.5m): Massive calicte and light grey dolostone				

Sample Number:	K293291	UTM:	370505	mE	Nad83, Zone 8
Elevation:	4896 m	UTM:	7207849	mN	
Comments:	TR-17-11 (15.5-17m): Bleached grey sandy dolostone with massive calcite and 20-30cm of dark brown dirt with minor orange staining				

Rock Sample Descriptions Property: Michelle

Sample Number:	K293292	UTM:	370506 mE	Nad83, Zone 8
Elevation:	4906 m	UTM:	7207849 mN	
Comments:	TR-17-11 (17-18.5m) Light grey finely crystalline dolostone with mild orange staining			

Sample Number:	K293293	UTM:	370506 mE	Nad83, Zone 8
Elevation:	4903 m	UTM:	7207849 mN	
Comments:	TR-17-11 (18.5-20m): Same lithology as K293292			

Sample Number:	K293294	UTM:	370509 mE	Nad83, Zone 8
Elevation:	4906 m	UTM:	7207848 mN	
Comments:	TR-17-11 (20-21m): Light grey-bleached sugary dolostonewith pale orange-yellow stains and rare galena blebs and limonitic cavities			

Sample Number:	K293295	UTM:	370509 mE	Nad83, Zone 8
Elevation:	4910 m	UTM:	7207849 mN	
Comments:	TR-17-11 (21-22m): Same lithology as K293294 but with no visible mineralization			

Sample Number:	K293296	UTM:	370643 mE	Nad83, Zone 8
Elevation:	4289 m	UTM:	7207349 mN	
Comments:	TR-17-12 (0-1.5m): Dark orange-brown dirt with limonitic stained dolostone with light green crystalline inside mixed with small black specks			

Sample Number:	K293297	UTM:	370644 mE	Nad83, Zone 8
Elevation:	4289 m	UTM:	7207349 mN	
Comments:	TR-17-12 (1.5-3m): Same lithology as K293296 but with rusty red coatings on some internal surfaces.			

Sample Number:	K293298	UTM:	370644 mE	Nad83, Zone 8
Elevation:	4286 m	UTM:	7207349 mN	
Comments:	TR-17-12 (3-4.5m): Orange stained dolostone with bands of a black mineral throughout			

Rock Sample Descriptions Property: Michelle

Sample Number:	K293299	UTM:	370645 mE	Nad83, Zone 8
Elevation:	4282 m	UTM:	7207347 mN	
Comments:	TR-17-12 (4.5-6m): Orange stained dirt with mily weather light to dark grey dolostone with small euhedral whit crystals srrounded by a "matrix" of a black mineral			

Sample Number:	K293300	UTM:	370645 mE	Nad83, Zone 8
Elevation:	4282 m	UTM:	7207346 mN	
Comments:	TR-17-12 (6-7.5m): Same lithology as K293299			

Sample Number:	K293301	UTM:	370643 mE	Nad83, Zone 8
Elevation:	4272 m	UTM:	7207345 mN	
Comments:	TR-17-12 (7.5-8.5m): Same lithology as K293299			

Sample Number:	K293302	UTM:	370644 mE	Nad83, Zone 8
Elevation:	4276 m	UTM:	7207343 mN	
Comments:	TR-17-12 (8.5-9.6m): Same lithology as K293299			

Sample Number:	K293303	UTM:	370722 mE	Nad83, Zone 8
Elevation:	4233 m	UTM:	7207363 mN	
Comments:	TR-17-13 (0-1.5): Light grey dolostone with minor black patches internally, rare orange oxidized pebbles			

Sample Number:	K293304	UTM:	370722 mE	Nad83, Zone 8
Elevation:	4227 m	UTM:	7207363 mN	
Comments:	TR-17-13 (1.5-3m): Same lithology as K293303			

Sample Number:	K293305	UTM:	370723 mE	Nad83, Zone 8
Elevation:	4225 m	UTM:	7207366 mN	
Comments:	TR-17-13 (3-4.5m): Same lithology as K293303			

Sample Number:	K293306	UTM:	370724	mE	Nad83, Zone 8
Elevation:	4224 m	UTM:	7207366	mN	
Comments:	TR-17-13 (4.5-6m): Same lithology as K293303 and also dark brown dirt containing oxidized cobbles and pebbles				
Sample Number:	K293307	UTM:	370726	mE	Nad83, Zone 8
Elevation:	4227 m	UTM:	7207367	mN	
Comments:	TR-17-13 (6-7.5m): Same lithology as K293303				
Sample Number:	K293308	UTM:	370726	mE	Nad83, Zone 8
Elevation:	4231 m	UTM:	7207369	mN	
Comments:	TR-17-13 (7.5-9m): Same lithology as K293303 and also orange-brown band of oxidized dirt and rock				
Sample Number:	K293309	UTM:	370725	mE	Nad83, Zone 8
Elevation:	4232 m	UTM:	7207371	mN	
Comments:	TR-17-13 (9-10m): Same lithology as K293308				
Sample Number:	K293310	UTM:	370727	mE	Nad83, Zone 8
Elevation:	4230 m	UTM:	7207372	mN	
Comments:	TR-17-13 (10-11m): Same lithology as K293303				
Sample Number:	K293311	UTM:	370423	mE	Nad83, Zone 8
Elevation:	4907 m	UTM:	7208154	mN	
Comments:	Orange-brown limonitic pebbles and cobbles with spidery goethitic "veins and minor lead or zinc precipitate(?). In grey dolostone talus on east southeast facing slope. Float train approximately 30m wide and 50m long, although pebbles were found downhill for a ways. ~5% of material on the area.				
Sample Number:	K293312	UTM:	369988	mE	Nad83, Zone 8
Elevation:	4379 m	UTM:	7207060	mN	
Comments:	Tan-orange weathered dolostone with limonite, calcite and coarsely crystalline dolomite cavities and massive galena.				

APPENDIX IV

CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- JUL- 2017
Account: RANSIL

CERTIFICATE WH17123196

Project: Michelle

This report is for 50 Rock samples submitted to our lab in Whitehorse, YT, Canada on 19- JUN- 2017.

The following have access to data associated with this certificate:

JOAN MARIACHER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

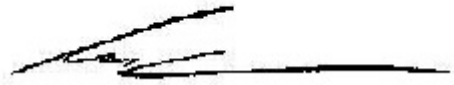
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag- OG46	Ore Grade Ag - Aqua Regia	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Pb- OG46	Ore Grade Pb - Aqua Regia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	ICP- AES
ME- MS41	Ultra Trace Aqua Regia ICP- MS	

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 17- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17123196

Sample Description	Method	WEI- 21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
K293151		0.45	0.10	0.02	4.1	<0.02	<10	200	<0.05	0.01	20.6	31.1	1.00	0.2	1	0.12
K293152		0.98	2.40	0.01	5.4	<0.02	<10	80	<0.05	<0.01	17.35	125.0	0.96	0.1	<1	0.08
K293153		1.36	>100	0.04	143.5	<0.02	<10	70	<0.05	0.16	0.37	36.7	1.20	0.3	<1	<0.05
K293154		1.00	0.88	0.01	4.6	<0.02	<10	70	<0.05	0.01	19.45	160.5	1.02	0.2	<1	0.08
K293155		0.49	1.85	0.01	1.3	<0.02	<10	100	<0.05	0.01	21.6	25.2	0.33	0.2	<1	0.13
K293156		0.72	2.89	0.12	195.5	<0.02	<10	3430	1.72	0.22	2.98	29.8	7.99	8.4	73	0.06
K293157		0.98	0.06	0.68	2.7	<0.02	<10	100	0.27	0.09	0.06	0.21	16.70	10.1	10	0.29
K293158		0.66	0.03	0.07	20.9	<0.02	<10	80	0.06	0.01	24.2	0.16	19.05	0.9	3	0.13
K293159		0.72	0.02	0.04	14.4	<0.02	<10	30	<0.05	0.01	16.90	0.04	6.41	0.6	5	0.10
K293160		1.48	0.11	0.01	0.8	<0.02	<10	200	<0.05	<0.01	20.5	31.8	0.63	0.2	1	0.08
K293161		0.74	0.03	0.02	0.4	<0.02	<10	2290	<0.05	<0.01	0.63	0.35	1.98	0.1	1	<0.05
K293162		1.95	0.02	0.45	2.2	<0.02	<10	780	0.12	0.07	0.17	0.26	3.19	4.1	15	0.17
K293163		1.15	0.72	0.01	2.5	<0.02	<10	250	<0.05	<0.01	20.8	49.5	1.04	0.2	1	0.05
K293164		1.16	0.48	0.01	2.5	<0.02	<10	150	<0.05	<0.01	17.55	130.5	1.33	0.5	1	0.05
K293165		0.61	0.14	0.18	3.1	<0.02	<10	890	0.12	0.02	21.3	6.64	6.88	1.5	5	0.32
K293166		0.51	33.7	0.01	46.0	<0.02	<10	90	<0.05	0.01	0.20	771	0.95	0.2	<1	<0.05
K293167		1.27	0.22	1.50	5.6	<0.02	<10	40	0.42	1.42	0.13	0.75	10.75	17.0	16	0.31
K293168		1.22	1.72	0.02	3.3	<0.02	<10	80	<0.05	0.01	18.70	182.5	0.27	0.3	1	0.13
K293169		0.58	0.19	0.02	0.3	<0.02	<10	50	<0.05	0.02	23.3	0.55	0.59	0.3	1	0.05
K293170		0.93	0.02	0.01	0.2	<0.02	<10	90	<0.05	<0.01	24.8	0.36	1.25	0.2	1	<0.05
K293171		0.72	0.06	0.02	2.3	<0.02	<10	110	<0.05	0.01	>25.0	2.68	12.65	0.4	1	0.06
K293172		0.95	0.03	0.07	1.3	<0.02	<10	40	0.07	0.01	22.1	0.35	4.47	0.7	3	0.18
K293173		1.34	0.77	0.04	1590	<0.02	<10	100	0.13	0.01	15.20	0.14	9.52	0.8	3	0.12
K293174		1.76	0.02	0.08	2.8	<0.02	<10	40	0.07	<0.01	21.0	0.03	2.90	0.6	3	0.20
K293175		0.96	0.29	0.03	6.8	<0.02	<10	70	<0.05	0.01	18.50	6.77	3.00	0.8	1	0.07
K293176		1.92	>100	0.01	47.3	<0.02	<10	90	<0.05	0.03	9.42	351	0.99	0.4	1	<0.05
K293177		2.12	0.69	0.01	8.3	<0.02	<10	200	<0.05	<0.01	9.31	527	5.07	0.9	<1	<0.05
K293178		2.41	3.59	0.01	2.7	<0.02	<10	120	<0.05	0.01	>25.0	14.00	1.74	0.2	1	0.11
K293179		1.32	0.41	0.01	1.5	<0.02	<10	140	<0.05	<0.01	23.1	8.85	1.03	0.2	1	0.16
K293180		2.03	0.34	0.04	1.7	<0.02	<10	110	0.05	0.01	21.9	2.01	1.56	0.4	3	0.18
K293181		1.78	0.19	0.06	0.9	<0.02	<10	110	0.05	0.01	21.6	1.63	1.90	0.4	1	0.20
K293182		1.87	0.23	0.05	3.5	<0.02	<10	110	0.09	0.02	20.5	1.59	1.21	0.4	5	0.20
K293183		2.03	0.25	0.18	2.0	<0.02	<10	120	0.08	0.03	19.85	1.26	5.57	1.3	3	0.26
K293184		1.97	0.16	0.02	0.8	<0.02	<10	110	0.07	0.02	20.3	0.92	0.52	0.8	1	0.21
K293185		1.44	0.13	0.02	1.1	<0.02	<10	100	0.07	0.01	21.1	1.54	0.61	0.9	2	0.17
K293186		1.80	0.07	0.01	0.7	<0.02	<10	110	0.05	0.01	21.0	1.37	0.72	0.8	1	0.20
K293187		1.75	0.08	0.02	2.5	<0.02	<10	80	0.14	0.02	20.6	1.56	0.64	1.0	2	0.15
K293188		1.38	0.09	0.01	0.5	<0.02	<10	130	0.07	0.01	21.1	1.41	0.61	0.9	1	0.21
K293189		1.16	0.09	0.01	0.2	<0.02	<10	110	0.07	0.01	21.0	2.26	0.71	0.9	1	0.16
K293190		0.72	0.29	0.02	1.7	<0.02	<10	4460	0.11	0.01	22.6	2.35	1.30	1.0	3	0.09

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To: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17123196

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	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	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	0.05
K293151		1.7	0.49	0.06	<0.05	<0.02	0.06	<0.005	0.01	0.6	0.2	11.80	1420	0.99	0.03	<0.05
K293152		7.7	1.02	0.08	<0.05	<0.02	0.11	<0.005	<0.01	0.6	0.1	10.00	2560	2.00	0.02	<0.05
K293153		49.7	38.9	17.30	12.25	<0.02	13.60	0.195	0.01	1.0	0.1	0.10	129	8.41	0.01	<0.05
K293154		162.5	0.75	0.58	<0.05	<0.02	0.58	0.248	<0.01	0.7	0.2	11.30	818	1.24	0.02	<0.05
K293155		1.1	0.11	<0.05	<0.05	<0.02	0.12	<0.005	<0.01	0.2	0.2	12.25	600	0.82	0.03	<0.05
K293156		320	10.90	3.86	0.08	0.04	0.89	0.734	0.01	7.5	0.2	0.68	277	51.0	<0.01	0.08
K293157		68.1	1.87	1.28	<0.05	0.08	0.01	0.024	0.11	8.7	6.7	0.18	405	0.29	0.02	<0.05
K293158		2.5	0.59	0.19	<0.05	0.05	0.01	0.017	0.04	10.2	0.4	8.94	102	11.80	0.03	<0.05
K293159		1.9	0.69	0.12	<0.05	0.04	<0.01	<0.005	0.02	3.4	0.4	8.03	105	6.96	0.02	<0.05
K293160		3.3	0.33	0.21	<0.05	<0.02	0.78	0.036	0.01	0.4	0.1	11.70	442	1.05	0.02	<0.05
K293161		2.5	0.03	0.05	<0.05	0.02	0.05	0.007	<0.01	1.7	0.1	0.19	11	0.07	<0.01	<0.05
K293162		5.6	1.32	0.96	<0.05	0.03	0.01	0.011	0.02	1.6	5.4	0.21	187	0.17	0.02	<0.05
K293163		2.0	0.79	1.87	<0.05	<0.02	0.51	0.013	<0.01	0.7	0.1	12.15	1210	4.07	0.02	<0.05
K293164		10.3	1.18	3.36	<0.05	<0.02	0.52	0.062	<0.01	0.9	0.2	10.10	3050	1.63	0.01	<0.05
K293165		16.5	0.32	0.49	<0.05	0.09	0.17	0.005	0.05	5.5	0.6	11.15	350	2.19	0.02	0.05
K293166		17.1	20.0	0.11	0.15	<0.02	0.97	<0.005	<0.01	0.6	0.1	0.34	3780	4.96	<0.01	<0.05
K293167		350	3.32	2.92	<0.05	0.08	<0.01	0.181	0.09	5.7	12.6	0.63	277	0.16	0.02	<0.05
K293168		31.9	1.14	0.71	0.15	<0.02	2.55	0.173	<0.01	0.2	0.2	10.85	2080	2.85	0.02	<0.05
K293169		1.9	0.07	0.07	<0.05	<0.02	0.04	<0.005	<0.01	0.4	0.1	11.05	210	0.21	0.02	<0.05
K293170		0.6	0.02	<0.05	<0.05	<0.02	0.01	<0.005	<0.01	0.7	<0.1	9.86	158	0.10	0.02	<0.05
K293171		5.2	0.19	0.14	<0.05	0.02	0.05	0.021	0.01	7.7	0.2	1.31	751	0.32	0.01	<0.05
K293172		1.2	0.18	0.18	<0.05	0.03	0.01	<0.005	0.04	2.5	0.7	10.75	127	0.23	0.02	<0.05
K293173		59.8	33.6	0.18	0.09	0.05	0.51	0.056	0.02	3.6	0.1	0.26	966	7.95	0.01	<0.05
K293174		1.3	0.21	0.17	<0.05	0.04	0.01	<0.005	0.04	1.6	0.8	10.80	121	0.54	0.02	<0.05
K293175		2.9	7.20	0.13	<0.05	0.02	0.11	<0.005	0.01	1.7	0.3	10.35	1030	2.60	0.02	<0.05
K293176		158.5	4.64	85.4	0.81	<0.02	7.18	1.430	<0.01	0.9	0.1	5.44	3220	8.13	0.01	<0.05
K293177		78.4	3.80	2.32	0.05	<0.02	0.31	0.146	<0.01	3.0	0.1	5.24	4350	11.35	0.01	<0.05
K293178		7.1	0.24	3.10	<0.05	<0.02	0.27	0.046	<0.01	1.1	0.2	7.55	622	0.62	0.02	<0.05
K293179		4.6	0.18	0.18	<0.05	<0.02	0.03	0.006	0.01	0.7	0.3	10.65	865	0.46	0.02	<0.05
K293180		10.4	0.20	0.61	<0.05	<0.02	0.03	0.028	0.01	1.0	0.4	11.00	710	0.83	0.02	<0.05
K293181		4.2	0.17	0.25	<0.05	<0.02	0.03	0.010	0.01	1.1	0.6	11.55	826	0.32	0.03	0.05
K293182		7.2	0.55	0.79	<0.05	<0.02	0.03	0.022	0.01	0.7	0.5	11.70	1240	1.50	0.02	0.06
K293183		8.1	0.37	0.61	<0.05	0.02	0.03	0.012	0.03	3.1	1.2	10.20	752	0.37	0.03	0.18
K293184		8.8	0.09	0.22	<0.05	<0.02	0.03	0.026	0.01	0.3	0.9	11.55	961	0.22	0.02	<0.05
K293185		7.7	0.14	0.61	<0.05	<0.02	0.02	0.070	0.01	0.4	0.9	11.10	816	0.57	0.02	<0.05
K293186		4.9	0.08	0.25	<0.05	<0.02	0.02	0.019	0.01	0.5	0.9	11.05	672	0.27	0.02	<0.05
K293187		8.1	0.23	0.33	<0.05	0.02	0.01	0.017	0.01	0.4	0.8	11.50	454	0.33	0.02	<0.05
K293188		4.6	0.06	0.21	<0.05	<0.02	0.01	0.013	0.01	0.4	1.1	11.90	600	0.23	0.02	<0.05
K293189		4.5	0.06	0.09	<0.05	<0.02	0.01	0.008	0.01	0.5	0.9	11.50	402	0.11	0.02	<0.05
K293190		43.6	0.11	0.10	<0.05	0.04	0.19	0.042	<0.01	0.9	0.6	9.75	234	0.78	0.01	<0.05

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To: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Finalized Date: 17- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17123196

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	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	0.005
K293151		1.1	40	49.6	0.3	<0.001	0.01	0.37	0.1	0.8	<0.2	118.0	<0.01	<0.01	<0.2	<0.005
K293152		2.0	130	415	0.2	<0.001	0.01	2.29	<0.1	1.1	<0.2	102.5	<0.01	0.01	<0.2	<0.005
K293153		18.9	120	>10000	0.3	<0.001	0.18	136.5	0.1	1.3	2.6	29.6	<0.01	0.03	<0.2	<0.005
K293154		1.9	50	735	0.2	<0.001	0.03	1.34	0.1	0.7	<0.2	69.8	<0.01	0.01	<0.2	<0.005
K293155		0.3	30	8350	0.3	<0.001	0.10	0.86	0.1	0.4	<0.2	75.3	<0.01	<0.01	<0.2	<0.005
K293156		648	2820	1915	0.3	0.002	0.08	230	5.5	3.6	1.4	44.2	<0.01	0.11	0.2	<0.005
K293157		19.4	30	47.8	4.9	<0.001	0.01	0.52	0.8	0.4	<0.2	6.1	<0.01	0.01	2.4	<0.005
K293158		4.7	70	14.2	1.4	<0.001	0.05	0.77	1.1	0.4	<0.2	201	<0.01	0.01	0.4	<0.005
K293159		3.2	50	13.6	0.9	<0.001	0.07	0.24	0.7	0.3	<0.2	121.0	<0.01	<0.01	0.3	<0.005
K293160		1.2	80	34.2	0.3	<0.001	0.01	0.24	0.1	0.7	0.2	90.8	<0.01	<0.01	<0.2	<0.005
K293161		4.4	80	13.8	0.2	<0.001	0.06	0.55	0.1	<0.2	<0.2	55.0	<0.01	0.01	<0.2	<0.005
K293162		4.7	30	8.6	1.0	<0.001	0.02	0.24	0.3	<0.2	<0.2	8.3	<0.01	<0.01	0.8	<0.005
K293163		6.0	80	234	0.1	<0.001	0.01	2.60	0.1	1.2	<0.2	81.9	<0.01	<0.01	<0.2	<0.005
K293164		7.3	80	96.9	0.2	<0.001	<0.01	0.83	0.1	5.2	0.6	58.4	<0.01	<0.01	<0.2	<0.005
K293165		36.9	610	36.2	2.5	<0.001	0.02	2.25	0.9	0.6	<0.2	110.0	<0.01	0.02	0.7	<0.005
K293166		2.1	30	139.0	0.1	<0.001	0.06	1.91	0.2	14.9	<0.2	1.7	<0.01	0.04	<0.2	<0.005
K293167		15.7	80	4.3	3.7	<0.001	0.04	0.22	0.8	0.3	0.2	7.4	<0.01	0.02	2.2	<0.005
K293168		19.3	30	758	0.3	<0.001	0.01	4.58	0.1	1.2	1.7	65.3	<0.01	0.01	<0.2	<0.005
K293169		<0.2	10	177.0	0.2	<0.001	0.01	0.22	0.1	0.6	<0.2	116.0	<0.01	<0.01	<0.2	<0.005
K293170		<0.2	110	13.7	0.1	<0.001	<0.01	0.06	0.1	0.3	<0.2	142.0	<0.01	<0.01	<0.2	<0.005
K293171		5.1	50	43.1	0.4	<0.001	<0.01	1.65	0.4	0.6	<0.2	368	<0.01	0.01	<0.2	<0.005
K293172		1.6	180	8.3	1.5	<0.001	0.02	0.08	0.6	0.3	<0.2	145.5	<0.01	<0.01	0.3	<0.005
K293173		3.2	220	142.5	0.7	<0.001	0.07	153.5	0.6	0.9	0.4	24.1	<0.01	<0.01	0.3	<0.005
K293174		1.8	40	2.6	1.5	<0.001	0.01	0.26	0.5	0.4	<0.2	121.0	<0.01	<0.01	0.2	<0.005
K293175		17.3	90	8.3	0.5	0.001	<0.01	1.14	0.2	1.8	<0.2	114.0	<0.01	0.01	<0.2	<0.005
K293176		17.6	430	>10000	0.2	<0.001	0.08	332	0.1	14.3	4.2	46.8	<0.01	0.11	<0.2	<0.005
K293177		24.4	330	1495	0.1	<0.001	<0.01	8.10	0.1	7.5	0.6	55.6	<0.01	0.01	<0.2	<0.005
K293178		4.3	80	8420	0.3	<0.001	0.01	12.45	0.1	0.8	0.2	152.0	<0.01	0.01	<0.2	<0.005
K293179		5.3	40	215	0.3	<0.001	0.01	1.81	0.1	0.4	<0.2	136.0	<0.01	0.01	<0.2	<0.005
K293180		8.2	100	671	0.6	<0.001	0.01	3.01	0.2	0.4	0.2	119.0	<0.01	0.01	<0.2	<0.005
K293181		3.4	120	127.5	0.9	<0.001	0.01	0.86	0.2	0.3	<0.2	109.5	<0.01	<0.01	<0.2	<0.005
K293182		18.7	140	194.0	0.7	<0.001	0.01	7.62	0.3	0.4	0.2	97.1	<0.01	0.03	<0.2	<0.005
K293183		5.6	200	214	2.0	<0.001	0.01	0.79	0.6	0.4	<0.2	113.0	<0.01	0.01	0.7	0.010
K293184		4.7	40	151.0	0.6	<0.001	0.01	0.98	0.2	0.3	<0.2	109.5	<0.01	0.01	<0.2	<0.005
K293185		7.2	60	97.4	0.5	<0.001	0.01	2.01	0.2	0.3	0.4	127.5	<0.01	0.01	<0.2	<0.005
K293186		3.9	40	33.1	0.5	<0.001	0.01	0.82	0.2	0.3	<0.2	125.5	<0.01	<0.01	<0.2	<0.005
K293187		10.3	90	52.4	0.5	<0.001	0.01	2.84	0.3	0.3	<0.2	125.0	<0.01	0.01	<0.2	<0.005
K293188		3.0	70	28.3	0.6	<0.001	0.01	0.67	0.2	0.3	<0.2	111.5	<0.01	<0.01	<0.2	<0.005
K293189		1.8	50	27.7	0.5	<0.001	0.01	0.26	0.3	0.4	<0.2	122.0	<0.01	0.01	<0.2	<0.005
K293190		14.0	350	2410	0.3	<0.001	0.11	3.32	0.7	0.4	<0.2	132.0	<0.01	0.01	<0.2	<0.005

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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17123196

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46	Zn- OG46
	Analyte	Tl	U	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001	0.001
K293151		0.05	0.45	5	0.07	0.57	>10000	<0.5			3.17
K293152		0.04	0.32	4	<0.05	0.61	>10000	<0.5			8.75
K293153		0.08	8.20	5	<0.05	0.48	>10000	0.7	121	17.40	2.70
K293154		0.04	0.34	2	0.28	0.30	>10000	<0.5			4.35
K293155		0.03	0.64	1	<0.05	0.12	6340	<0.5			
K293156		0.16	2.04	808	0.93	30.1	4970	6.5			
K293157		0.02	0.55	5	<0.05	10.40	59	2.7			
K293158		0.07	0.48	4	<0.05	3.45	35	2.0			
K293159		0.05	0.41	2	<0.05	1.39	15	1.7			
K293160		0.20	0.35	2	<0.05	0.29	>10000	<0.5			1.650
K293161		0.04	0.27	4	<0.05	2.40	58	0.7			
K293162		<0.02	0.16	3	<0.05	1.35	99	1.0			
K293163		0.04	0.21	1	<0.05	0.40	>10000	<0.5			2.22
K293164		0.10	0.36	3	<0.05	0.59	>10000	<0.5			8.95
K293165		0.33	1.22	38	<0.05	12.50	507	5.1			
K293166		0.20	3.28	4	<0.05	0.32	>10000	<0.5			>30.0
K293167		0.02	0.70	9	0.05	3.87	349	3.6			
K293168		0.04	0.98	2	<0.05	0.16	>10000	<0.5			5.04
K293169		<0.02	0.22	1	<0.05	0.28	186	<0.5			
K293170		<0.02	0.29	1	<0.05	0.68	74	<0.5			
K293171		0.06	0.94	9	<0.05	5.21	147	1.2			
K293172		0.02	0.48	3	<0.05	1.03	94	1.1			
K293173		11.35	1.38	1	<0.05	4.07	121	3.3			
K293174		0.09	0.32	2	0.18	0.80	12	1.3			
K293175		0.07	1.12	9	<0.05	0.54	8380	0.7			
K293176		0.14	3.71	14	0.08	1.05	>10000	0.6	126	>20.0	8.82
K293177		0.08	0.65	14	<0.05	2.28	>10000	0.7			26.6
K293178		0.03	0.46	19	<0.05	0.96	3180	<0.5			
K293179		0.04	0.24	21	<0.05	0.60	3330	0.5			
K293180		0.04	0.32	91	<0.05	0.81	301	0.5			
K293181		0.04	0.24	22	<0.05	0.77	236	<0.5			
K293182		0.05	0.22	25	<0.05	0.88	338	0.8			
K293183		0.05	0.55	28	0.05	2.01	75	1.1			
K293184		0.04	0.16	28	<0.05	0.37	71	0.6			
K293185		0.04	0.33	18	<0.05	0.48	109	1.0			
K293186		0.03	0.23	7	<0.05	0.52	56	0.5			
K293187		0.04	0.50	14	<0.05	0.72	161	1.6			
K293188		0.03	0.51	7	<0.05	0.65	38	0.5			
K293189		0.02	0.41	6	<0.05	0.76	30	<0.5			
K293190		0.08	1.03	186	<0.05	4.19	253	2.9			

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Finalized Date: 17- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17123196

Sample Description	Method	WEI- 21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
K293191		1.79	0.02	0.01	0.7	<0.02	<10	180	0.07	0.01	22.7	1.27	0.87	1.0	<1	0.07
K293192		1.19	0.02	0.01	0.1	<0.02	<10	330	0.06	0.01	22.1	1.10	0.73	0.9	<1	0.06
K293193		2.88	0.02	0.01	0.5	<0.02	<10	100	0.06	0.01	22.3	1.00	0.52	0.9	<1	0.06
K293194		1.34	0.15	0.03	3.8	<0.02	<10	540	0.15	0.01	24.2	2.15	2.69	1.2	3	0.08
K293195		2.82	0.04	0.02	0.6	<0.02	<10	430	0.07	0.01	23.3	3.02	0.86	1.1	1	0.07
K293196		2.39	0.35	0.02	1.1	<0.02	<10	60	0.05	0.01	21.5	0.93	0.69	0.9	1	<0.05
K293197		1.94	0.09	0.02	0.4	<0.02	<10	60	0.05	0.01	22.3	1.32	0.76	1.0	1	<0.05
K293198		2.54	0.14	0.02	0.8	<0.02	<10	110	<0.05	<0.01	24.9	3.50	1.91	1.1	1	<0.05
K293199		2.13	0.12	0.02	0.3	<0.02	<10	240	<0.05	<0.01	23.2	2.56	1.21	1.0	1	<0.05
K293200		3.46	0.82	0.04	24.2	<0.02	<10	2820	0.47	0.04	15.15	5.88	3.38	2.2	21	<0.05

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Project: Michelle

CERTIFICATE OF ANALYSIS WH17123196

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	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	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	0.05
K293191		3.9	0.05	0.06	<0.05	<0.02	0.07	<0.005	<0.01	0.5	0.6	10.55	258	0.21	0.02	<0.05
K293192		4.7	0.04	0.05	<0.05	<0.02	0.06	<0.005	<0.01	0.4	0.5	10.40	189	0.21	0.02	<0.05
K293193		3.1	0.03	0.05	<0.05	<0.02	0.03	<0.005	<0.01	0.3	0.5	10.70	195	0.14	0.02	<0.05
K293194		15.3	0.40	0.16	<0.05	0.05	0.06	<0.005	0.01	1.6	0.6	5.78	198	1.70	0.01	<0.05
K293195		5.0	0.07	0.08	<0.05	0.02	0.04	<0.005	0.01	0.6	0.6	9.72	158	0.54	0.01	<0.05
K293196		28.2	0.08	0.11	<0.05	<0.02	0.04	<0.005	<0.01	0.4	0.4	10.80	216	2.15	0.01	<0.05
K293197		2.9	0.06	0.10	<0.05	<0.02	0.01	<0.005	<0.01	0.5	0.5	10.90	201	0.31	0.01	<0.05
K293198		2.7	0.07	0.08	<0.05	<0.02	0.01	<0.005	<0.01	1.2	0.4	8.56	190	0.31	0.01	<0.05
K293199		3.3	0.07	0.10	<0.05	<0.02	0.02	<0.005	<0.01	0.8	0.5	10.40	265	0.26	0.01	<0.05
K293200		49.8	1.70	1.01	<0.05	0.13	0.19	0.123	<0.01	2.4	0.3	0.49	411	6.74	<0.01	<0.05

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Finalized Date: 17- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17123196

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	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	0.005
K293191		4.7	40	11.1	0.2	<0.001	<0.01	0.69	0.3	0.3	<0.2	134.5	<0.01	<0.01	<0.2	<0.005
K293192		3.8	40	43.9	0.2	<0.001	0.01	0.54	0.3	0.2	<0.2	126.5	<0.01	<0.01	<0.2	<0.005
K293193		3.1	30	3.2	0.2	<0.001	<0.01	0.37	0.2	0.2	<0.2	145.5	<0.01	0.01	<0.2	<0.005
K293194		28.8	150	31.5	0.5	<0.001	0.01	5.66	0.6	0.4	<0.2	111.5	<0.01	0.01	<0.2	<0.005
K293195		7.9	120	10.7	0.3	<0.001	0.01	0.78	0.4	0.3	<0.2	121.5	<0.01	0.01	<0.2	<0.005
K293196		3.5	80	233	0.2	<0.001	0.01	1.23	0.2	0.4	<0.2	105.0	<0.01	0.01	<0.2	<0.005
K293197		2.7	60	25.6	0.2	<0.001	<0.01	0.85	0.3	0.2	<0.2	115.5	<0.01	<0.01	<0.2	<0.005
K293198		2.9	90	12.4	0.3	<0.001	<0.01	0.61	0.3	0.4	<0.2	142.0	<0.01	<0.01	<0.2	<0.005
K293199		2.7	70	26.8	0.2	<0.001	0.01	0.72	0.3	0.4	<0.2	120.0	<0.01	<0.01	<0.2	<0.005
K293200		114.0	520	293	0.2	0.001	0.06	41.9	1.9	0.8	0.2	186.0	<0.01	0.04	<0.2	<0.005

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Project: Michelle

CERTIFICATE OF ANALYSIS WH17123196

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46	Zn- OG46
	Analyte	Tl	U	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001	0.001
K293191		0.03	0.83	3	<0.05	1.04	31	0.7			
K293192		0.02	0.63	6	<0.05	1.07	24	0.7			
K293193		0.02	0.92	2	<0.05	0.60	25	0.5			
K293194		0.05	0.51	21	<0.05	3.18	187	3.8			
K293195		0.06	0.84	6	<0.05	1.76	71	1.2			
K293196		<0.02	0.50	6	<0.05	0.58	67	0.5			
K293197		<0.02	0.42	5	<0.05	0.57	33	<0.5			
K293198		<0.02	0.58	4	<0.05	1.26	35	0.6			
K293199		<0.02	0.41	6	<0.05	0.94	31	0.5			
K293200		0.04	1.27	126	0.17	9.15	785	9.6			

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Project: Michelle

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CERTIFICATE OF ANALYSIS WH17123196

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 Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 21	PUL- 31
PUL- QC	SPL- 21	WEI- 21	

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

Ag- OG46	ME- MS41	ME- OG46	Pb- OG46
Zn- OG46			

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Finalized Date: 10- JUL- 2017
Account: RANSIL

CERTIFICATE WH17123206

Project: Michelle

This report is for 8 Soil samples submitted to our lab in Whitehorse, YT, Canada on 19- JUN- 2017.

The following have access to data associated with this certificate:

JOAN MARIACHER

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

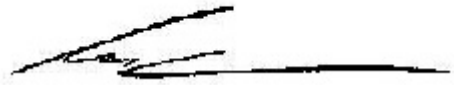
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS41	Ultra Trace Aqua Regia ICP- MS

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: Michelle

CERTIFICATE OF ANALYSIS WH17123206

Sample Description	Method	WEI- 21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
ZZ91401		0.36	0.20	0.25	4.7	<0.02	<10	2650	0.46	0.08	20.6	7.07	16.35	1.4	12	0.53
ZZ91402		0.35	0.05	0.11	1.2	<0.02	<10	520	0.16	0.02	22.1	2.40	4.06	0.7	4	0.27
ZZ91403		0.59	0.04	0.07	1.1	<0.02	<10	570	0.10	0.01	23.1	1.56	1.81	0.5	3	0.17
ZZ91404		0.59	0.04	0.09	1.6	<0.02	<10	1040	0.15	0.01	23.1	2.10	3.03	0.7	3	0.19
ZZ91405		0.47	0.26	0.01	0.5	<0.02	<10	260	<0.05	<0.01	21.9	1.83	0.89	0.2	1	<0.05
ZZ91406		0.39	0.59	0.28	33.8	<0.02	<10	3900	0.88	0.11	15.20	7.39	12.30	4.2	66	0.30
ZZ91407		0.47	0.18	0.01	0.7	<0.02	<10	400	0.05	<0.01	23.8	3.31	2.27	0.3	1	0.05
ZZ91408		0.59	0.18	0.03	1.1	<0.02	<10	120	0.08	0.01	23.8	4.14	1.75	0.4	1	0.11

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CERTIFICATE OF ANALYSIS WH17123206

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	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	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	0.05
ZZ91401		183.0	0.37	0.62	0.07	0.15	0.43	0.518	0.03	13.0	1.8	11.35	1460	2.22	0.01	0.07
ZZ91402		15.1	0.16	0.26	0.06	0.05	0.15	0.011	0.01	3.1	1.0	12.25	421	0.76	0.03	<0.05
ZZ91403		10.0	0.15	0.16	0.06	0.07	0.08	<0.005	0.01	1.5	0.6	11.45	264	0.53	0.02	<0.05
ZZ91404		13.8	0.20	0.24	0.07	0.05	0.10	0.005	0.01	2.2	0.8	11.75	298	1.15	0.02	<0.05
ZZ91405		2.2	0.09	0.08	0.06	<0.02	0.06	<0.005	<0.01	0.6	0.3	11.85	284	0.34	0.02	<0.05
ZZ91406		75.3	3.82	2.77	<0.05	0.13	0.22	0.205	0.02	8.5	1.1	8.10	413	14.25	<0.01	0.21
ZZ91407		3.4	0.08	0.10	0.05	<0.02	0.05	0.012	<0.01	1.6	0.3	12.20	396	0.35	0.02	<0.05
ZZ91408		4.1	0.12	0.11	0.07	0.03	0.03	<0.005	0.01	0.9	0.3	11.50	240	0.68	0.02	<0.05

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

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: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17123206

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	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	0.005
ZZ91401		142.0	1780	3310	2.0	<0.001	0.06	8.31	2.4	1.0	0.9	124.0	<0.01	0.08	1.2	<0.005
ZZ91402		36.6	340	76.4	1.1	<0.001	0.02	1.79	0.9	0.5	<0.2	102.5	<0.01	0.01	0.3	<0.005
ZZ91403		23.2	250	28.5	0.7	<0.001	0.02	2.43	0.6	0.3	<0.2	129.0	<0.01	0.01	0.2	<0.005
ZZ91404		34.7	580	36.9	1.0	<0.001	0.03	2.46	0.7	0.4	<0.2	129.0	<0.01	0.01	0.3	<0.005
ZZ91405		2.7	80	21.8	0.1	<0.001	0.02	0.59	0.2	0.2	<0.2	79.4	<0.01	<0.01	<0.2	<0.005
ZZ91406		313	2160	406	1.1	0.001	0.08	69.5	5.4	1.5	0.7	99.1	<0.01	0.10	1.0	<0.005
ZZ91407		6.2	100	49.7	0.1	<0.001	0.02	1.43	0.3	0.3	<0.2	112.0	<0.01	<0.01	<0.2	<0.005
ZZ91408		15.6	400	23.3	0.6	<0.001	0.01	1.57	0.3	0.6	<0.2	98.4	<0.01	<0.01	0.3	<0.005

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17123206

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5
ZZ91401		0.71	2.50	574	0.07	37.2	909	12.6
ZZ91402		0.18	0.68	22	<0.05	10.95	140	3.3
ZZ91403		0.10	0.84	18	<0.05	5.97	109	3.5
ZZ91404		0.15	1.00	22	<0.05	6.43	159	3.3
ZZ91405		<0.02	0.24	4	<0.05	0.94	34	<0.5
ZZ91406		0.14	2.21	222	0.41	23.2	1860	13.2
ZZ91407		0.02	0.26	6	<0.05	2.84	46	0.7
ZZ91408		0.07	1.36	7	<0.05	1.03	105	1.5

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Michelle

Finalized Date: 10- JUL- 2017
Account: RANSIL

CERTIFICATE OF ANALYSIS WH17123206

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 Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
ME- MS41

ALS Canada Ltd.

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C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- JUL- 2017
Account: RANSIL

CERTIFICATE WH17133808

Project: Michelle

This report is for 3 Soil samples submitted to our lab in Whitehorse, YT, Canada on 1- JUL- 2017.

The following have access to data associated with this certificate:

JOAN MARIACHER

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

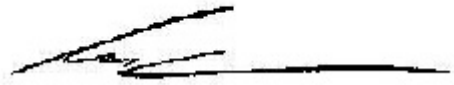
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS41	Ultra Trace Aqua Regia ICP- MS

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17133808

Sample Description	Method	WEI- 21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
ZZ91409		0.29	0.56	0.07	9.7	<0.02	<10	120	0.21	0.21	17.45	2.58	4.07	1.2	4	0.20
ZZ91410		0.43	0.97	0.04	19.2	<0.02	<10	160	0.39	0.37	14.80	5.53	5.77	1.2	6	0.13
ZZ91411		0.41	0.19	0.33	13.3	<0.02	10	140	0.08	0.18	0.02	0.02	13.65	1.5	26	3.32

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

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Finalized Date: 11- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17133808

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	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	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	0.05
ZZ91409		22.8	3.14	0.33	0.09	0.02	0.07	0.019	0.01	2.3	0.9	10.10	1000	4.61	0.02	0.07
ZZ91410		65.7	8.62	0.40	0.11	0.07	0.19	0.037	0.01	3.6	0.6	8.68	1430	8.65	0.02	<0.05
ZZ91411		18.9	9.73	5.43	0.12	0.02	0.03	0.035	0.54	5.9	0.9	0.03	43	0.40	0.01	0.19

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Finalized Date: 11- JUL- 2017
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Project: Michelle

CERTIFICATE OF ANALYSIS WH17133808

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	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	0.005
ZZ91409		12.5	320	389	0.7	<0.001	0.01	3.35	0.6	0.8	<0.2	108.5	<0.01	0.02	0.3	<0.005
ZZ91410		23.3	690	841	0.5	<0.001	<0.01	6.92	0.8	2.1	<0.2	84.3	<0.01	0.03	0.2	<0.005
ZZ91411		2.6	690	48.7	20.1	<0.001	0.91	1.21	3.9	0.4	0.4	6.1	<0.01	0.02	2.4	0.008

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Finalized Date: 11- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17133808

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5
ZZ91409		0.18	0.80	24	<0.05	3.42	1900	2.1
ZZ91410		0.20	1.62	49	0.05	6.96	4940	7.2
ZZ91411		0.19	0.19	31	0.05	1.24	24	1.6

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Michelle

Finalized Date: 11- JUL- 2017
Account: RANSIL

CERTIFICATE OF ANALYSIS WH17133808

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 Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
ME- MS41

ALS Canada Ltd.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- JUL- 2017
Account: RANSIL

CERTIFICATE WH17133879

Project: Michelle

This report is for 31 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1- JUL- 2017.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
CRU- QC	Crushing QC Test
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag- OG46	Ore Grade Ag - Aqua Regia	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Pb- OG46	Ore Grade Pb - Aqua Regia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	ICP- AES
ME- MS41	Ultra Trace Aqua Regia ICP- MS	

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 30- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17133879

Sample Description	Method	WEI- 21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
K293239		0.97	0.58	0.14	9.5	<0.02	<10	220	0.15	0.44	18.30	11.95	5.79	3.1	4	0.28
K293240		0.72	1.06	0.04	27.9	<0.02	<10	2400	0.26	4.51	8.70	72.8	11.60	5.1	5	0.15
K293241		0.97	0.43	0.07	3.5	<0.02	<10	80	0.20	0.02	17.90	20.3	6.43	1.2	4	0.06
K293242		0.72	0.06	0.01	2.9	<0.02	<10	50	<0.05	0.01	17.40	40.4	0.79	0.4	<1	<0.05
K293243		0.55	>100	0.05	71.7	<0.02	<10	30	0.10	203	0.12	6.07	2.13	0.3	2	0.05
K293244		1.23	0.38	0.02	2.3	<0.02	<10	50	0.05	0.29	14.25	5.55	1.58	0.5	2	0.05
K293245		2.64	5.63	0.04	7.5	<0.02	<10	190	0.09	5.86	16.35	2.95	1.93	0.8	2	0.08
K293246		2.43	2.33	0.05	4.5	<0.02	<10	80	0.10	0.03	19.50	4.74	3.09	0.9	3	0.11
K293247		2.77	1.18	0.02	2.4	<0.02	<10	40	0.07	0.37	15.60	0.91	0.96	0.5	5	<0.05
K293248		3.16	1.16	0.02	1.8	<0.02	<10	60	0.09	0.01	18.35	1.33	1.43	0.5	2	0.07
K293249		3.18	0.85	0.04	5.1	<0.02	<10	90	0.12	0.06	19.50	2.52	2.54	0.8	2	0.10
K293250		3.12	0.60	0.04	3.2	<0.02	<10	110	0.10	0.01	20.3	1.29	3.06	0.7	4	0.13
K293251		0.94	0.58	0.11	4.5	<0.02	<10	90	0.21	0.03	16.75	27.6	5.94	1.3	5	0.12
K293252		0.88	0.18	0.03	8.2	<0.02	<10	50	0.06	0.87	19.75	0.16	2.04	1.1	2	0.13
K293253		0.76	0.41	0.04	7.8	<0.02	<10	70	0.14	0.03	14.45	87.1	3.16	0.8	2	0.05
K293254		1.01	1.55	0.03	22.0	<0.02	<10	50	0.20	0.05	1.14	567	16.55	5.1	<1	<0.05
K293255		0.80	0.36	0.02	7.1	<0.02	<10	70	0.09	0.09	17.85	29.5	0.79	0.5	1	0.05
K293256		1.84	0.11	0.01	3.0	<0.02	<10	60	0.09	0.04	20.1	17.50	2.67	0.7	<1	0.14
K293257		1.73	0.07	0.01	2.4	<0.02	<10	60	0.08	0.07	19.95	0.51	1.11	0.6	<1	0.15
K293258		1.55	0.07	0.02	2.8	<0.02	<10	40	0.08	0.07	20.9	1.47	0.90	0.7	1	0.15
K293259		0.92	>100	0.05	215	<0.02	<10	20	<0.05	251	0.41	4.12	1.78	0.2	<1	0.09
K293260		0.71	10.75	0.04	282	0.02	<10	20	0.12	4.94	0.46	8.40	1.90	1.5	1	<0.05
K293261		2.29	5.53	0.01	8.1	<0.02	<10	100	0.08	7.04	17.90	0.48	1.30	0.5	3	0.09
K293262		2.08	1.91	0.02	14.6	<0.02	<10	260	0.15	0.59	19.30	2.89	2.15	0.9	2	0.08
K293263		2.61	1.10	0.01	3.0	<0.02	<10	160	0.09	0.64	21.9	1.21	1.17	0.7	1	0.09
K293264		2.49	0.42	0.01	5.3	<0.02	<10	160	0.10	0.34	20.7	0.59	1.53	0.7	1	0.10
K293265		2.44	1.24	0.02	6.8	<0.02	<10	330	0.12	0.79	19.90	1.61	2.95	0.9	1	0.07
K293266		2.31	0.15	0.01	1.6	<0.02	<10	70	0.05	0.09	14.20	0.24	0.82	0.4	3	0.05
K293267		2.45	0.42	0.01	1.9	<0.02	<10	80	0.06	0.19	16.00	0.40	0.84	0.5	1	0.05
K293268		2.58	0.25	0.01	2.8	<0.02	<10	80	0.07	0.08	16.05	0.67	0.67	0.6	1	0.06
K293269		3.13	0.27	0.01	1.6	<0.02	10	50	0.05	0.12	11.10	0.10	0.75	0.2	3	0.11

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

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To: **SILVER RANGE RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17133879

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	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	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	0.05
K293239		5.0	3.94	0.39	0.05	0.06	0.04	0.041	0.10	3.3	1.7	10.25	2330	1.60	0.03	<0.05
K293240		18.6	25.2	0.42	0.14	0.08	0.27	0.029	0.01	8.4	0.4	4.59	5490	9.34	<0.01	<0.05
K293241		54.4	5.78	0.52	0.06	0.05	0.08	0.007	0.02	4.0	1.0	10.40	1080	0.85	0.01	<0.05
K293242		3.6	4.59	0.08	0.05	<0.02	0.02	<0.005	<0.01	0.7	0.6	10.50	644	0.46	0.01	<0.05
K293243		415	49.5	86.0	0.61	0.04	4.45	4.07	0.01	2.1	0.4	0.08	307	15.25	0.01	<0.05
K293244		3.4	3.55	0.35	0.05	<0.02	0.03	0.013	0.01	1.1	0.6	8.17	549	1.26	0.01	<0.05
K293245		17.2	2.07	2.73	<0.05	0.02	0.26	0.128	0.01	1.3	0.8	6.28	510	1.19	0.01	<0.05
K293246		5.4	0.69	0.22	0.07	0.05	0.09	<0.005	0.02	2.0	0.9	6.49	522	0.66	0.01	<0.05
K293247		3.0	0.26	0.29	0.12	<0.02	0.04	0.009	<0.01	0.6	0.6	7.68	194	0.40	0.02	<0.05
K293248		2.4	0.17	0.12	0.13	<0.02	0.04	<0.005	0.01	0.8	0.7	9.46	232	0.43	0.02	<0.05
K293249		4.5	0.57	0.24	0.10	0.03	0.07	<0.005	0.02	1.4	1.0	10.15	313	0.84	0.02	<0.05
K293250		3.5	0.29	0.23	0.12	0.03	0.06	<0.005	0.02	1.6	1.3	10.65	305	0.89	0.03	<0.05
K293251		65.0	6.83	2.30	0.06	0.07	0.08	0.106	0.04	3.8	1.4	9.62	1040	1.11	0.01	<0.05
K293252		2.2	0.90	0.15	0.07	0.03	0.01	0.023	0.02	1.3	1.1	9.91	2130	1.74	0.03	<0.05
K293253		55.5	3.24	0.43	0.05	0.02	0.44	0.009	0.01	1.9	0.8	8.58	1200	3.57	0.01	<0.05
K293254		74.5	15.00	0.39	0.24	0.02	1.38	0.019	0.01	11.1	0.6	0.55	3750	14.90	<0.01	<0.05
K293255		4.9	3.37	0.12	0.05	<0.02	0.25	<0.005	<0.01	0.7	0.9	10.65	892	0.97	0.02	<0.05
K293256		4.0	1.21	0.09	0.05	<0.02	0.05	0.070	0.01	2.0	0.9	10.35	3320	1.06	0.03	<0.05
K293257		2.0	0.77	0.10	0.08	<0.02	0.01	0.037	0.01	0.9	0.9	11.15	2880	1.18	0.03	<0.05
K293258		2.1	0.22	0.13	0.13	<0.02	0.01	0.007	0.01	0.6	1.0	10.80	614	0.90	0.03	<0.05
K293259		221	47.2	50.4	0.62	0.04	5.59	2.93	0.02	2.0	0.4	0.22	304	9.83	0.01	<0.05
K293260		91.9	48.0	5.82	0.35	0.02	0.53	0.331	<0.01	2.0	0.3	0.22	1370	7.00	0.01	<0.05
K293261		8.7	1.82	1.04	0.05	<0.02	0.25	0.079	0.01	0.9	0.8	9.56	2260	0.87	0.02	<0.05
K293262		7.5	2.07	0.29	0.05	<0.02	0.13	0.028	0.01	1.6	1.0	10.10	2530	1.44	0.02	<0.05
K293263		3.8	0.55	0.17	0.11	<0.02	0.08	0.011	<0.01	0.8	0.8	11.30	1260	0.68	0.02	<0.05
K293264		3.5	0.77	0.13	0.09	<0.02	0.03	0.012	0.01	1.0	0.9	10.30	1560	0.83	0.02	<0.05
K293265		6.2	1.18	0.19	0.06	<0.02	0.12	0.020	<0.01	2.1	0.9	10.40	2930	1.20	0.02	<0.05
K293266		1.7	0.25	0.11	0.12	<0.02	0.02	<0.005	<0.01	0.6	0.6	7.33	782	0.31	0.02	<0.05
K293267		3.3	0.28	0.14	0.13	<0.02	0.03	0.005	<0.01	0.6	0.6	9.37	704	0.44	0.02	<0.05
K293268		2.9	0.35	0.14	0.10	<0.02	0.02	0.005	<0.01	0.4	0.7	8.38	862	0.51	0.02	<0.05
K293269		1.1	0.30	0.07	<0.05	<0.02	0.01	0.006	<0.01	0.5	1.0	6.06	947	0.34	0.01	<0.05

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

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To: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17133879

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	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	0.005
K293239		9.4	90	26.6	3.7	<0.001	0.02	0.88	2.6	1.1	<0.2	112.0	<0.01	<0.01	0.6	<0.005
K293240		30.8	170	906	0.8	0.001	0.04	6.11	1.3	3.6	<0.2	63.4	<0.01	0.04	0.3	<0.005
K293241		6.4	80	18.4	1.0	0.001	<0.01	1.85	1.3	0.9	<0.2	114.0	<0.01	<0.01	0.2	<0.005
K293242		0.4	60	73.8	0.1	<0.001	<0.01	0.28	0.1	0.7	<0.2	81.9	<0.01	<0.01	<0.2	<0.005
K293243		3.2	50	>10000	0.6	0.001	0.22	12.30	0.9	18.6	5.2	8.7	<0.01	0.13	0.2	<0.005
K293244		2.3	20	101.5	0.3	<0.001	<0.01	0.39	0.3	0.5	<0.2	80.3	<0.01	<0.01	<0.2	<0.005
K293245		5.1	80	1515	0.7	<0.001	0.01	1.99	0.5	1.0	0.2	140.0	<0.01	0.01	<0.2	<0.005
K293246		5.6	100	92.1	1.1	<0.001	<0.01	1.67	0.7	0.6	<0.2	174.5	<0.01	<0.01	0.2	<0.005
K293247		1.4	30	122.5	0.3	0.001	<0.01	0.41	0.2	0.5	<0.2	112.5	<0.01	<0.01	<0.2	<0.005
K293248		1.2	30	48.5	0.4	<0.001	<0.01	0.47	0.3	0.6	<0.2	139.0	<0.01	0.01	<0.2	<0.005
K293249		2.5	50	124.0	0.9	<0.001	<0.01	1.19	0.7	0.7	<0.2	166.0	<0.01	<0.01	0.2	<0.005
K293250		2.2	40	71.5	1.0	<0.001	0.01	0.78	0.9	0.7	<0.2	182.0	<0.01	<0.01	0.2	<0.005
K293251		6.8	80	34.3	1.8	0.001	<0.01	2.46	1.6	1.6	<0.2	110.5	<0.01	<0.01	0.3	<0.005
K293252		3.3	20	21.2	1.1	<0.001	0.01	0.62	0.5	0.5	<0.2	168.5	<0.01	<0.01	<0.2	<0.005
K293253		3.3	70	447	0.5	<0.001	<0.01	4.74	0.8	1.5	<0.2	80.3	<0.01	0.01	<0.2	<0.005
K293254		56.0	460	2270	0.3	<0.001	<0.01	1.93	0.6	8.7	<0.2	8.8	<0.01	0.01	<0.2	<0.005
K293255		1.1	110	120.5	0.2	<0.001	<0.01	1.15	0.1	2.4	<0.2	92.6	<0.01	0.01	<0.2	<0.005
K293256		2.2	30	85.1	0.4	<0.001	<0.01	0.22	0.1	0.8	<0.2	148.0	<0.01	<0.01	<0.2	<0.005
K293257		0.5	10	10.0	0.5	<0.001	<0.01	0.23	0.1	0.7	<0.2	135.5	<0.01	<0.01	<0.2	<0.005
K293258		1.7	10	13.4	0.6	<0.001	<0.01	0.28	0.2	0.6	<0.2	165.0	<0.01	<0.01	<0.2	<0.005
K293259		1.5	60	>10000	0.8	<0.001	1.19	243	0.5	7.1	3.5	25.7	<0.01	0.09	<0.2	<0.005
K293260		4.1	320	2730	0.2	0.001	0.08	7.88	0.7	0.8	<0.2	4.3	<0.01	0.01	<0.2	<0.005
K293261		1.1	30	3570	0.4	<0.001	0.04	8.47	0.2	0.8	<0.2	103.5	<0.01	<0.01	<0.2	<0.005
K293262		3.6	60	145.0	0.4	<0.001	<0.01	0.96	0.3	0.8	<0.2	123.0	<0.01	0.01	<0.2	<0.005
K293263		2.1	40	300	0.3	<0.001	0.01	0.95	0.1	0.7	<0.2	144.0	<0.01	<0.01	<0.2	<0.005
K293264		2.4	30	23.7	0.3	<0.001	<0.01	0.61	0.1	0.8	<0.2	146.0	<0.01	0.01	<0.2	<0.005
K293265		4.9	70	154.5	0.3	<0.001	0.01	1.38	0.2	0.7	<0.2	131.5	<0.01	0.01	<0.2	<0.005
K293266		0.9	20	8.5	0.2	<0.001	<0.01	0.20	0.1	0.4	<0.2	81.8	<0.01	<0.01	<0.2	<0.005
K293267		1.6	30	57.2	0.2	<0.001	<0.01	0.40	0.1	0.5	<0.2	63.5	<0.01	<0.01	<0.2	<0.005
K293268		2.4	40	13.8	0.2	<0.001	<0.01	0.55	0.1	0.5	<0.2	59.7	<0.01	<0.01	<0.2	<0.005
K293269		0.7	10	26.8	0.7	<0.001	<0.01	0.25	0.1	<0.2	<0.2	54.7	<0.01	<0.01	<0.2	<0.005

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

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To: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17133879

Sample Description	Method Analyte Units LOR	ME- MS41 Tl ppm 0.02	ME- MS41 U ppm 0.05	ME- MS41 V ppm 1	ME- MS41 W ppm 0.05	ME- MS41 Y ppm 0.05	ME- MS41 Zn ppm 2	ME- MS41 Zr ppm 0.5	Ag- OG46 Ag ppm 1	Pb- OG46 Pb % 0.001	Zn- OG46 Zn % 0.001
K293239		0.23	0.99	3	<0.05	1.76	6680	2.8			
K293240		1.13	7.25	13	0.20	4.43	>10000	5.3			4.93
K293241		0.13	1.32	3	<0.05	2.08	9340	2.9			
K293242		0.03	1.59	1	<0.05	0.38	>10000	<0.5			1.280
K293243		0.05	8.72	9	0.21	0.39	>10000	1.8	112	4.14	2.29
K293244		0.05	0.57	1	<0.05	0.62	6590	0.6			
K293245		0.10	1.12	7	<0.05	0.73	1180	1.1			
K293246		0.08	1.02	8	<0.05	1.14	639	1.9			
K293247		0.02	0.79	4	<0.05	0.70	186	<0.5			
K293248		0.02	0.64	5	<0.05	0.79	153	0.5			
K293249		0.05	0.75	5	<0.05	1.16	417	1.2			
K293250		0.04	0.66	5	<0.05	1.29	269	1.2			
K293251		0.18	1.72	4	<0.05	1.97	10000	3.0			1.030
K293252		0.03	0.54	3	<0.05	0.49	53	1.0			
K293253		0.09	0.67	9	<0.05	1.40	>10000	1.5			5.96
K293254		1.05	4.63	8	0.06	5.61	>10000	1.2			>30.0
K293255		0.03	4.82	2	0.05	0.25	6030	0.6			
K293256		0.06	0.72	2	<0.05	0.49	8930	<0.5			
K293257		0.03	0.46	1	<0.05	0.13	194	<0.5			
K293258		0.06	1.05	3	<0.05	0.35	786	0.5			
K293259		1.26	8.02	8	0.06	0.23	>10000	1.5	172	10.60	1.105
K293260		0.06	25.4	21	0.07	0.77	>10000	1.1			1.940
K293261		0.10	0.55	2	<0.05	0.47	424	<0.5			
K293262		0.31	1.08	3	<0.05	1.21	1140	0.6			
K293263		0.13	0.43	2	<0.05	0.64	361	<0.5			
K293264		0.11	0.61	2	<0.05	0.70	444	<0.5			
K293265		0.35	0.44	3	<0.05	1.07	741	0.5			
K293266		0.05	0.54	2	<0.05	0.37	178	<0.5			
K293267		0.09	0.57	2	<0.05	0.43	168	<0.5			
K293268		0.13	0.57	3	<0.05	0.39	216	<0.5			
K293269		0.04	0.28	2	<0.05	0.29	83	<0.5			

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Michelle

Finalized Date: 30- JUL- 2017
Account: RANSIL

CERTIFICATE OF ANALYSIS WH17133879

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 Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 21	PUL- 31
PUL- QC	SPL- 21	WEI- 21	

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

Ag- OG46	ME- MS41	ME- OG46	Pb- OG46
Zn- OG46			

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Finalized Date: 10- AUG- 2017
Account: RANSIL

CERTIFICATE WH17133881

Project: Michelle

This report is for 7 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1- JUL- 2017.

The following have access to data associated with this certificate:

JOAN MARIACHER	JACK MORTON	

SAMPLE PREPARATION

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

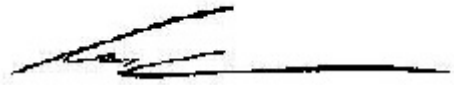
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS41	Ultra Trace Aqua Regia ICP- MS

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 10- AUG- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17133881

Sample Description	Method	WEI- 21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
K293201		2.55	0.09	0.04	1.9	<0.02	<10	100	<0.05	0.02	22.8	0.49	1.59	0.6	2	0.08
K293202		2.65	0.07	0.03	1.3	<0.02	<10	60	0.06	0.01	21.1	0.75	1.17	0.5	1	<0.05
K293203		2.81	0.07	0.03	1.0	<0.02	<10	70	<0.05	0.01	23.5	1.11	1.70	0.5	1	0.05
K293204		2.34	0.07	0.03	0.6	<0.02	<10	70	0.05	<0.01	22.6	1.93	0.93	0.5	1	<0.05
K293205		2.46	0.17	0.04	0.5	<0.02	<10	160	0.06	0.01	>25.0	6.80	1.57	0.5	1	0.08
K293206		2.05	0.08	0.02	0.4	<0.02	<10	70	<0.05	<0.01	22.6	2.03	1.08	0.4	1	<0.05
K293207		2.24	0.07	0.01	0.3	<0.02	<10	70	<0.05	<0.01	23.7	1.47	1.36	0.4	<1	<0.05

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Project: Michelle

CERTIFICATE OF ANALYSIS WH17133881

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	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	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	0.05
K293201		2.5	0.08	0.15	0.12	0.02	0.01	<0.005	0.01	1.0	0.7	9.40	191	0.45	0.02	0.06
K293202		2.7	0.07	0.12	0.10	<0.02	0.02	<0.005	0.01	0.7	0.5	10.40	193	0.45	0.01	<0.05
K293203		2.2	0.09	0.15	0.08	<0.02	0.01	<0.005	0.01	1.1	0.3	8.74	218	0.33	0.02	0.06
K293204		2.8	0.08	0.10	0.12	<0.02	0.01	<0.005	<0.01	0.6	0.4	10.10	239	0.36	0.01	<0.05
K293205		3.9	0.04	0.11	0.12	0.03	0.02	<0.005	0.01	1.2	0.4	7.76	206	0.31	0.01	<0.05
K293206		3.0	0.06	0.09	0.12	<0.02	0.01	<0.005	0.01	0.7	0.4	10.00	247	0.24	0.01	<0.05
K293207		3.0	0.05	0.06	0.12	<0.02	0.01	<0.005	<0.01	0.9	0.3	9.28	200	0.25	0.01	<0.05

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

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To: **SILVER RANGE RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- AUG- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17133881

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	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	0.005
K293201		2.0	150	25.9	0.6	<0.001	0.02	0.79	0.3	1.1	0.5	153.0	<0.01	0.02	0.2	<0.005
K293202		1.4	120	27.5	0.4	<0.001	0.01	0.47	0.2	0.9	0.2	108.0	<0.01	0.02	<0.2	<0.005
K293203		2.6	60	10.9	0.4	<0.001	0.01	0.61	0.2	0.3	0.2	167.5	<0.01	<0.01	<0.2	<0.005
K293204		4.2	80	11.0	0.3	<0.001	0.01	0.69	0.2	1.1	<0.2	114.0	<0.01	0.02	<0.2	<0.005
K293205		9.5	390	24.3	0.6	<0.001	0.01	0.53	0.4	1.2	<0.2	138.5	<0.01	0.02	0.3	<0.005
K293206		5.7	130	12.1	0.3	<0.001	0.01	0.46	0.2	1.0	<0.2	143.0	<0.01	0.02	<0.2	<0.005
K293207		4.0	50	8.8	0.1	<0.001	0.01	0.70	0.1	1.0	<0.2	123.5	<0.01	0.02	<0.2	<0.005

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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5
K293201		<0.02	0.93	8	<0.05	0.91	67	0.7
K293202		<0.02	0.81	5	<0.05	0.68	44	0.6
K293203		<0.02	0.37	4	<0.05	0.90	42	0.5
K293204		0.02	0.49	4	<0.05	0.65	55	0.6
K293205		0.07	1.28	3	<0.05	1.81	209	1.1
K293206		0.02	0.72	4	<0.05	0.94	44	0.5
K293207		<0.02	0.32	4	<0.05	0.97	40	<0.5

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CERTIFICATE OF ANALYSIS WH17133881

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 Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 21	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
ME- MS41

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Finalized Date: 8- AUG- 2017
Account: RANSIL

CERTIFICATE WH17133890

Project: Michelle

This report is for 31 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1- JUL- 2017.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
CRU- QC	Crushing QC Test
LOG- 21	Sample logging - ClientBarCode
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

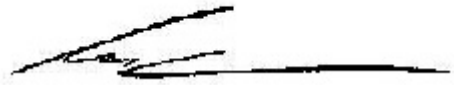
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Pb- OG46	Ore Grade Pb - Aqua Regia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	ICP- AES
ME- MS41	Ultra Trace Aqua Regia ICP- MS	

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

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

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

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH17133890

Sample Description	Method	WEI- 21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
K293208		0.57	0.41	0.10	62.4	<0.02	<10	460	0.40	0.03	0.51	52.7	24.7	1.7	8	0.15
K293209		1.15	2.59	0.01	2.9	<0.02	<10	380	<0.05	0.08	13.40	20.5	0.29	0.2	2	<0.05
K293210		1.10	0.29	0.09	19.2	<0.02	<10	1870	0.34	0.02	>25.0	19.40	3.76	6.8	6	0.06
K293211		1.05	1.27	0.08	3.5	<0.02	<10	90	0.08	0.01	17.65	173.5	1.78	0.4	1	0.16
K293212		1.15	0.57	0.02	6.0	<0.02	<10	90	0.05	0.50	18.70	80.3	0.60	0.4	<1	0.05
K293213		0.98	41.8	0.03	6.7	<0.02	<10	60	<0.05	0.01	0.74	>1000	0.73	0.3	<1	<0.05
K293214		0.98	49.1	0.13	89.1	<0.02	<10	110	0.05	0.06	0.49	103.5	1.13	0.5	1	0.08
K293215		0.95	3.58	0.02	3.9	<0.02	<10	410	<0.05	0.01	17.25	128.5	0.99	0.5	<1	0.09
K293216		2.00	15.85	0.04	6.0	<0.02	<10	1370	<0.05	0.08	10.10	244	0.62	0.4	<1	0.05
K293217		2.03	28.7	0.05	11.3	<0.02	<10	1900	<0.05	0.08	9.83	115.0	0.75	0.4	<1	0.05
K293218		1.86	10.15	0.02	7.2	<0.02	<10	2390	<0.05	0.04	18.40	62.9	0.44	0.5	<1	<0.05
K293219		1.78	17.95	0.05	4.6	<0.02	<10	1510	0.05	0.05	15.75	67.3	0.97	0.5	1	0.06
K293220		1.94	3.84	0.03	5.0	<0.02	<10	1080	0.05	0.02	16.70	111.5	0.79	0.5	1	0.06
K293221		1.82	57.3	0.09	8.1	<0.02	<10	780	0.05	0.11	1.80	28.5	1.05	0.4	4	0.07
K293222		2.77	48.8	0.03	10.1	<0.02	<10	900	<0.05	0.07	0.64	13.90	0.36	0.1	1	<0.05
K293223		1.97	64.8	0.13	45.2	<0.02	<10	670	0.06	0.10	0.81	16.05	1.28	0.5	2	0.09
K293224		1.85	64.7	0.11	53.9	<0.02	<10	490	0.05	0.08	0.75	32.5	1.09	0.4	2	0.09
K293225		2.39	5.03	0.04	2.7	<0.02	<10	1190	0.05	0.02	17.40	51.0	0.64	0.5	1	0.08
K293226		2.50	2.81	0.06	2.2	<0.02	<10	980	0.05	0.02	17.15	72.8	0.97	0.7	1	0.09
K293227		2.88	0.66	0.04	1.5	<0.02	<10	710	<0.05	0.02	19.85	13.40	0.76	0.6	1	0.09
K293228		1.96	0.51	0.02	1.4	<0.02	<10	940	<0.05	<0.01	18.30	60.6	0.39	0.6	<1	0.06
K293229		2.14	2.72	0.06	1.8	<0.02	<10	1720	<0.05	0.01	18.70	59.9	0.96	0.7	1	0.10
K293230		1.22	0.38	0.02	1.3	<0.02	<10	440	<0.05	<0.01	19.65	2.22	0.58	0.6	1	0.07
K293231		2.10	0.22	0.03	0.7	<0.02	<10	480	0.05	<0.01	21.2	2.40	0.80	0.7	1	0.08
K293232		1.53	0.09	0.02	0.5	<0.02	<10	130	0.05	<0.01	21.8	0.27	0.61	0.6	<1	0.06
K293233		1.88	0.09	0.02	0.1	<0.02	<10	150	<0.05	<0.01	22.2	0.46	0.45	0.6	<1	0.06
K293234		2.57	0.03	0.02	0.6	<0.02	<10	190	<0.05	<0.01	23.9	0.17	0.71	0.4	<1	<0.05
K293235		1.87	0.03	0.02	0.4	<0.02	<10	180	<0.05	<0.01	23.1	0.33	0.57	0.4	<1	<0.05
K293236		1.65	0.02	0.02	0.3	<0.02	<10	200	<0.05	<0.01	22.5	0.18	0.78	0.4	1	<0.05
K293237		0.40	1.61	0.02	2.4	<0.02	<10	50	0.06	0.01	16.90	209	1.74	0.5	<1	0.06
K293238		0.61	0.05	0.02	1.9	<0.02	<10	110	<0.05	<0.01	19.75	7.48	0.96	0.7	1	0.07

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Project: Michelle

CERTIFICATE OF ANALYSIS WH17133890

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	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	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	0.05
K293208		430	49.6	2.90	0.34	0.04	1.84	0.119	0.01	17.3	0.2	0.25	4510	21.0	0.01	0.06
K293209		5.1	0.25	0.98	0.05	<0.02	0.83	0.009	<0.01	0.2	0.2	7.86	374	0.39	0.01	<0.05
K293210		42.8	3.36	0.33	0.05	0.07	0.14	0.007	0.02	2.4	0.3	3.96	682	6.57	<0.01	0.05
K293211		22.5	0.82	1.30	0.05	0.04	1.28	1.400	0.03	0.9	1.7	9.50	359	1.20	0.02	<0.05
K293212		43.6	1.08	13.60	0.06	<0.02	1.30	0.908	<0.01	0.3	0.3	10.65	690	1.44	0.01	<0.05
K293213		745	2.71	27.9	0.66	<0.02	2.33	0.437	<0.01	0.4	0.6	0.41	2060	3.50	<0.01	<0.05
K293214		496	40.6	68.1	31.1	0.03	3.12	5.70	0.01	0.7	0.6	0.23	258	33.6	0.01	<0.05
K293215		63.4	1.06	2.17	<0.05	<0.02	0.31	0.154	<0.01	0.7	0.5	10.15	1030	2.90	0.01	0.07
K293216		40.3	10.90	12.15	0.35	<0.02	17.45	0.840	<0.01	0.4	0.6	6.07	3160	8.33	0.01	0.10
K293217		76.4	19.75	16.90	0.92	<0.02	15.40	0.771	<0.01	0.5	0.4	5.09	1510	10.35	<0.01	0.10
K293218		7.4	1.09	2.08	<0.05	<0.02	6.83	0.084	<0.01	0.3	0.5	9.87	1130	1.26	0.01	0.08
K293219		24.3	6.04	6.25	0.12	<0.02	4.33	0.132	<0.01	0.9	0.5	8.41	755	6.44	<0.01	0.09
K293220		15.4	2.27	2.17	<0.05	<0.02	2.92	0.058	<0.01	0.6	0.5	9.19	1460	6.65	0.01	0.09
K293221		184.5	30.3	20.0	3.08	0.03	37.0	0.710	0.01	0.7	0.7	0.89	743	28.2	0.01	0.12
K293222		173.5	39.4	16.50	2.56	<0.02	23.9	0.627	<0.01	0.3	0.2	0.20	449	19.20	0.01	0.09
K293223		74.0	37.3	18.50	1.67	0.02	23.2	0.525	0.02	0.8	1.0	0.42	677	25.1	0.01	0.16
K293224		68.9	38.0	22.6	1.60	0.02	24.7	0.522	0.01	0.7	0.9	0.38	739	21.6	0.01	0.16
K293225		9.2	1.59	1.46	<0.05	<0.02	2.69	0.044	<0.01	0.4	0.6	9.87	966	2.56	0.02	0.09
K293226		9.5	1.37	0.94	<0.05	<0.02	1.45	0.024	0.01	0.6	0.8	9.92	871	3.18	0.02	0.11
K293227		3.4	0.31	0.34	<0.05	<0.02	0.40	0.007	<0.01	0.5	0.6	10.95	583	1.03	0.02	0.10
K293228		4.3	0.29	0.22	<0.05	<0.02	0.30	0.006	<0.01	0.3	0.4	10.55	963	1.59	0.02	0.08
K293229		8.6	0.73	0.82	<0.05	<0.02	1.60	0.021	0.01	0.6	0.7	10.45	986	2.75	<0.01	0.12
K293230		2.4	0.20	0.19	<0.05	<0.02	0.15	0.005	<0.01	0.4	0.5	10.45	465	0.73	0.02	0.10
K293231		2.2	0.13	0.17	<0.05	<0.02	0.11	<0.005	<0.01	0.5	0.5	10.45	415	0.43	0.02	0.09
K293232		1.6	0.09	0.11	<0.05	<0.02	0.03	<0.005	<0.01	0.4	0.4	10.55	236	0.15	0.02	0.08
K293233		1.9	0.06	0.09	<0.05	<0.02	0.04	<0.005	<0.01	0.3	0.4	10.65	176	0.14	0.02	0.08
K293234		1.2	0.06	0.07	0.08	<0.02	0.01	<0.005	<0.01	0.4	0.3	10.05	179	0.19	0.02	<0.05
K293235		0.9	0.04	0.07	0.09	<0.02	0.02	<0.005	<0.01	0.4	0.3	10.65	139	0.13	0.02	<0.05
K293236		0.9	0.06	0.10	0.09	<0.02	0.01	<0.005	<0.01	0.5	0.3	10.60	179	0.16	0.02	<0.05
K293237		138.0	2.92	0.18	<0.05	<0.02	0.09	0.127	<0.01	0.9	0.3	9.92	486	0.44	0.01	0.07
K293238		4.4	0.98	0.15	0.08	<0.02	0.05	0.011	<0.01	0.6	0.4	11.20	359	0.85	0.01	<0.05

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Project: Michelle

CERTIFICATE OF ANALYSIS WH17133890

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	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	0.005
K293208		101.0	2300	1650	0.6	0.001	0.01	26.0	1.6	37.1	<0.2	6.0	<0.01	0.07	0.3	<0.005
K293209		1.0	30	5390	0.1	<0.001	0.12	2.69	0.1	2.3	0.4	73.0	<0.01	<0.01	<0.2	<0.005
K293210		252	740	176.0	0.5	<0.001	0.06	9.23	1.0	2.5	<0.2	93.9	<0.01	0.02	0.3	<0.005
K293211		2.0	100	251	1.6	<0.001	0.03	0.66	0.4	1.2	<0.2	74.7	<0.01	0.01	0.3	<0.005
K293212		5.8	110	190.0	0.2	<0.001	0.03	0.59	0.1	2.2	1.2	71.8	<0.01	0.01	<0.2	<0.005
K293213		49.6	110	>10000	0.2	0.001	0.11	14.90	0.2	8.7	1.6	4.2	<0.01	0.01	<0.2	<0.005
K293214		26.8	270	>10000	0.8	0.001	0.28	133.0	0.4	2.1	0.7	8.2	<0.01	0.02	0.2	<0.005
K293215		7.8	60	948	0.3	0.001	0.05	2.28	0.2	1.3	0.2	98.9	<0.01	0.01	<0.2	<0.005
K293216		3.5	30	>10000	0.3	<0.001	0.14	24.2	0.4	16.7	1.3	64.5	<0.01	0.02	<0.2	<0.005
K293217		4.0	40	>10000	0.4	<0.001	0.14	37.9	0.4	13.4	2.0	62.1	<0.01	0.07	<0.2	<0.005
K293218		1.7	30	>10000	0.2	<0.001	0.08	17.00	0.1	2.0	0.8	96.2	<0.01	0.01	<0.2	<0.005
K293219		3.3	50	>10000	0.4	<0.001	0.10	30.5	0.3	4.2	0.5	88.2	<0.01	0.02	<0.2	<0.005
K293220		4.9	40	>10000	0.3	<0.001	0.06	7.16	0.2	2.6	0.3	80.9	<0.01	0.02	<0.2	<0.005
K293221		11.9	110	>10000	0.7	0.001	0.28	88.1	0.6	5.7	3.3	16.6	<0.01	0.08	0.2	<0.005
K293222		10.6	30	>10000	0.2	0.001	0.24	66.1	0.6	3.8	2.4	7.7	<0.01	0.04	<0.2	<0.005
K293223		9.6	60	>10000	1.2	0.001	0.32	98.4	0.8	16.1	3.4	9.7	<0.01	0.14	0.3	<0.005
K293224		9.1	80	>10000	0.9	<0.001	0.41	90.7	0.8	18.2	3.0	10.0	<0.01	0.15	0.2	<0.005
K293225		3.3	20	>10000	0.3	<0.001	0.13	5.62	0.2	2.1	0.3	119.5	<0.01	0.01	<0.2	<0.005
K293226		5.9	40	6060	0.5	<0.001	0.06	3.10	0.3	1.0	<0.2	107.5	<0.01	0.01	<0.2	<0.005
K293227		1.4	30	1530	0.4	<0.001	0.04	0.83	0.2	0.5	<0.2	125.5	<0.01	0.01	<0.2	<0.005
K293228		6.5	20	886	0.2	0.001	0.04	0.53	0.1	0.8	<0.2	84.4	<0.01	0.01	<0.2	<0.005
K293229		3.9	40	6360	0.5	<0.001	0.09	3.20	0.3	1.2	<0.2	109.0	<0.01	0.01	<0.2	<0.005
K293230		1.2	20	583	0.2	<0.001	0.02	0.44	0.1	0.2	<0.2	107.5	<0.01	0.01	<0.2	<0.005
K293231		1.3	20	342	0.3	<0.001	0.02	0.25	0.2	0.3	<0.2	128.5	<0.01	<0.01	<0.2	<0.005
K293232		0.5	20	116.5	0.2	<0.001	0.01	0.14	0.1	<0.2	<0.2	120.5	<0.01	0.01	<0.2	<0.005
K293233		0.5	30	119.5	0.2	<0.001	0.02	0.13	0.1	0.2	<0.2	126.5	<0.01	0.01	<0.2	<0.005
K293234		0.6	40	45.9	0.2	<0.001	0.02	0.20	0.1	0.4	<0.2	132.0	<0.01	<0.01	<0.2	<0.005
K293235		0.3	40	63.6	0.2	<0.001	0.02	0.21	0.1	0.4	<0.2	119.0	<0.01	<0.01	<0.2	<0.005
K293236		0.5	30	25.9	0.2	<0.001	0.02	0.17	0.2	0.4	<0.2	118.5	<0.01	<0.01	<0.2	<0.005
K293237		0.9	20	652	0.2	<0.001	0.03	0.45	0.2	1.1	<0.2	71.5	<0.01	0.02	<0.2	<0.005
K293238		4.2	70	20.5	0.3	<0.001	0.01	0.60	0.2	1.6	<0.2	89.4	<0.01	<0.01	<0.2	<0.005

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

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To: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- AUG- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17133890

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Pb- OG46	Zn- OG46
	Analyte	Tl	U	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	0.001	0.001
K293208		2.73	3.96	298	0.08	18.30	>10000	2.5		2.79
K293209		0.10	0.28	2	<0.05	0.16	5100	<0.5		
K293210		0.83	2.10	67	0.06	6.72	4630	6.2		
K293211		0.09	0.66	4	<0.05	0.58	>10000	1.8		7.27
K293212		0.08	0.51	4	<0.05	0.37	>10000	<0.5		2.92
K293213		0.55	5.34	3	<0.05	0.34	>10000	0.5	1.195	>30.0
K293214		0.74	15.10	15	<0.05	0.58	>10000	1.2	6.20	4.20
K293215		0.15	1.15	2	<0.05	0.52	>10000	0.5		4.81
K293216		0.60	4.27	3	<0.05	0.34	>10000	<0.5	4.04	10.20
K293217		0.33	5.54	3	<0.05	0.38	>10000	<0.5	4.50	4.45
K293218		0.30	0.62	1	<0.05	0.28	>10000	<0.5	1.700	3.10
K293219		0.22	2.53	3	<0.05	0.45	>10000	<0.5	4.07	2.65
K293220		0.79	1.81	2	<0.05	0.39	>10000	<0.5	1.075	4.76
K293221		0.70	15.55	8	<0.05	0.56	>10000	1.2	19.50	2.05
K293222		0.32	13.20	7	<0.05	0.21	>10000	0.6	13.35	1.850
K293223		0.25	12.65	10	0.20	0.70	>10000	0.8	16.35	1.710
K293224		0.40	10.40	10	0.15	0.61	>10000	1.4	14.70	2.37
K293225		0.31	1.16	3	<0.05	0.41	>10000	<0.5	1.365	2.03
K293226		0.26	1.05	3	<0.05	0.53	>10000	<0.5		2.26
K293227		0.06	0.38	2	<0.05	0.41	2950	<0.5		
K293228		0.54	0.72	2	<0.05	0.27	>10000	<0.5		2.76
K293229		0.20	0.73	3	<0.05	0.49	>10000	<0.5		1.950
K293230		0.06	0.27	2	<0.05	0.28	616	<0.5		
K293231		0.05	0.28	2	<0.05	0.38	622	<0.5		
K293232		<0.02	0.21	1	<0.05	0.31	75	<0.5		
K293233		<0.02	0.29	1	<0.05	0.21	114	<0.5		
K293234		<0.02	0.37	1	<0.05	0.38	32	<0.5		
K293235		<0.02	0.37	1	<0.05	0.28	72	<0.5		
K293236		<0.02	0.34	1	<0.05	0.34	25	<0.5		
K293237		0.02	1.81	2	<0.05	0.59	>10000	<0.5		4.39
K293238		0.05	0.37	2	<0.05	0.54	1800	<0.5		

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To: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Michelle

Finalized Date: 8- AUG- 2017
Account: RANSIL

CERTIFICATE OF ANALYSIS WH17133890

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 Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 21	PUL- 31
PUL- QC	SPL- 21	WEI- 21	

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

ME- MS41	ME- OG46	Pb- OG46	Zn- OG46

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Finalized Date: 31- JUL- 2017
Account: RANSIL

CERTIFICATE WH17139671

Project: Michelle

This report is for 43 Rock samples submitted to our lab in Whitehorse, YT, Canada on 7- JUL- 2017.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag- OG46	Ore Grade Ag - Aqua Regia	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Pb- OG46	Ore Grade Pb - Aqua Regia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	ICP- AES
ME- MS41	Ultra Trace Aqua Regia ICP- MS	

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
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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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Finalized Date: 31-JUL-2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17139671

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
K293270		1.18	14.85	0.03	9.1	<0.02	<10	140	<0.05	0.01	2.81	>1000	5.47	0.2	<1	<0.05
K293271		1.42	3.54	0.01	2.5	<0.02	<10	160	<0.05	<0.01	20.3	7.71	3.75	0.2	<1	0.18
K293272		1.49	>100	0.02	24.3	<0.02	<10	380	<0.05	0.02	16.45	25.1	0.38	0.2	<1	0.13
K293273		1.29	1.17	0.02	0.8	<0.02	<10	90	0.05	<0.01	21.4	5.22	0.54	0.3	1	0.16
K293274		1.78	14.35	0.03	2.3	<0.02	<10	190	<0.05	0.01	17.40	146.5	0.57	0.3	1	0.20
K293275		1.54	1.98	0.08	319	<0.02	<10	390	<0.05	3.88	1.01	32.9	6.63	0.9	<1	<0.05
K293276		1.55	7.83	0.01	2.5	<0.02	<10	120	<0.05	0.03	19.90	59.1	0.47	0.2	<1	0.15
K293277		1.04	1.24	0.02	1.2	<0.02	<10	140	<0.05	0.01	21.0	12.70	0.65	0.3	1	0.17
K293278		0.76	0.12	0.05	43.5	<0.02	<10	2170	0.41	0.01	0.16	1.04	1.36	2.8	8	<0.05
K293279		1.82	1.84	0.03	2.2	<0.02	<10	870	<0.05	0.01	23.2	106.5	2.62	0.3	2	0.11
K293280		2.23	1.85	0.10	4.7	<0.02	<10	3930	0.10	0.01	23.1	51.8	3.78	0.6	3	0.19
K293281		2.99	1.73	0.10	1.8	<0.02	<10	2850	0.08	0.01	22.6	18.10	4.20	0.4	2	0.20
K293282		3.04	0.26	0.04	0.5	<0.02	<10	3740	<0.05	<0.01	22.8	2.08	1.81	0.3	1	0.11
K293283		2.28	0.59	0.04	1.4	<0.02	<10	290	<0.05	<0.01	21.1	6.90	1.36	0.3	1	0.12
K293284		1.83	2.39	0.06	28.1	<0.02	<10	2320	<0.05	0.01	9.41	29.7	1.22	0.3	6	0.08
K293285		1.52	0.84	0.05	5.3	<0.02	<10	1570	0.09	0.01	23.1	5.81	3.43	0.4	4	0.14
K293286		2.06	0.49	0.02	1.4	<0.02	<10	240	<0.05	<0.01	23.9	3.15	1.38	0.2	1	0.08
K293287		2.22	0.34	0.03	1.0	<0.02	<10	180	<0.05	<0.01	22.4	1.87	1.30	0.2	1	0.11
K293288		1.95	0.40	0.04	0.7	<0.02	<10	140	0.05	<0.01	23.4	1.75	3.07	0.3	1	0.12
K293289		2.28	0.37	0.04	1.0	<0.02	<10	140	<0.05	<0.01	22.4	1.65	1.34	0.3	1	0.11
K293290		1.90	2.92	0.05	1.5	<0.02	<10	1100	<0.05	0.01	>25.0	3.99	3.02	0.4	1	0.10
K293291		2.17	0.64	0.02	0.8	<0.02	<10	230	<0.05	0.01	22.9	5.73	1.26	0.3	1	0.12
K293292		2.28	0.69	0.03	0.7	<0.02	<10	160	<0.05	<0.01	21.6	1.98	0.87	0.3	1	0.12
K293293		1.54	0.87	0.04	1.0	<0.02	<10	240	0.05	<0.01	22.3	2.19	1.42	0.4	1	0.13
K293294		2.54	0.28	0.02	0.3	<0.02	<10	3140	<0.05	<0.01	>25.0	1.28	1.76	0.2	<1	0.05
K293295		1.93	0.23	0.04	0.9	<0.02	<10	3680	0.05	<0.01	>25.0	1.87	2.15	0.3	1	0.08
K293296		2.92	5.09	0.10	28.7	<0.02	<10	970	0.10	0.99	18.00	52.7	3.73	0.5	3	0.13
K293297		2.83	1.39	0.20	4.2	<0.02	<10	870	0.16	0.27	19.25	22.2	6.81	0.6	3	0.17
K293298		2.94	12.85	0.10	4.4	<0.02	<10	630	0.10	0.38	19.70	31.3	3.83	0.3	2	0.16
K293299		2.61	15.20	0.15	24.8	<0.02	<10	1430	0.07	0.81	16.50	31.3	4.49	0.5	3	0.14
K293300		2.55	18.75	0.06	4.7	<0.02	<10	900	0.05	1.06	20.8	3.59	2.26	0.4	1	0.13
K293301		2.43	21.1	0.07	5.0	<0.02	<10	1400	0.08	1.04	20.7	10.70	2.52	0.3	2	0.14
K293302		2.00	13.95	0.04	3.7	<0.02	<10	500	<0.05	0.72	20.8	11.20	1.74	0.4	1	0.12
K293303		2.09	0.55	0.03	3.7	<0.02	<10	4070	<0.05	0.05	20.7	0.47	1.22	0.3	1	0.11
K293304		3.10	1.33	0.03	4.9	<0.02	<10	3240	<0.05	0.15	20.0	2.83	1.41	0.2	1	0.11
K293305		2.55	2.05	0.03	0.9	<0.02	<10	3930	<0.05	0.08	22.1	4.70	1.45	0.3	1	0.14
K293306		2.36	1.40	0.05	5.9	<0.02	<10	790	0.07	0.19	19.75	17.65	2.10	0.4	1	0.12
K293307		2.86	0.07	0.03	0.7	<0.02	<10	180	<0.05	0.01	22.5	0.15	0.82	0.3	1	0.11
K293308		2.12	0.23	0.03	0.9	<0.02	<10	230	0.06	0.12	23.2	3.05	1.77	0.3	1	0.12
K293309		2.37	0.09	0.03	0.8	<0.02	<10	140	<0.05	0.04	>25.0	1.38	2.02	0.3	1	0.10

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CERTIFICATE OF ANALYSIS WH17139671

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	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	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	0.05
K293270		470	3.91	1.23	0.06	<0.02	0.83	0.011	<0.01	3.3	0.6	1.56	6640	9.49	<0.01	<0.05
K293271		2.6	1.13	0.60	<0.05	<0.02	0.04	0.010	0.01	2.2	0.8	10.50	12700	0.48	0.02	<0.05
K293272		22.9	5.19	6.76	0.09	<0.02	1.45	0.060	0.01	0.3	0.6	9.44	1660	2.31	0.01	<0.05
K293273		2.1	0.23	0.18	<0.05	<0.02	0.05	<0.005	0.01	0.3	0.8	11.35	299	0.36	0.02	<0.05
K293274		41.5	0.19	0.56	0.09	0.02	3.60	0.051	0.02	0.3	0.7	10.10	1320	1.22	0.02	<0.05
K293275		90.5	>50	13.05	0.37	0.02	0.24	2.68	0.01	3.5	0.1	0.53	1060	10.10	0.01	<0.05
K293276		25.2	0.53	0.12	<0.05	<0.02	0.59	0.067	0.01	0.3	0.6	11.25	537	1.03	0.03	<0.05
K293277		1.9	0.30	0.13	<0.05	<0.02	0.06	0.006	0.01	0.4	0.6	11.70	1040	2.09	0.03	<0.05
K293278		19.3	2.00	0.94	<0.05	0.06	0.12	<0.005	<0.01	2.1	0.1	0.07	300	6.96	<0.01	<0.05
K293279		29.5	1.41	1.14	<0.05	<0.02	0.20	0.008	0.01	1.7	0.6	8.46	653	6.55	0.02	<0.05
K293280		57.5	1.01	2.90	<0.05	0.02	0.22	0.017	0.03	2.2	1.0	8.59	398	8.05	0.01	0.06
K293281		7.0	0.32	0.44	<0.05	0.02	0.16	0.005	0.04	2.5	1.0	7.23	310	2.38	0.01	<0.05
K293282		2.3	0.08	0.25	<0.05	<0.02	0.07	<0.005	0.02	1.0	0.7	10.30	428	1.09	0.02	<0.05
K293283		2.9	0.25	0.68	0.05	<0.02	0.25	0.028	0.01	0.8	0.7	11.00	674	0.96	0.03	0.05
K293284		195.5	30.3	119.0	1.18	0.03	0.58	1.160	0.01	1.0	0.4	4.35	344	76.3	0.01	<0.05
K293285		48.5	1.90	11.95	<0.05	0.03	0.17	0.222	0.01	2.5	0.5	8.48	693	9.94	0.01	<0.05
K293286		5.4	0.66	2.42	<0.05	<0.02	0.02	0.032	<0.01	0.9	0.5	9.32	464	1.71	0.02	<0.05
K293287		2.8	0.16	0.56	<0.05	<0.02	0.17	0.014	0.01	0.8	0.6	10.60	491	0.80	0.03	<0.05
K293288		2.2	0.15	0.47	<0.05	<0.02	0.05	0.007	0.01	1.9	0.8	9.89	515	1.42	0.03	0.05
K293289		1.6	0.12	0.27	<0.05	<0.02	0.06	<0.005	0.01	0.8	0.7	10.55	572	1.20	0.03	<0.05
K293290		3.3	0.28	0.55	<0.05	<0.02	0.15	0.009	0.01	2.2	0.8	6.06	604	3.58	0.02	0.05
K293291		3.1	0.13	0.90	0.05	<0.02	0.23	0.044	0.01	0.9	0.7	9.86	652	1.76	0.02	<0.05
K293292		2.8	0.13	0.41	0.05	<0.02	0.06	0.010	0.01	0.6	0.8	10.55	409	1.11	0.02	<0.05
K293293		3.0	0.16	0.36	0.06	<0.02	0.07	0.008	0.01	0.9	1.0	10.65	539	2.43	0.03	0.05
K293294		1.0	0.04	0.14	0.05	<0.02	0.02	<0.005	<0.01	1.7	0.4	5.30	227	0.40	0.01	<0.05
K293295		1.7	0.16	0.23	0.05	<0.02	0.02	<0.005	0.01	1.6	0.6	7.51	444	0.49	0.01	<0.05
K293296		45.8	5.63	3.47	<0.05	0.10	0.74	0.538	0.04	2.0	1.4	10.20	3620	4.55	0.03	<0.05
K293297		65.9	1.46	4.72	<0.05	0.24	0.33	0.825	0.11	3.2	1.6	10.90	2330	2.02	0.03	<0.05
K293298		43.1	2.13	14.00	<0.05	0.08	2.54	5.35	0.04	2.1	1.2	11.15	2580	2.30	0.04	<0.05
K293299		45.4	8.98	6.06	<0.05	0.09	2.63	1.055	0.06	2.5	1.2	8.65	1700	11.55	0.02	0.07
K293300		6.6	1.10	2.14	<0.05	0.03	2.48	0.290	0.02	1.5	0.9	10.40	576	1.39	0.03	<0.05
K293301		10.5	1.02	1.88	<0.05	0.03	2.45	0.265	0.02	1.7	0.9	10.25	682	3.25	0.03	<0.05
K293302		6.3	0.64	1.31	<0.05	<0.02	1.79	0.162	0.01	1.2	0.9	10.70	487	2.19	0.03	<0.05
K293303		1.5	1.09	0.18	<0.05	<0.02	0.07	0.015	0.01	0.8	0.8	9.98	1580	1.16	0.02	<0.05
K293304		3.0	1.51	0.35	<0.05	<0.02	0.13	0.025	0.01	0.9	0.7	9.26	1560	1.98	0.01	<0.05
K293305		3.0	0.25	0.35	<0.05	<0.02	0.31	0.042	0.01	1.0	0.9	10.50	1010	1.04	0.02	<0.05
K293306		7.9	1.78	0.64	<0.05	<0.02	0.12	0.050	0.01	1.2	0.8	10.95	2980	1.97	0.02	<0.05
K293307		1.0	0.08	0.08	<0.05	<0.02	<0.01	<0.005	0.01	0.5	0.7	10.40	379	0.57	0.03	<0.05
K293308		4.5	0.43	0.23	<0.05	<0.02	0.07	0.020	0.01	1.2	0.8	9.69	1050	0.45	0.03	<0.05
K293309		2.6	0.40	0.15	<0.05	<0.02	0.03	0.012	0.01	1.5	0.6	6.92	1040	0.84	0.02	<0.05

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To: **SILVER RANGE RESOURCES LTD.**
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Finalized Date: 31- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17139671

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	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	0.005
K293270		11.5	100	3910	0.2	<0.001	0.06	14.60	0.2	8.1	<0.2	19.8	<0.01	0.02	<0.2	<0.005
K293271		0.3	10	1760	0.4	<0.001	0.06	3.41	0.1	0.4	<0.2	164.0	<0.01	0.04	<0.2	<0.005
K293272		0.5	50	>10000	0.3	0.001	0.05	95.4	0.1	0.4	1.3	69.8	<0.01	0.02	<0.2	<0.005
K293273		0.5	20	1885	0.5	<0.001	0.10	1.18	0.2	<0.2	<0.2	146.0	<0.01	<0.01	<0.2	<0.005
K293274		4.2	80	>10000	0.7	<0.001	0.41	13.35	0.2	3.0	0.2	66.9	<0.01	0.01	<0.2	<0.005
K293275		12.5	270	563	0.3	0.002	0.09	17.65	0.4	159.5	<0.2	8.4	<0.01	0.44	0.2	<0.005
K293276		0.4	20	>10000	0.3	<0.001	0.36	6.40	0.1	2.5	<0.2	124.0	<0.01	0.01	<0.2	<0.005
K293277		0.9	140	4760	0.4	0.001	0.06	0.83	0.1	1.0	<0.2	112.5	<0.01	0.01	<0.2	<0.005
K293278		54.3	570	492	0.2	<0.001	0.06	12.15	0.7	<0.2	<0.2	61.9	<0.01	0.01	<0.2	<0.005
K293279		5.9	140	645	0.4	<0.001	0.02	2.55	0.2	1.5	<0.2	143.0	<0.01	0.01	<0.2	<0.005
K293280		9.8	350	777	1.1	<0.001	0.09	3.76	0.5	1.6	<0.2	133.5	<0.01	0.01	0.4	<0.005
K293281		1.9	340	343	1.3	<0.001	0.06	0.93	0.5	1.2	<0.2	125.0	<0.01	0.01	0.4	<0.005
K293282		0.4	200	207	0.5	<0.001	0.08	0.33	0.2	0.4	<0.2	150.5	<0.01	0.01	<0.2	<0.005
K293283		1.3	50	334	0.4	<0.001	0.01	0.69	0.1	0.7	<0.2	114.5	<0.01	0.01	<0.2	<0.005
K293284		72.9	1370	835	0.4	0.002	0.11	24.5	0.5	9.4	<0.2	79.8	<0.01	0.06	0.2	<0.005
K293285		14.1	360	289	0.5	<0.001	0.03	5.69	0.7	1.1	0.2	186.0	<0.01	0.01	0.3	<0.005
K293286		2.1	50	111.0	0.2	<0.001	<0.01	1.57	0.1	0.7	<0.2	106.5	<0.01	0.01	<0.2	<0.005
K293287		1.3	50	113.0	0.3	<0.001	0.01	0.80	0.1	0.5	<0.2	136.5	<0.01	<0.01	<0.2	<0.005
K293288		1.3	50	265	0.5	<0.001	<0.01	0.86	0.2	0.6	<0.2	157.0	<0.01	0.01	<0.2	<0.005
K293289		0.7	30	288	0.4	<0.001	0.01	0.51	0.2	0.6	<0.2	122.5	<0.01	0.01	<0.2	<0.005
K293290		1.5	50	1560	0.5	<0.001	0.04	3.81	0.2	0.7	<0.2	128.0	<0.01	0.01	<0.2	<0.005
K293291		1.4	40	367	0.4	<0.001	0.01	1.06	0.1	0.6	<0.2	153.5	<0.01	0.01	<0.2	<0.005
K293292		1.1	40	435	0.4	<0.001	0.01	1.27	0.1	0.5	<0.2	134.5	<0.01	<0.01	<0.2	<0.005
K293293		1.9	50	440	0.5	<0.001	0.01	1.10	0.2	0.6	<0.2	139.5	<0.01	<0.01	<0.2	<0.005
K293294		0.8	20	183.0	0.2	<0.001	0.08	0.45	0.1	0.6	<0.2	163.0	<0.01	0.01	<0.2	<0.005
K293295		2.5	180	193.0	0.4	<0.001	0.09	0.76	0.2	0.6	<0.2	219	<0.01	0.01	<0.2	<0.005
K293296		2.8	730	937	1.6	<0.001	0.08	8.77	0.8	6.3	<0.2	143.0	<0.01	0.13	0.6	<0.005
K293297		2.5	1910	180.0	4.3	<0.001	0.04	6.92	1.3	0.9	<0.2	118.0	<0.01	0.02	1.3	<0.005
K293298		1.1	670	587	1.8	<0.001	0.07	5.10	0.6	1.6	0.2	124.0	0.01	0.02	0.5	<0.005
K293299		2.6	890	2490	2.0	<0.001	0.13	13.70	0.8	4.3	0.4	131.5	<0.01	0.05	0.7	<0.005
K293300		1.2	170	2880	0.7	<0.001	0.13	19.05	0.3	1.8	0.8	162.0	<0.01	0.03	0.2	<0.005
K293301		1.1	240	3110	0.9	<0.001	0.13	22.1	0.3	1.8	0.8	168.0	<0.01	0.03	0.2	<0.005
K293302		0.9	50	2180	0.5	<0.001	0.08	13.20	0.3	1.3	0.5	156.0	<0.01	0.03	<0.2	<0.005
K293303		0.4	50	77.8	0.4	<0.001	0.09	0.77	0.1	0.6	<0.2	199.0	<0.01	0.01	<0.2	<0.005
K293304		0.5	80	99.0	0.4	<0.001	0.07	1.04	0.2	0.7	<0.2	220	<0.01	0.02	<0.2	<0.005
K293305		0.4	90	72.4	0.4	<0.001	0.09	0.71	0.1	0.5	<0.2	179.0	<0.01	0.01	<0.2	<0.005
K293306		1.5	80	123.0	0.5	<0.001	0.02	1.86	0.2	1.4	<0.2	169.5	<0.01	0.01	0.2	<0.005
K293307		0.5	30	6.2	0.4	<0.001	<0.01	0.13	0.2	0.8	<0.2	169.0	<0.01	<0.01	<0.2	<0.005
K293308		1.3	30	44.8	0.4	<0.001	0.01	0.41	0.2	0.6	<0.2	210	<0.01	0.01	<0.2	<0.005
K293309		1.0	30	15.1	0.4	<0.001	<0.01	0.41	0.2	1.2	<0.2	202	<0.01	0.01	<0.2	<0.005

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To: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17139671

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46	Zn- OG46
	Analyte	Tl	U	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001	0.001
K293270		0.80	7.51	5	<0.05	4.39	>10000	<0.5			>30.0
K293271		0.08	0.45	1	<0.05	2.81	2440	<0.5			
K293272		0.16	4.13	1	<0.05	0.20	5890	<0.5	157	9.35	
K293273		0.03	0.89	5	<0.05	0.28	1860	0.5			
K293274		0.15	1.10	2	<0.05	0.18	>10000	0.5		3.87	4.99
K293275		0.10	16.95	17	0.05	1.93	>10000	1.1			1.415
K293276		0.07	3.01	4	<0.05	0.19	>10000	<0.5		2.45	2.06
K293277		0.04	1.17	2	<0.05	0.31	4910	<0.5			
K293278		0.11	1.63	128	0.15	3.41	1040	5.8			
K293279		0.05	0.79	12	<0.05	1.76	>10000	0.6			2.85
K293280		0.07	0.97	25	0.05	2.08	>10000	1.5			1.040
K293281		0.04	0.81	6	<0.05	1.70	2050	1.3			
K293282		0.02	0.77	3	<0.05	0.74	452	0.5			
K293283		0.02	0.25	3	<0.05	0.45	1630	<0.5			
K293284		0.12	3.67	98	<0.05	2.17	>10000	2.5			1.045
K293285		0.09	0.69	26	<0.05	3.17	1040	2.7			
K293286		<0.02	0.26	5	<0.05	0.94	358	<0.5			
K293287		0.02	0.24	4	<0.05	0.64	147	<0.5			
K293288		0.02	0.22	5	<0.05	1.14	125	<0.5			
K293289		<0.02	0.24	3	<0.05	0.56	100	<0.5			
K293290		0.02	0.25	5	<0.05	1.74	530	<0.5			
K293291		0.03	0.21	6	<0.05	0.81	569	<0.5			
K293292		0.02	0.22	5	<0.05	0.45	106	<0.5			
K293293		0.03	0.20	9	<0.05	0.75	96	<0.5			
K293294		<0.02	0.19	2	<0.05	1.30	41	<0.5			
K293295		0.02	0.65	5	<0.05	1.47	84	<0.5			
K293296		0.10	2.65	12	<0.05	2.25	>10000	3.3			2.19
K293297		0.08	3.52	10	<0.05	2.98	8740	7.7			
K293298		0.07	2.70	7	<0.05	1.65	6480	3.1			
K293299		0.06	4.61	9	0.05	2.11	7970	3.7			
K293300		0.04	1.14	6	<0.05	1.20	1470	0.9			
K293301		0.04	1.35	7	<0.05	1.39	4260	1.0			
K293302		0.03	0.79	6	<0.05	0.89	4200	0.5			
K293303		0.03	0.92	3	<0.05	0.81	221	<0.5			
K293304		0.05	0.78	3	<0.05	0.73	866	<0.5			
K293305		0.03	0.67	3	<0.05	0.79	1540	<0.5			
K293306		0.07	1.12	5	<0.05	0.98	4160	0.5			
K293307		0.02	0.75	4	<0.05	0.39	46	<0.5			
K293308		0.02	0.71	7	<0.05	0.93	368	<0.5			
K293309		0.02	0.54	5	<0.05	1.19	284	<0.5			

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Sample Description	Method	WEI- 21	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	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
K293310		1.88	0.20	0.03	1.7	<0.02	<10	200	<0.05	0.11	20.9	2.91	1.91	0.3	1	0.15
K293311		1.26	0.54	0.03	45.7	<0.02	<10	3000	0.20	0.03	12.95	12.55	2.10	1.6	4	0.07
K293312		1.21	4.32	0.02	0.8	<0.02	<10	180	0.05	0.02	18.75	42.7	0.57	0.3	1	0.18

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

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: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17139671

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	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	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	0.05
K293310		2.1	1.07	0.21	<0.05	<0.02	0.03	0.008	0.01	1.4	0.8	10.40	3100	4.50	0.03	<0.05
K293311		13.6	13.20	1.74	0.07	<0.02	0.34	0.334	<0.01	1.4	0.4	7.38	421	11.75	0.01	<0.05
K293312		4.9	0.55	0.40	<0.05	<0.02	0.59	0.096	0.01	0.4	0.7	10.85	1470	2.07	0.03	<0.05

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CERTIFICATE OF ANALYSIS WH17139671

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	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	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	0.005
K293310		1.5	30	17.5	0.5	<0.001	0.01	0.59	0.2	2.4	<0.2	165.0	<0.01	0.01	<0.2	<0.005
K293311		22.0	900	735	0.2	<0.001	0.05	20.5	0.4	2.3	<0.2	88.2	<0.01	<0.01	<0.2	<0.005
K293312		0.8	210	>10000	0.5	<0.001	0.18	3.57	0.1	0.6	0.4	107.5	<0.01	<0.01	<0.2	<0.005

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VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17139671

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46	Zn- OG46
	Analyte	Tl	U	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001	0.001
K293310		0.05	0.70	4	<0.05	1.06	1020	<0.5			
K293311		0.07	2.25	50	0.06	1.96	>10000	0.9			1.765
K293312		0.08	1.91	3	<0.05	0.31	>10000	0.6		1.615	2.04

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

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To: **SILVER RANGE RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Michelle

Finalized Date: 31- JUL- 2017
Account: RANSIL

CERTIFICATE OF ANALYSIS WH17139671

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 Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 21	LOG- 23
PUL- 31	PUL- QC	SPL- 21	WEI- 21

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

Ag- OG46	ME- MS41	ME- OG46	Pb- OG46
Zn- OG46			

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: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2017
Account: RANSIL

CERTIFICATE WH17165196

Project: Michelle

This report is for 1 Rock sample submitted to our lab in Whitehorse, YT, Canada on 8- AUG- 2017.

The following have access to data associated with this certificate:

JOAN MARIACHER	JACK MORTON	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

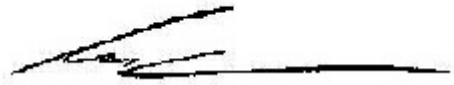
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
Zn- VOL50	Zn by titration

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

***** 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: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2017
Account: RANSIL

Project: Michelle

CERTIFICATE OF ANALYSIS WH17165196

Sample Description	Method	Zn- VOL50
	Analyte	Zn
	Units	%
	LOR	0.01
K293213		46.43

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Michelle

Finalized Date: 12- AUG- 2017
Account: RANSIL

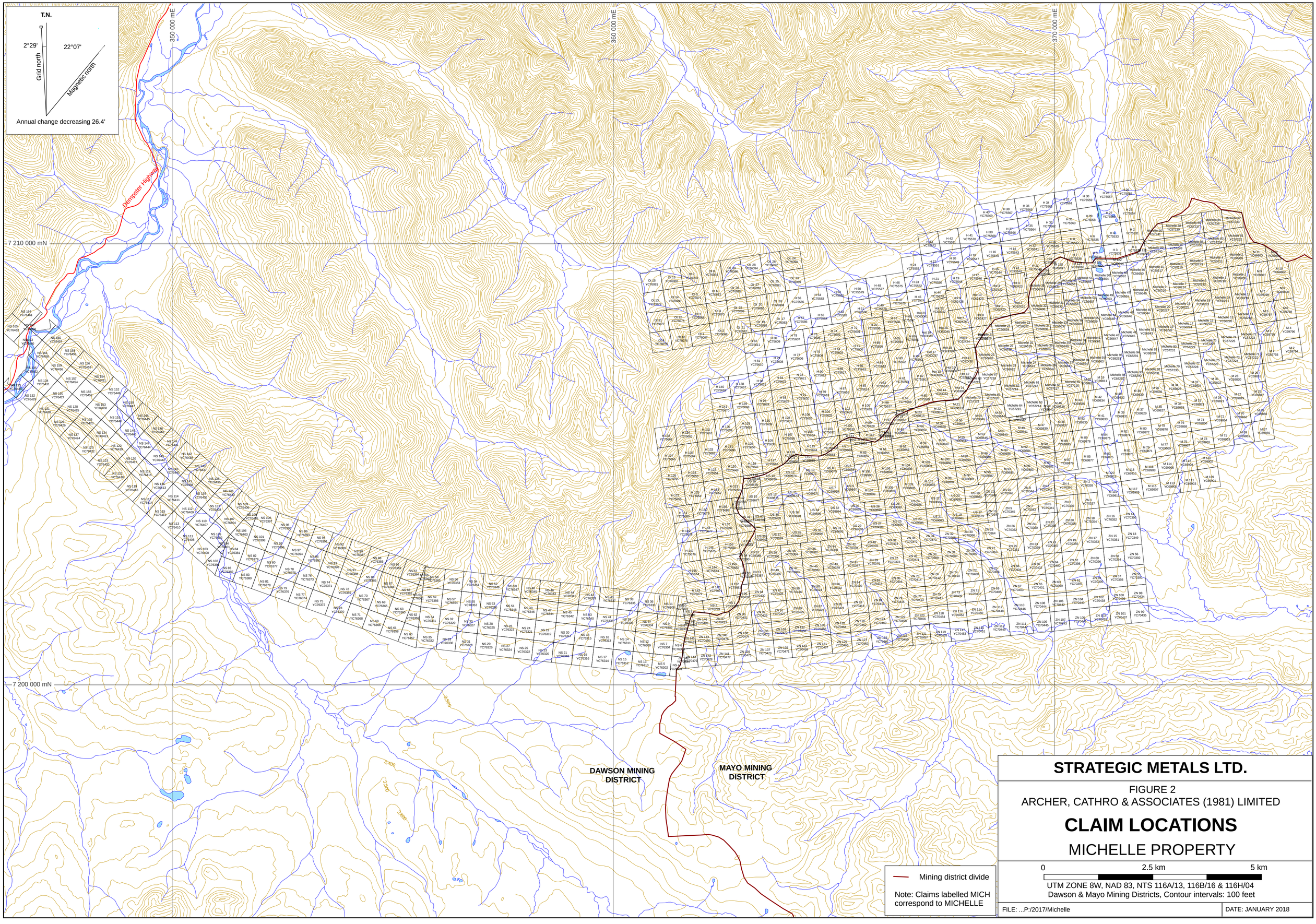
CERTIFICATE OF ANALYSIS WH17165196

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

FND- 02 Zn- VOL50



STRATEGIC METALS LTD.

FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS

MICHELLE PROPERTY

0 2.5 km 5 km

UTM ZONE 8W, NAD 83, NTS 116A/13, 116B/16 & 116H/04

Dawson & Mayo Mining Districts, Contour intervals: 100 feet

FILE: ...P:/2017/Michelle

DATE: JANUARY 2018

T.N.

2°29'

22°07'

Grid north

Magnetic north

Annual change decreasing 26.4'

365000 mE

370000 mE

7210000 mN

7205000 mN

OT SHOWING

TERRIER SHOWING

PINPOINT SHOWING

DYNASTY SHOWING

HUSKY SHOWING

GAYNOR SHOWING

CIRQUE SHOWING

GULLY ZONE

CIVIC SHOWING

NANNY SHOWING

PITBULL SHOWING

PEAK ZONE

BLENDER SHOWING

BOXER SHOWING

MICHELLE WEST SHOWING

GAZ SHOWING

GATAGA SHOWING

POLAR SHOWING

US SHOWING

PRAIRIE DOG SHOWING

SCORPION SHOWING

HEELER SHOWING

DEVONIAN TO MISSISSIPPIAN

Earn Group: Dark grey to black, siliceous, graptolitic shale.

UPPER CAMBRIAN TO LOWER DEVONIAN

Bouvette Fm.: Undifferentiated, tan to medium grey, flaggy to thick-bedded sparry dolostone and limestone; minor rudstone and chert.

Bouvette Fm.: Black weathering, dark grey coraliferous and 'zebra' dolostone.

LOWER PROTEROZOIC

Gillespie Lake Grp.: Brick-red to medium grey, wavy bedded, silty dolostone, with rare coarse-grained diagenetic pyrite.

Gillespie Lake Grp.: Finely bedded, tan weathering dolostone, green weathering argillite and minor black shale.

Quartet Grp.: Dark grey to black weathering shale, finely laminated siltstone and fine-grained sandstone.

Bedding

Fracture

Vein

Anticline

Thrust Fault

Fault (unknown displacement)

STRATEGIC METALS LTD.

FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

MICHELLE PROPERTY

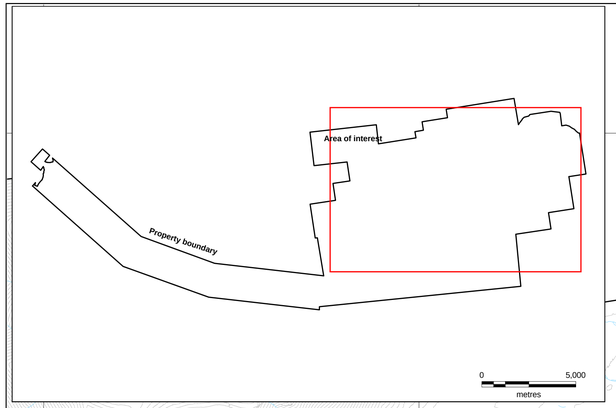
0 2.5 km 5 km

UTM ZONE 8W, NAD 83, NTS 116A/13, 116B/16 & 116H/04

Dawson & Mayo Mining Districts, Contour intervals: 100 feet

FILE: ../Projects/2017/Michelle/Figures/F6-Property_Geology.wor

DATE: JANUARY 2018



STRATEGIC METALS LTD.

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

2017 ROCK SAMPLES

MICHELLE PROPERTY

T.N.
1°47'
21°25'
Grid north
Magnetic north
Annual change decreasing 25.1'

0 1
kilometres

NAD 83 ZONE 8, 116A/13 & 116B/16

FILE: .../2017/MICHELLE

DATE: JANUARY 2018

350,000 mE
355,000 mE
360,000 mE
365,000 mE
370,000 mE
375,000 mE
7,210,000 mN
7,205,000 mN
7,200,000 mN

OT
CIVIC
PINPOINT
DYNASTY
HUSKY
CIRQUE
GULLY
GAYNOR
GAZ
TERRIER
NANNY
PITBULL
BOXER
PEAK &
MICHELLE WEST
BLENDER
GATAGA
POLAR & US
PRAIRIE DOG
SCORPION
SILVER MATT
HEELER
Property boundary

Zinc Rock (%)
ME-ICP41
20 to 47.40
10 to 20
5 to 10
2 to 5
1 to 2
0 to 1
Zinc rock (%)
ME-ICP61a
20 to 45.30
10 to 20
5 to 10
2 to 5
1 to 2
0 to 1
Zinc rock (%)
ME-MS61
20 to 48.60
10 to 20
5 to 10
2 to 5
1 to 2
0 to 1

T.N.
1°47'
21°25'
Grid north
Magnetic north
Annual change
decreasing 25.1'

STRATEGIC METALS LTD.

FIGURE 9
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ZINC ROCK GEOCHEMISTRY

MICHELLE PROPERTY

0 2 km
NAD 83 ZONE 8, 116A/13 & 116B/16

FILE: .../Michelle/Figures/F9-Zn_Rock_Geochem.wor
DATE: JANUARY 2018

350,000 mE
355,000 mE
360,000 mE
365,000 mE
370,000 mE
375,000 mE
7,210,000 mN
7,205,000 mN
7,200,000 mN

OT
CIVIC
PINPOINT
DYNASTY
HUSKY
CIRQUE
GULLY
GAYNOR
TERRIER
NANNY
PITBULL
BOXER
PEAK &
MICHELLE WEST
GAZ
GATAGA
BLENDER
POLAR & US
PRAIRIE DOG
SCORPION
SILVER MATT
HEELER
Property boundary

Lead rock (ppm)
ME-ICP41
200,000 to 548,100
100,000 to 200,000
50,000 to 100,000
20,000 to 50,000
10,000 to 20,000
0 to 10,000

Lead rock (ppm)
ME-ICP61a
200,000 to 816,800
100,000 to 200,000
50,000 to 100,000
20,000 to 50,000
10,000 to 20,000
0 to 10,000

Lead rock (ppm)
ME-MS61
20,000 to 827,800
10,000 to 20,000
5,000 to 10,000
2,000 to 5,000
1,000 to 2,000
0 to 1,000

STRATEGIC METALS LTD.

FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LEAD ROCK GEOCHEMISTRY

MICHELLE PROPERTY

T.N.
17°47'
21°25'
Grid north
Magnetic north
Annual change
decreasing 25.1'

0 2 km
NAD 83 ZONE 8, 116A/13 & 116B/16
FILE: ../Michelle/Figures/F10-Pb_Rock_Geochem.wor
DATE: JANUARY 2018

350,000 mE
355,000 mE
360,000 mE
365,000 mE
370,000 mE
375,000 mE
7,210,000 mN
7,205,000 mN
7,200,000 mN

OT
CIVIC
PINPOINT
DYNASTY
HUSKY
CIRQUE
GULLY
GAYNOR
TERRIER
NANNY
PITBULL
BOXER
PEAK &
MICHELLE WEST
GAZ
GATAGA
BLENDER
POLAR & US
PRAIRIE DOG
SCORPION
SILVER MATT
HEELER
Property boundary

Silver rock (ppm)
ME-ICP41
200 to 1,535
100 to 200
50 to 100
20 to 50
10 to 20
0 to 10

Silver rock (ppm)
ME-ICP61a
200 to 2,300
100 to 200
50 to 100
20 to 50
10 to 20
0 to 10

Silver rock (ppm)
ME-MS61
200 to 4,180
100 to 200
50 to 100
20 to 50
10 to 20
0 to 10

T.N.
21°47'
21°25'
Grid north
Magnetic north
Annual change
decreasing 25.1'

STRATEGIC METALS LTD.

FIGURE 11
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SILVER ROCK GEOCHEMISTRY

MICHELLE PROPERTY

0 2 km
NAD 83 ZONE 8, 116A/13 & 116B/16
FILE: .../Michelle/Figures/F11-Ag_Rock_Geochem.wor
DATE: JANUARY 2018

350,000 mE
355,000 mE
360,000 mE
365,000 mE
370,000 mE
375,000 mE
7,210,000 mN
7,205,000 mN
7,200,000 mN

OT
CIVIC
PINPOINT
DYNASTY
HUSKY
CIRQUE
GULLY
GAYNOR
TERRIER
NANNY
PITBULL
BOXER
PEAK &
MICHELLE WEST
GAZ
GATAGA
BLENDER
POLAR & US
PRAIRIE DOG
SCORPION
SILVER MATT
HEELER
Property boundary

Nickel rock (ppm)
ME-ICP41
500 to 4,050
200 to 500
100 to 200
50 to 100
20 to 50
0 to 20

Nickel rock (ppm)
ME-ICP61a
500 to 4,050
200 to 500
100 to 200
50 to 100
20 to 50
0 to 20

Nickel rock (ppm)
ME-MS61
200 to 1,540
100 to 200
50 to 100
20 to 50
10 to 20
0 to 10

T.N.
1°47'
21°25'
Grid north
Magnetic north
Annual change
decreasing 25.1'

STRATEGIC METALS LTD.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

NICKEL ROCK GEOCHEMISTRY

MICHELLE PROPERTY

0 2 km

NAD 83 ZONE 8, 116A/13 & 116B/16

FILE: .../Michelle/Figures/F12-Ni_Rock_Geochem.wor

DATE: JANUARY 2018