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### GOLDON RESOURCES LTD.

### REPORT ON THE SEPTEMBER 2019 PROSPECTING PROGRAM

#### ON THE

#### PIPESTONE BAY PROPERTY



Sample 00252078

BALL TOWNSHIP & INDIAN HOUSE LAKE AREA RED LAKE AREA ONTARIO, CANADA NTS 52M/01

Bruce MacLachlan Timmins, Ontario

February 3rd, 2020

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#### 1.0 SUMMARY

A prospecting program was carried out by Bruce MacLachlan and Coleman Robertson on the Pipestone Bay Property between September 2<sup>nd</sup> and September 23<sup>rd</sup> to follow up on historical work and to prospect for new targets. Forty-seven rock grab samples were collected during the exploration program. The Pipestone Bay prospecting program was carried out concurrently with other prospecting programs in the area for GoldON Resources Ltd.

#### 2.0 INTRODUCTION

The objective of the program was to locate and review historical areas of interest based on historical reports and conduct follow-up prospecting in these areas.

All the work and sample locations were defined using a handheld Garmin GPS. The measurements were plotted using UTM: NAD 83 in Zone 15 metric coordinates. All foot and boat traverses were collected by GPS, saved as separate files and plotted on the various Figures.

The following report details the results of the September 2019 prospecting program along with the recommendations for additional exploration programs.

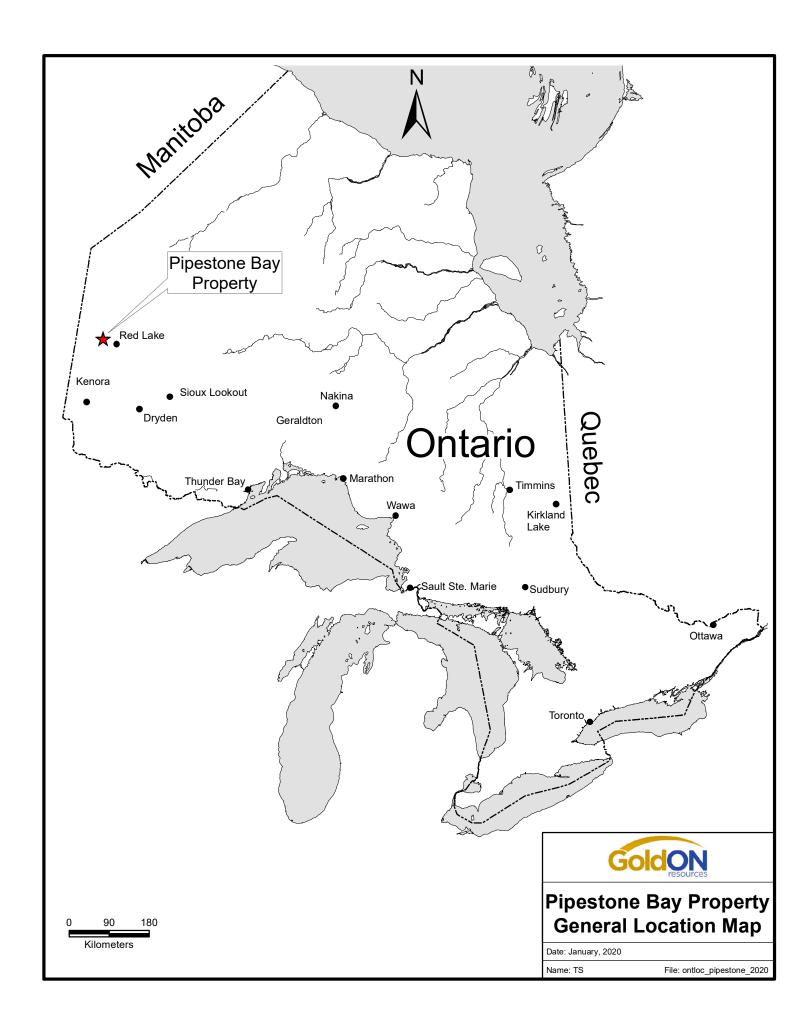
#### 3.0 CELLS-CLAIMS

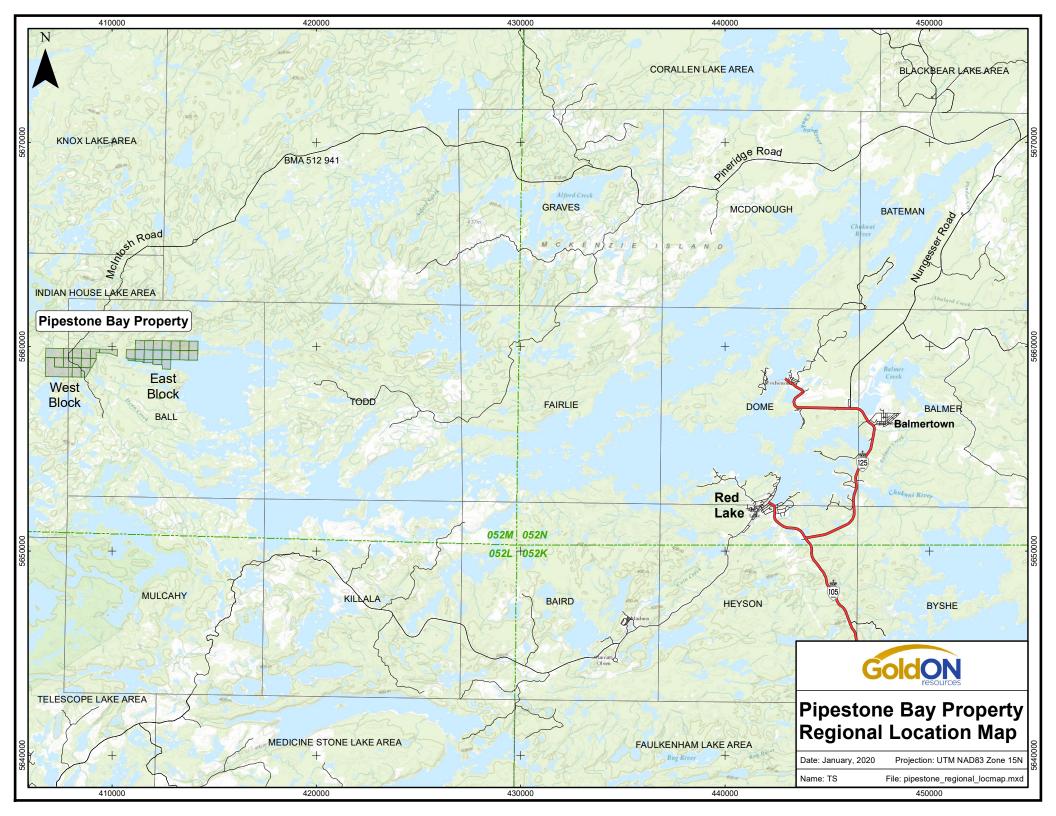
The Pipestone Bay Property consists of two non-contiguous claim blocks comprised of 32 Single-Cell Mining Claims and 3 Multi-Cell Mining Claims, located in Ball Township and Indian House Lake Area.

#### 4.0 LOCATION, ACCESS, AND TOPOGRAPHY

The Pipestone Bay Property is located approximately 33 kilometres west-northwest of the town of Red Lake, Ontario (Figure 1). The Pipestone Bay Property is accessible by travelling approximately 2 kilometres south of the town of Red Lake along Hwy 105, then turning northeast on Hwy 125 for approximately 9 kilometres to the town of Balmertown, from here turning northeast on Nunggessor Road for approximately 17.5 kilometres to Pine Ridge Road. From this point, travelling west to along Pine Ridge and McIntosh Roads for approximately 62 kilometres to the western claim block, see Figure 2. Access to the eastern claim block is best achieved by boat travelling west from the town of Red Lake to the west end of Pipestone Bay.

The topography in the area is comprised of moderately flat-lying ground with gentle - moderate rolling hills. The vegetation is generally comprised of a variety of second growth trees. The result is poor-moderate outcrop exposure except where recent logging has taken place and along shorelines.





#### 5.0 LOCAL GEOLOGY

### **5.1 Regional Geology**

#### As per Russell, 2001:

"The Red Lake Greenstone belt records a 300 million year history of episodic volcanism, sedimentation, deformation, and mineralization. The Balmer assemblage, host to current and past-producing gold mines, consists of tholeiitic and komatiitic lava flows, ultramafic intrusive rocks, intercalated with 2.98-2.96-billion-year-old (Ga) felsic volcanic, clastic, and chemical sedimentary rocks. The Ball assemblage comprises crustally contaminated komatiite, tholeiitic basalt, 2.94-2.92 Ga calc-alkaline, felsic volcanic rocks, and stromatolitic carbonate. The Slate Bay assemblage of quartz-rich wacke and conglomerate, with an age less than 2.91 Ga, records accumulated Balmer-age material, prior to the 2.89 Ga intermediate pyroclastic volcanism and sedimentation of the Bruce Channel assemblage. The Confederation assemblage rests unconformably on the Balmer, and consists of basal conglomerate, 2.74 Ga FIII-type rhyolite, tholeiitic basalt with volcanogenic-massive-sulphide-style alteration-mineralization, and 2.73 Ga calcalkaline pyroclastic rocks. Polyphase deformation involved pre-Confederation tilting and at least two episodes of post-Confederation deformation reflected in folds and fabrics of low to moderate finite strain."

#### **5.2 Property Geology**

#### As per Bolen, 2008:

"The property is underlain by an intercalated package of mafic and felsic volcanics, chemical sediments (chert/magnetite) and minor clastic sediments. Gabbro sills intrude the package, generally as conformable units. The volcano/sedimentary package is bound on the south by the Granitic Douglas Lake Stock and to the north by the Granitic Lund Lake Stock. The volcano/sedimentary package is wedge shaped widening to the south east. Generally, strike is approximately 120 degrees with a 60-70-degree dip to the north east. Iron Formations as chert magnetite dominate the chemical sediments. Strong folding and brecciation of the BIF is evident with no sulphide replacement or alteration. Sulphides are conspicuously absent with only occasional pyrite grains seen as disseminations, locally up to 0.25%."

The package of rocks mentioned above is intruded by a large peridotite body of unknown age which underlies most of Pipestone Bay (Allen, 2002(1)).

#### 6.0 EXPLORATION HISTORY

In July of **1947** Holdmar Red Lake Gold Mines Limited conducted a magnetic survey on cut lines partially in Ball Township and partially in the Indian House Lake Area, in order to delineate geological boundaries and other features. The possible presence of a fold with an axial plane striking southeast was noted based on results, as well as an associated fault. It was also noted that the sediments in the eastern part of the property were 'disturbed' and should be targeted for drilling. It was also recommended to target iron formations on the property, which are 'plentiful in the vicinity of the fault.' (Keevil & Maurice, 1947)

In the summer of **1948**, trenching occurred on the Ball Township Property (held by Biron Bay Gold Mines Limited in 1971) approximately 20 miles west of Red Lake. The primary target was the 'Main Zone,' traced for a strike length of 1850 feet, which returned gold assays of over 1 ounce per ton and zinc assays up to 6.14%. In **1952**, two samples were collected on the property and returned tungsten assays up to 0.72%. (Evans, 1971)

In September of **1966**, Cochenour Explorations drilled three diamond drill holes on claims 53811 (hole PS66-57), 53801 (hole PS66-58) and 53809 (hole PS66-59). PS66-57 intersected mainly feldspar porphyry, iron formation and cherty sediments, returning trace Au. PS66-58 intersected mainly feldspar porphyry and returned insignificant Au, Ag and Mo. PS66-59 intersected mainly schistose feldspar porphyry (with biotite) and iron formation and returned insignificant Au, Ag, Cu, Zn and Ni. (Gislason, 1967)

In the summer of **1968**, Aiken-Russet Gold Mines Limited carried out geologic mapping and ground magnetic surveys on a number of claim groups including the Pipestone Bay Point Group, which was found to be underlain by andesitic pillow lavas, in contact with a 'feldspathic syenite' to the north containing coarse red garnets, believed to be a phase of the granitic batholith to the north. Magnetic relief was found to be flat over this area (KuryLiw, 1968)

In 1969 Cochenour Explorations Limited conducted a mapping, soil sampling and a ground horizontal loop electromagnetic survey on a grid covering the West Pipestone Claim Group in the Indian House Lake Area. Soils returned 20 to 30ppm Zn in certain areas, but generally returned discouraging results. Five conductors were discovered which were interpreted to correspond to iron formation units. (Chastko, 1969)

In the winter of **1971**, a magnetic and electromagnetic geophysical survey was carried out on the Ball Township property (of Biron Bay Gold Mines Limited) approximately 20 miles west of Red Lake. Six conductors were located, some of which had magnetic associations and which the report author thought may have sulphide associations. The property was considered to be favorable for base and precious metal deposition, given known showings of gold, zinc, copper and tungsten, and given underlying geology of felsic tuffs and intrusive diorites to quartz diorites. (Evans, 1971)

In 1973, Kerr Addison Mines conducted a magnetic and electromagnetic survey on the Cole Gold Mines Property (and on 24 adjoining claims held by Kerr Addison) in the Pipestone Bay area, as well as a 19-hole diamond drill program. The magnetometer survey outlined a magnetic low in the southwest part of Pipestone Bay, and diamond drilling yielded infrequent gold anomalies restricted to narrow widths. (Wilson, 1973)

In September and October of **1974**, William Stupack conducted a diamond drilling program of one hole on claim number KRL 374997 northeast of MacIntosh Lake and South of Lund Lake. From the log it appears that 'talc material', then rhyolite, diorite and porphyry were intersected downhole. (Stupack, 1974)

In the spring of **1981**, Biron Bay Resources Limited conducted a ground geophysical survey in the west Pipestone Bay area in Ball Township, to follow up on a 1978 Ontario Geological Survey airborne survey. A large number of conductors were discovered, and it was recommended that 37 of them be tested for eventual diamond drilling. (Vamos, 1981)

In the late winter and early spring of **1984**, Biron Bay Resources Limited conducted a ground electromagnetic survey on eight claims over the waters of Pipestone Bay (part of a larger group of claims held by Biron Bay Resources, which also saw work which was described in a separate report). The survey did not indicate any major conductive features, though it was noted that precious metal deposits 'may show a weak geophysical response in a general sense, however, such weak responses may not manifest themselves on the ice surface above deep waters.' (Vamos, 1985)

In **1984**, Biron Bay Resources Limited conducted magnetic and electromagnetic surveys over the ice of Pipestone Pay. 8 conductive zones were located, some of which were interpreted as contact areas and some of which were interpreted to be a result of sulphide mineralization. One long conductive feature was interpreted as the contact of the Red Lake Greenstone Belt with the granitic pluton north of it. (Vamos, 1984)

In September of **2001**, Rubicon Minerals Corporation conducted an exploration program on claim KRL1185121 in northeastern Pipestone Bay, consisting of hand stripping of old trenches. 15 samples were collected from the trenches, where narrow sulphide-rich seams and quartz veins were discovered within quartzite and gabbro/anorthosite. These samples returned up to 25ppb Au. (Russell, 2001)

From October 15<sup>th</sup> to November 3<sup>rd</sup>, 2001, Rubicon Minerals Corporation conducted a helicopter-borne magnetic survey over the Pipestone South Property. It was determined that the geology of the area could be mapped via magnetic signature, with linear magnetic highs interpreted to correspond to ultramafic and mafic volcanic rocks as well as local iron formation. Discontinuities, shears or faults (faults trending N or NE generally) were inferred from disruptions of linear magnetic trends or by magnetic lows. (Killin, 2002)

During the summer of **2002**, Redstar Gold Corporation conducted a mapping and prospecting program on the Pipestone South Property on the North Shore of Pipestone Bay (Red Lake), with special focus on the northwest trending Hemlo Deformation Zone documented by Hemlo Gold Mines Ltd (Harper, 1994). One grab sample returned 10.15gpt Au from a mineralized quartz vein. (Allen, 2002 (1))

In July of **2002**, Redstar Gold Corporation conducted a 1-day mapping and sampling program on the Pipestone North Property on the north shore of Pipestone Bay. 3 samples were collected and returned up to 13.05gpt Au (22.72gpt Au from metallic screen) from smokey quartz veining with chalcopyrite in felsic volcanics. (Allen, 2002 (2))

Between June 26<sup>th</sup> and August 15<sup>th</sup> **2003**, Redstar Gold Corporation carried out a mechanical stripping program on the Biron Bay Property, located at the west end of Pipestone Bay of Red Lake, based on reconnaissance prospecting in June of 2003 which returned up to 18.4gpt Au from a quartz vein with chalcopyrite. Channel sampling of four zones in an east-southeast corridor returned up to 22.1gpt Au over 0.5m at the 'Ledge 2' Zone. (Singh & Falls, 2003 (1))

During the summer of **2003**, Redstar Gold Corporation carried out a mapping and sampling program on the Biron Bay, Pipestone North and Pipestone South properties (Pipestone West properties), the first acquired from Biron Bay Resources in 2003 and the latter two acquired from Rubicon Minerals Corporation in 2002. Several new showings were discovered, sometimes in the vicinity of old pits and trenches from the Red Lake Gold Rush. These were channel sampled as part of a mechanical stripping program described in a separate report (52M01SE2034). Of the showings discovered, priority diamond drilling was recommended at the Ledge (Ledge 1, Ledge2) showings, which are on a 375m long structure up to 2.5m wide containing up to 22.1gpt Au over 0.5m, as well as the 991 showing which returned up to 4.4gpt Au over 0.5m, with visible gold in quartz veins in brecciated felsic volcanics close to a folded ultramafic horizon. (Singh & Falls, 2003 (2))

During the winter of **2004**, Redstar Gold Corporation carried out a 4-hole diamond drill program, targeting the 'Ledge' showings on the Biron Bay Property and the '991' showing on the Pipestone North Property. Hole RGC-003, testing the Ledge1 vein, yielded the best results on the Biron Bay Property, returning 7.66gpt Au over 0.91m, including 30.9gpt Au over 0.14m. Hole RGC-004 tested the 991 showing within felsic volcanics and the contact area between the felsic rocks and the ultramafic rocks to the north. It intersected a '200m wide zone of strongly quartz and sericite altered felsic stratigraphy.' This zone returned up to 0.23% Cu over 5.5m, with isolated gold values up to 228ppb Au over 0.5m. (Singh, 2005)

From August 2<sup>nd</sup> to August 6<sup>th</sup>, **2008** Halo Resources Ltd. carried out a mapping and sampling program on their Pipestone Bay Property northeast of MacIntosh Lake and west of Pipestone Bay, under option from Rubicon Minerals Ltd. Property geology was determined to consist of mafic to felsic metavolcanics, chert/magnetite iron formation and minor clastic sediments, generally trending at 120 degrees, with a 60-70 degree dip to

the northeast. Grab samples returned up to 689ppb Au from banded iron formation near a contact with felsic tuff. (Bolen, 2008)

#### 7.0 WORK PROGRAM DESCRIPTION

The program consisted of two days of travel and eight days of reconnaissance prospecting on the Pipestone Bay Property.

Twenty-seven rock grab samples were collected (see Table 1). Grab samples were collected mainly in areas of previous blasting, trenching and drilling on the property.

In addition to the rock samples collected, several "Points of Interest" were collected at various locations, see Table 2. The "Points of Interest" table includes a variety of geological and non-geological information including outcrop photos, notes on local terrain, historical trenching, hand dug pits and trenches, structural observations etc. and are plotted on Figures 3 & 4. More than 90 photos were taken during the prospecting program, a few are presented in Appendix VII.

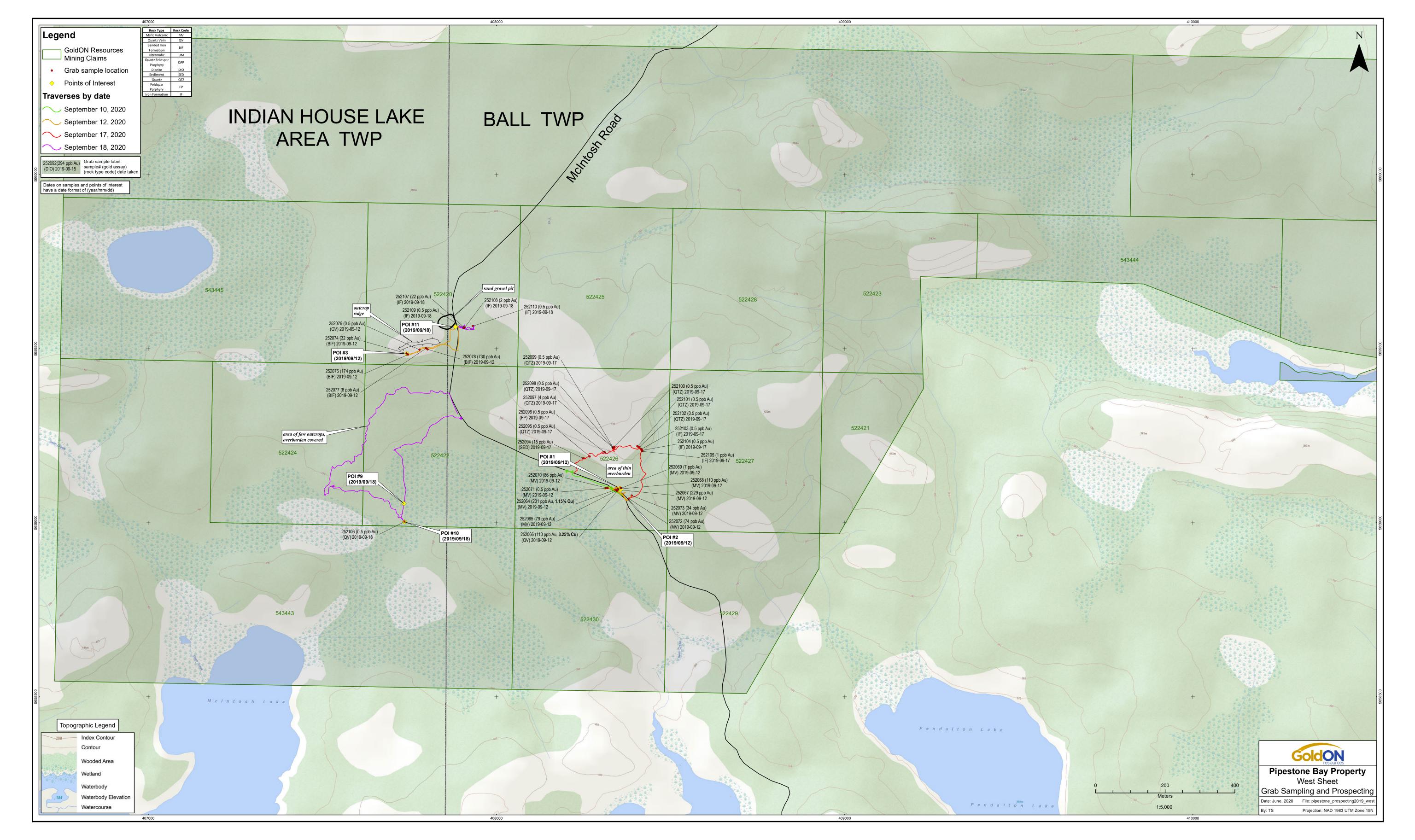
All samples were photographed in the field and a representative sample of each rock sample was kept for future reference.

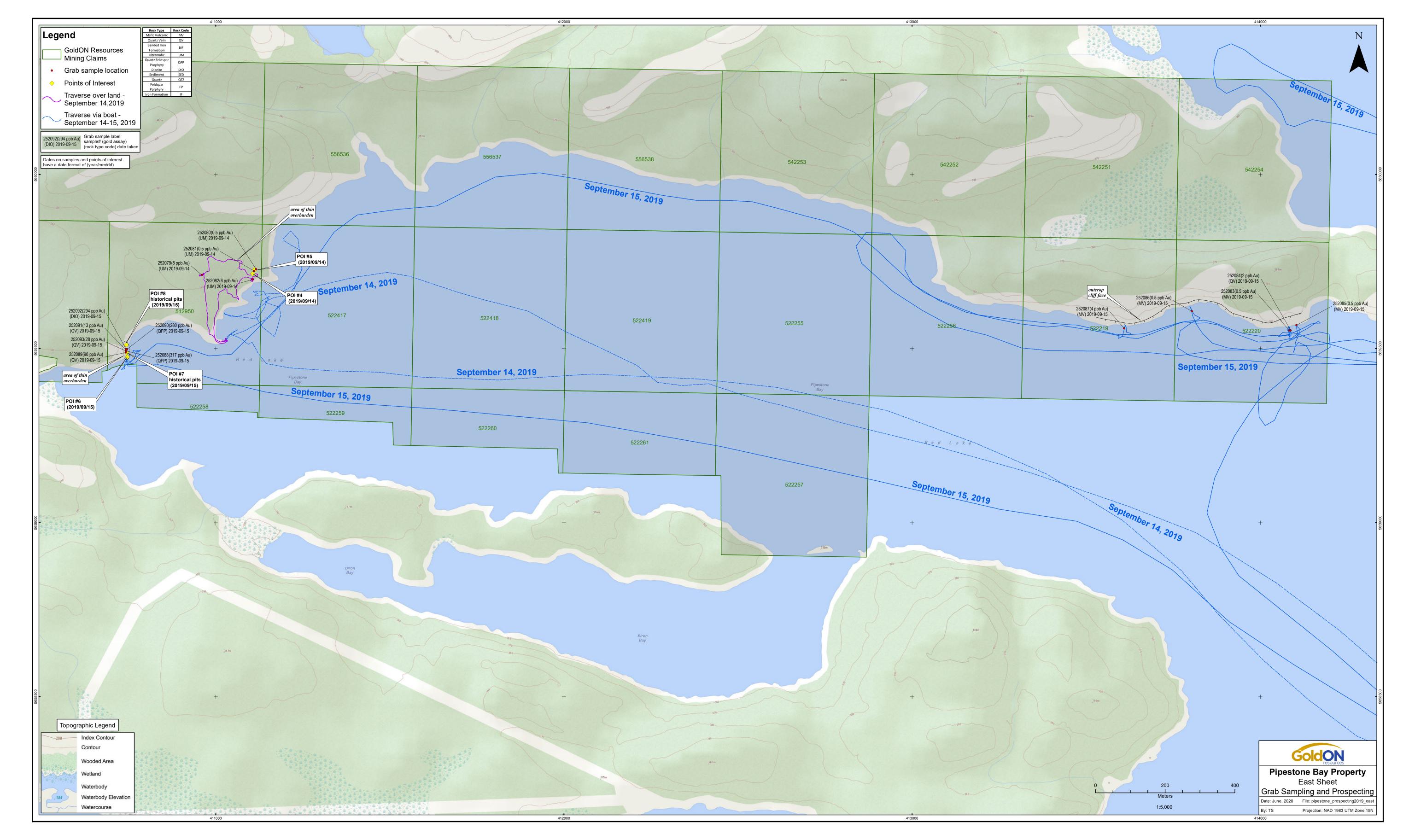
The work program was based out of Gullrock Lake Lodge, located on the west shore of Gullrock Lake. Travel to the work areas was carried out by truck and boat from the town of Red Lake.

All forty-seven rock samples collected were dropped off at SGS Laboratories in Red Lake and sent to Burnaby B.C from there. Rock analysis was by analytical Method Code G\_LOG, G\_PRP, GE\_FAI30V5 & GE\_ICP40Q12. Two samples (00252064 and 00252066) returned over-range copper grades which required additional analysis package GO\_ICP42Q100. Two samples (00252079 & 00252086) returned over-range magnesium grades which required additional analysis package GC\_ICP93A50.

Five samples (00252074, 00252075, 00252078, 00252107 & 00252110) returned over-range iron grades which required over-limit additional analysis package GO\_ICP90Q100.

Table 1 (Appendix I) provides a list of the 2019 rock sample numbers (00252064 to 00252110), rock type, alteration, mineralization, and UTM co-ordinates. The rock assay Certificate of Analysis from SGS Laboratories are presented in Appendix II. Table 2 (Appendix III) provides a list of the 2019 Points of Interest, Appendix IV a description of the SGS Laboratories analytical packages, Appendix V a list of claims – cells, and Appendix VI provides several field photos.





#### 8.0 RESULTS and CONCLUSIONS

The main objectives of the current program were to document areas of historical exploration work and generate new targets through sampling and prospecting (including extensions to historical zones).

#### **RESULTS**

#### **Pipestone West Claim Block Results**

A total of 32 grab samples were collected on this claim block during the 2019 program.

Nine (9) grab samples (00252074-00252078, 00252107-00252110), were collected in an area close to or up to 180m west of the McIntosh Road, where sampling in 2008 by Halo Resources Ltd. had returned up to **689ppb Au** from iron formation. Sampling in 2019 returned up to **730ppb Au** & **112ppm Zn** (00252078) from banded iron formation with minor black quartz. Sampling also returned up to **328ppm Cr**, **6406ppm Mn** (00252107) and **47ppm W** (00252075).





Ten (10) grab samples (00252064-00252073) were collected adjacent to the McIntosh Road where MDI showing 52M01SW00006 is located.

These consisted largely of variably sheared and silicified mafic volcanics with up to 2% pyrite and up to 20% chalcopyrite. The shear in this location trends ~300/70 degrees NNE. Up to **229ppb Au** (00252067) and **110ppb Au**, **32ppm Ag**, **3.25% Cu** & **43ppm Pb** (00252066) were returned from samples here. Sampling also returned up to **234ppm Mo** (00252070) and **60ppm Co** (00252064).





Twelve (12) grab samples (00252094-00252105) were collected ~100m north of the previous MDI showing, close to where historical diamond drill hole PS 66-57 was collared, and consisted largely of black quartz in rusty iron formation, as well as feldspar porphyry. Up to **15ppb Au** (00252094) was returned from weakly sheared metasediments, with the shear trending 285/75 degrees NE. Sampling also returned up to **5604ppm Mn** (00252102) and **624ppm W** (00252098).

One (1) grab sample (00252106) was collected 330m southwest of the McIntosh Road at the edge of the western boundary of the claim block, consisting of a 5cm quartz block from sheared mafic volcanics (at 110 degrees). This sample returned **<1ppb Au**.

#### **Pipestone East Claim Block Results**

A total of 15 grab samples were collected on this claim block during the 2019 program.

Six (6) grab samples (00252088-00252093) were collected on the west shore of Pipestone Bay close to the western boundary of the claim block. These consisted of sheared and altered felsic rocks (may be quartz + feldspar volcanics/flows/intrusives as described by Singh, 2005) with quartz veining and up to 1-2% chalcopyrite, trace malachite and minor iron carbonate alteration. The shear trends ~290/70 degrees NE. Up to 317ppb Au (00252088) was returned from samples here. Several old hand-dug north-south trenches are present in this location. Sampling also returned up to 9772ppm Cu, 23ppm Ag, 277ppm Ni, 149ppm Co, 21ppb Pb & 1631ppm Zn (00252092). Redstar Gold Mines Ltd. worked here in 2002 and collected samples of quartz veining with chalcopyrite which returned up to 22.72gpt Au (Allen, 2002 (2)). This zone was drill-tested in 2004 and returned sporadic gold values up to 228ppb / 0.5m within a 200m zone of quartz-and-sericite-altered felsic stratigraphy, as well as up to 0.23% Cu over 5.5m (Singh, 2005).

Sheared felsic rocks on west shore of Pipestone Bay look SE



Four (4) grab samples (00252079-00252082) were collected north of the previous QFP zone close to the western shore of Pipestone Bay within weakly sheared ultramafic rocks with minor quartz-carbonate alteration. These returned up to **8ppb Au**, **104ppm Co** & **2073ppm Ni** (00252079), **2969ppm Cr** & **74ppm Pb** (00252082) and **1122ppm Zn** (00252081).

Five (5) grab samples (00252083-00252087) were collected on the north shore of Pipestone Bay and consisted of weakly-moderately sheared mafic volcanics with minor-moderate quartz carbonate alteration, minor quartz stringers/veins and trace-0.5% pyrite. These returned up to **4ppb Au** (00252087).

Sampling also returned up to **70ppm Co**, **1875ppm Cr** & **603ppm Ni** (00252086) and **93ppm Zn** (00252085).

#### DISCUSSION OF RESULTS

The 2019 program was successful in identifying areas of interest for further gold exploration.

In the western claim block, results of up to **730ppb Au** from banded iron formation, and up to **3.25% Cu** (**110ppb Au**, **32ppm Ag**) from sheared, silicified mafic volcanics with quartz stringers and chalcopyrite were obtained. Shearing in the area trends ~290-300 degrees with a dip of about 70 degrees to the northeast. Gold values have been identified approximately 700m along strike and 150m across strike from each other. However, samples north of MDI showing 52M01SW00006 (**3.25% Cu**) did not return significant gold.

In the eastern claim block, the main area of interest identified in 2019 consists of sheared quartz feldspar felsic volcanics / flows / intrusives with quartz veining and chalcopyrite on the west shore of Pipestone Bay, with results of up to **317ppb Au** and up to **9772ppm Cu** obtained. The shear here trends 290/70 degrees north, similar to shearing in the western claim block, and disappears in Pipestone Bay which is oriented in roughly the same direction. Gold-bearing samples have been collected about 10m across strike from one another.

#### 9.0 RECOMMENDATIONS

- A backhoe stripping and channel sampling program at the MDI showing where grabs samples returned up to 3.25% Cu and up to 730ppb Au from iron formation in the west claim block, followed by drilling if warranted. This area is accessible by the Pine Ridge / McIntosh Roads.
- Possible drill testing on the west shore of Pipestone Lake where Redstar Gold Mines Ltd. drilled hole RGC-004, and/or drilling along strike to the southeast on the ice of Pipestone Bay. This area may be accessible from the Pine Ridge Road to the northwest.

#### STATEMENT of EXPENDITURES 10.0

The following is a breakdown of expenditures related to the fall 2019 prospecting program on the Pipestone Bay Property.

#### Labour:

Preparation, field work & travel		
Bruce MacLachlan and Coleman Robertson	\$	8,775.00
Report Writing		
Bruce MacLachlan and Coleman Robertson	\$ .	3,000.00
Associated Costs:		
Groceries and Meals	\$	359.29
Travel and Transportation (2486km @ \$0.50/km)		1,243.00
Cabin Rental	\$	1,023.58
Motel	\$	144.14
Boat Rental	\$	679.58
Analytical Costs:		
SGS (47 rock samples)	\$ 2	2,285.60
TOTAL EXPENDITURES	<b>\$</b> 1'	7,510.19

## 10.1 EXPENDITURES by CELL

Cell No.	Rock Samples Collected per Cell	Exp	enditure per Cell
512950	10	\$	3,741.75
522219	1	\$	368.57
522220	4	\$	1,517.53
522420	9	\$	3,378.88
522422	1	\$	368.57
522426	22	\$	8,134.89
Total		\$	17,510.19

#### 11.0 PERSONNEL

The following is a list of persons that carried out the prospecting program on the Pipestone Bay Property:

Bruce MacLachlan (Supervisor)

11 Days

222 Emerald Street,

Timmins, Ontario, P4R 1N3

(Travel & field work, 9 days)

(2.0 day's report preparation)

13 Days

Coleman Robertson 815a Maitland Ave.

Ottawa, Ontario

K2A 2S2

(Travel & field work, 9 days)

(4.0 day's report preparation)

**Total Days 24** 

### 12.0 STATEMENT of QUALIFICATIONS

- I, Bruce A. MacLachlan, of the City of Timmins, Province of Ontario do hereby certify that:
- 1. I am a geological technician and prospector residing at: 222 Emerald Street, Timmins, Ontario, P4R 1N3.
- 2. I have continuously practised my profession for over 35 years. I have prepared reports, conducted, supervised and managed exploration programs for several major and junior mining companies including Noranda Exploration Company Limited, CanAlaska Uranium Ltd and Noront Resources Ltd., Bold Ventures Inc. and Canadian Orebodies Inc.
- 4. As author of this report and supervisor of the work program, I am familiar with the material covered in the report.
- 5. I have no direct or indirect interest in the Pipestone Bay Property.
- 6. Permission is granted for use of this report, in whole or in part, for assessment and qualification requirements.

DATED at Timmins, Ontario, this 3<sup>rd</sup> day of February 2020.

"Bruce A. MacLachlan" P. Geo (Limited) APGO No. 1025

(Signed and Sealed)

Bruce A. MacLachan LIMITED MEMBER

2099840 Ontario Inc. BRUCE A. MACLACHLAN

"Emerald Geological Servi

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# APPENDIX I

# **Rock Sample Descriptions (Table 1)**

#### Grab Sample Descriptions Table-1

	1	ı			1	l			1	T.	
Sample_No.	Date	Easting	Northing	Elevation	Au (ppb) GE_FAI30V5	Area	Description	Claim_Cell	Sample_Type	Rock_Type	Rock_Code
252064	12-Sep-19	408342	5659095	394	201	Pipestone W old MDI location	Rusty, weakly sheared, silicified mafic volcanic, 5% pyrite. Shear trends ~292/70 degrees NNE.	rite. Shear 522426 Outcrop		Mafic Volcanic	MV
252065	12-Sep-19	408346	5659093	394	79	Pipestone W old MDI location	Weakly-moderately sheared mafic volcanic with 0.5cm recrystallized, white-grey quartz stringer. 0.5% chalcopyrite, 0.5% pyrite, more in stringer than wall rock. Minor-moderate rust. Shear trends ~314/69 degrees NNE.	522426	Outcrop	Mafic Volcanic	MV
252066	12-Sep-19	408347	5659092	394	110	Pipestone W old MDI location	2cm glassy, recrystallized, grey to locally black quartz stringer with 20% chalcopyrite, trace pyrite, in mafic volcanic from fractured outcrop.	522426	Outcrop	Quartz Vein	QV
252067	12-Sep-19	408349	5659095	394	229	Pipestone W old MDI location	Rusty, weakly sheared, highly silicified mafic volcanic with 1-2% pyrite, 1% chalcopyrite. 1-2cm bleached and folded band. Shear trends 298/70 degrees NNE. Strong shear nearby trends ~288/70 degrees NNE.	522426	Outcrop	Mafic Volcanic	MV
252068	12-Sep-19	408349.5	5659096.5	394	110	Pipestone W old MDI location	Moderately to highly silicified mafic volcanic with 1-2mm pyrite/chalcopyrite stringer, 1-2% pyrite, 2-3% chalcopyrite overall, 1% sulphides in host rock.	522426	Outcrop	Mafic Volcanic	MV
252069	12-Sep-19	408358	5659099	392	7	Pipestone W old MDI location	Silicified mafic volcanic in old hand-dug NNE-trending trench, trace- 1% pyrite, fractures at ~300 degrees/mod-steep dip to NNE.	522426	Outcrop	Mafic Volcanic	MV
252070	12-Sep-19	408320	5659099	391	86	Pipestone W old MDI location	Rusty, weakly sheared, moderately-highly silicified mafic volcanic, 1% chalcopyrite, 0.5% pyrite. Sulphides often in seams. Shear trends 292/70 degrees NNE.	522426	Outcrop	Mafic Volcanic	MV
252071	12-Sep-19	408315	5659099	391	<1	Pipestone W old MDI location	Rusty mafic volcanic with 1cm glassy, recrystallized, grey-white quartz stringer. Trace-0.5% pyrite. Fractured outcrop.		Outcrop	Mafic Volcanic	MV
252072	12-Sep-19	408381	5659069	395	74	Pipestone W old MDI location	Rusty, weakly sheared, weakly-moderately silicified, weakly schistose mafic volcanic with trace-0.5% pyrite, 1% chalcopyrite, often in seams. Large frost heave block.	522426	Frost Heave	Mafic Volcanic	MV
252073	12-Sep-19	408389	5659078	396	34	Pipestone W old MDI location	Rusty, weakly sheared, silicified mafic volcanic with 1% pyrite along shear planes.	522426	Outcrop	Mafic Volcanic	MV
252074	12-Sep-19	407742	5659486	412	32	Pipestone W near 2008 showing	Banded iron formation with ~1cm magnetite, chert and fine sediment bands, next to historical sample that reads "19035".	522420	Outcrop	Banded Iron Formation	BIF
252075	12-Sep-19	407746	5659483	412	174	Pipestone W near 2008 showing	Rusty, slightly folded banded iron formation, 2-3mm bands.	522420	Outcrop	Banded Iron Formation	BIF
252076	12-Sep-19	407779	5659497	412	<1	Pipestone W near 2008 showing	5-10cm glassy, white-grey quartz vein in iron formation.	522420	Outcrop	Quartz Vein	QV
252077	12-Sep-19	407798	5659501	416	8	Pipestone W near 2008 showing	Rusty banded iron formation.	522420	Outcrop	Banded Iron Formation	BIF
252078	12-Sep-19	407802	5659498	416	730	Pipestone W near 2008 showing	Rusty banded iron formation with minor black quartz. Fractured outcrop.	522420	Outcrop	Banded Iron Formation	BIF
252079	14-Sep-19	410960	5659711	373	8	Pipestone Bay Ultramafic	Very magnetic ultramafic rock, seems a bit silicified, weakly sheared at ~115 degrees if compass was not affected by magnetism. 0.5% fine disseminated magnetite.	512950	Outcrop	Ultramafic	UM
252080	14-Sep-19	411116	5659728	366	<1	Pipestone Bay Ultramafic	Weakly sheared ultramafic with minor-moderate quartz-carb veinlets/stockwork, minor rust. Fractured outcrop. Shear trends ~115 degrees.	512950	Outcrop	Ultramafic	UM
252081	14-Sep-19	411110	5659723	369	<1	Pipestone Bay Ultramafic	Weakly sheared ultramafic with minor iron carbonate rust patches, minor quartz-carb alteration. Shear trends ~115 degrees.  512950 Outcrop		Ultramafic	UM	
252082	14-Sep-19	411106	5659699	366	6	Pipestone Bay Ultramafic	Very rusty, moderately sheared ultramafic from frost heave/fractured outcrop.	512950	Frost Heave	Ultramafic	UM
252083	15-Sep-19	414084	5659552	355	<1	Pipestone Bay N Shore	Rusty, weakly sheared mafic volcanic with minor quartz stringers, weak-moderate quartz-carb alteration. Trace-0.5% pyrite. Fractured outcrop on shore.	522220	Outcrop	Mafic Volcanic	MV
252084	15-Sep-19	414088	5659552	355	2	Pipestone Bay N Shore	5-6cm glassy to sugary, smoky grey to white quartz vein in mafic shear, some banding of mafic wall rock within. Fractured outcrop on shore.	522220	Outcrop	Quartz Vein	QV

252085	15-Sep-19	414104	5659567	359	<1	Pipestone Bay N Shore	Rusty, weakly sheared, weakly schistose mafic volcanic with minor quartz-carb alteration, trace pyrite. Fractured outcrop on shore.	522220	Outcrop	Mafic Volcanic	MV
252086	15-Sep-19	413804	5659607	359	<1	Pipestone Bay N Shore	Rusty, weakly-moderately sheared, weakly-moderately schistose mafic volcanic with minor quartz-carb alteration, minor sericite. Fractured outcrop on shore.	522220 Outcrop		Mafic Volcanic	MV
252087	15-Sep-19	413609	5659558	359	4	Pipestone Bay N Shore	Rusty, weakly sheared mafic volcanic with minor quartz-carb alteration, trace pyrite. Fractured outcrop on shore.	522219	Outcrop	Mafic Volcanic	MV
252088	15-Sep-19	410743	5659493	362	317	Pipestone Bay W Shore	Rusty, moderately-highly silicified, weakly-moderately foliated quartz feldspar porphyry. Rubble in old hand-dug trench.	512950	Rubble	Quartz Feldspar Porphyry	QFP
252089	15-Sep-19	410742	5659489	362	90	Pipestone Bay W Shore	3-4cm glassy, grey-white to locally smoky quartz stringer in altered wall rock, appears to be more mafic than the qfp previously observed.  Outcrop in old hand-dug trench.	512950	Outcrop	Quartz Vein	QV
252090	15-Sep-19	410745	5659498	350	280	Pipestone Bay W Shore	Highly silicified, altered quartz feldspar porphyry with <1cm grey to smoky grey quartz stringer with multiple specks/blebs of chalcopyrite, trace overall, as well as minor rust, trace malachite, minor ankerite.  Fractured outcrop.	512950	Outcrop	Quartz Feldspar Porphyry	QFP
252091	15-Sep-19	410742.5	5659495.5	351	13	Pipestone Bay W Shore	0.5m glassy, white-grey quartz vein in sheared porphyry. Some wall rock in sample.	512950	Outcrop	Quartz Vein	QV
252092	15-Sep-19	410742.5	5659498	351	294	Pipestone Bay W Shore	Rusty, porphyritic diorite (?) with 1-2% chalcopyrite. Appears to be frost heave block on small hill facing E.	512950	Frost Heave	Diorite	DIO
252093	15-Sep-19	410742.5	5659492.5	351	28	Pipestone Bay W Shore	Glassy, grey-white to locally smoky grey-black quartz stringer in porphyry shear. Trace chalcopyrite.	512950	Outcrop	Quartz Vein	QV
252094	17-Sep-19	408249	5659185	392	15	Pipestone W north of road near old drill hole	Rusty, weakly sheared, finely laminated sediments with weak- moderate quartz-carb alteration, minor quartz along shear planes, 0.5% pyrite. 285/75 degrees NNE.	522426	Outcrop	Sediment	SED
252095	17-Sep-19	408268	5659190	396	<1	Pipestone W north of road near old drill hole	Quartz bleb/vein in feldspar porphyry. Contact with sediments slightly to south, trending ~285 degrees.	522426	Outcrop	Quartz	QTZ
252096	17-Sep-19	408311	5659202	401	<1	Pipestone W north of road near old drill hole	Weakly sheared feldspar porphyry with 1cm quartz stringer along shear planes, trace pyrite within the quartz. Shear trends ~195/73 degrees NNE.	522426 Outcrop		Feldspar Porphyry	FP
252097	17-Sep-19	408335	5659215	412	4	Pipestone W north of road near old drill hole	Rusty, glassy, granular, black to white-grey quartz block with trace pyrite, minor sericite. Possible recrystallized chert from iron formation, with additional quartz injection (?).	522426 Frost Heave		Quartz	QTZ
252098	17-Sep-19	408335.3	5659215	412	<1	Pipestone W north of road near old drill hole	Rusty, glassy, granular, black to white-grey quartz block with trace pyrite, minor sericite.	522426	Frost Heave	Quartz	QTZ
252099	17-Sep-19	408335.6	5659215	412	<1	Pipestone W north of road near old drill hole	Rusty, glassy, granular, black to white-grey quartz block with trace pyrite, minor sericite.	522426	Frost Heave	Quartz	QTZ
252100	17-Sep-19	408337.6	5659218	412	<1	Pipestone W north of road near old drill hole	Rusty, glassy, granular, black to white-grey quartz block with trace pyrite, minor sericite.	522426	Frost Heave	Quartz	QTZ
252101	17-Sep-19	408405	5659219	413	<1	Pipestone W north of road near old drill hole	Rusty, glassy, granular, black to white-grey quartz in iron formation. Fractured outcrop.	522426	Outcrop	Quartz	QTZ
252102	17-Sep-19	408411	5659217.5	413	<1	Pipestone W north of road near old drill hole	Rusty, glassy, granular, black to white-grey quartz in iron formation, 0.5% pyrite as streaks/stringers. Chloritic layers within the quartz.	522426	Outcrop	Quartz	QTZ
252103	17-Sep-19	408415	5659211	408	<1	Pipestone W north of road near old drill hole	Rusty, weakly sheared iron formation with moderate glassy, granular, white-grey to black quartz.	522426	Outcrop	Iron Formation	IF
252104	17-Sep-19	408419	5659208	410	<1	Pipestone W north of road near old drill hole	<u> </u>	522426	Outcrop	Iron Formation	IF
252105	17-Sep-19	408419	5659205	410	1	Pipestone W north of road near old drill hole		522426	Outcrop	Iron Formation	IF
252106	18-Sep-19	407736	5659003	389	<1	Pipestone W SW claims	~5cm glassy, white-grey quartz block from fractured outcrop. MV shear with quartz veins adjacent to block trends ~110 degrees. Minor rust.	522422	Outcrop	Quartz Vein	QV
252107	18-Sep-19	407907	5659561	410	22	Pipestone W near road	Iron formation with 'polyhedral' 1cm rusty nodules in dark grey, micarich (sediment?) matrix.	522420	Frost Heave	Iron Formation	IF
252108	18-Sep-19	407908.5	5659560.5	410	2	Pipestone W near road	Rusty, weakly-moderately sheared, altered, cherty iron formation.  Trace pyrite. Non-magnetic.	522420	Outcrop	Iron Formation	IF
252109	18-Sep-19	407906	5659559	416	<1	Pipestone W near road	Rusty, altered, cherty iron formation.	522420	Outcrop	Iron Formation	IF
252110	18-Sep-19	407932	5659565	420	<1	Pipestone W near road	Banded iron formation with ~60% chert, 40% magnetite, strongly magnetic.	522420	Outcrop	Iron Formation	IF

## APPENDIX II

## **Rock Assay Certificates (SGS Labs)**



#### **ANALYSIS REPORT BBM19-01282**

COD SGS MINERALS - GEOCHEM VANCOUVER GOLDON RESOURCES- BRUCE MACLACHLAN SGS CANADA INC 3260 PRODUCTION WAY **BURNABY V5A 4W4** BC

Order Number	PO:	Date Received	27-Sep-2019
Project	GOLDON RESOURCES	Date Analysed	03-Oct-2019 - 14-Nov-2019
Submission Number	GoldON-4/ 47 Rocks	Date Completed	14-Nov-2019
Number of Samples	47	SGS Order Number	BBM19-01282

**CANADA** 

Methods Summary	<u></u>	
Number of Sample	Method Code	Description
47	G_WGH_KG	Weight of samples received
47	GE_FAI30V5	Au, Pt, Pd, FAS, exploration grade, ICP-AES, 30g-5mL
47	GE_ICP40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-12ml
2	GO_ICP42Q100	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-100ml
2	GC_ICP93A50V	Na2O2 Fusion, ICPAES, 0.1g-50ml, Zr crucibles
5	GO_ICP90Q100	Ore grade Na2O2 Fusion, HNO3, ICPAES, 0.2g-100ml

**Authorised Signatory** 

John Chiang **Laboratory Operations** 

Manager

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WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement puposes.

> - not analysed -- element not determined | I.S. insufficient sample | L.N.R. listed not received

14-Nov-2019 5:05PM BBM\_U0001358388 Page 1 of 16 MIN-M\_COA\_ROW-Last Modified Date: 05-Nov-2019



Order Number Project

PO:

**GOLDON RESOURCES** 

GoldON-4/47 Rocks

Submission Number **Number of Samples** 

47

## **ANALYSIS REPORT BBM19-01282**

Element	Wtkg	@Au	@Pt	@Pd	@Ag	@AI
Method	G_WGH_KG	GE_FAI30V5	GE_FAI30V5	GE_FAI30V5	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	1	10	1	2	0.01
Upper Limit		10,000	10,000	10,000	100	15
Unit	kg	ppb	ppb	ppb	ppm m / m	%
00252064	0.49	201	-	-	9	6.45
00252065	0.61	79	-	-	2	7.49
00252066	0.31	110	-	-	32	5.04
00252067	0.63	229	-	-	7	7.22
00252068	0.53	110	-	-	3	7.20
00252069	0.25	7	-	-	<2	7.48
00252070	0.58	86	-	-	2	7.83
00252071	0.38	<1	-	-	<2	5.95
00252072	0.56	74	-	-	<2	7.59
00252073	0.67	34	-	-	<2	7.90
00252074	0.34	32	-	-	<2	0.51
00252075	0.64	174	-	-	<2	0.26
00252076	0.48	<1	-	-	<2	1.35
00252077	0.49	8	-	-	<2	2.48
00252078	0.54	730	-	-	<2	0.19
00252079	0.60	8	<10	3	<2	1.04
00252080	0.74	<1	10	11	<2	8.34
00252081	0.72	<1	<10	11	<2	6.55
00252082	0.62	6	<10	1	<2	0.98
00252083	0.88	<1	-	-	<2	7.99
00252084	0.91	2	-	-	<2	0.97
00252085	0.67	<1	-	-	<2	8.13
00252086	0.63	<1	-	-	<2	4.62
00252087	0.55	4	-	-	<2	7.96
00252088	0.50	317	-	-	15	8.55
00252089	0.58	90	-	-	<2	5.10
00252090	0.55	280	-	-	<2	8.36
00252091	0.27	13	-	-	<2	7.46
00252092	0.63	294	_	-	23	7.33

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number Project

PO:

**GOLDON RESOURCES** 

GoldON-4/47 Rocks

Submission Number **Number of Samples** 

47

## **ANALYSIS REPORT BBM19-01282**

Element	Wtkg	@Au	@Pt	@Pd	@Ag	@AI
Method	G_WGH_KG	GE_FAI30V5	GE_FAI30V5	GE_FAI30V5	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	1	10	1	2	0.01
Upper Limit		10,000	10,000	10,000	100	15
Unit	kg	ppb	ppb	ppb	ppm m / m	%
00252093	0.78	28	-	-	<2	1.54
00252094	0.67	15	-	-	<2	7.67
00252095	0.49	<1	-	-	<2	0.13
00252096	0.42	<1	-	-	<2	7.62
00252097	0.63	4	-	-	<2	0.35
00252098	0.58	<1	-	-	<2	0.68
00252099	0.47	<1	-	-	<2	0.86
00252100	0.58	<1	-	-	<2	1.14
00252101	0.40	<1	-	-	<2	0.10
00252102	0.41	<1	-	-	<2	0.40
00252103	0.37	<1	-	-	<2	0.33
00252104	0.42	<1	-	-	<2	1.1
00252105	0.64	1	-	-	<2	4.40
00252106	0.52	<1	-	-	<2	1.00
00252107	0.59	22	-	-	<2	8.12
00252108	0.32	2	-	-	<2	0.5
00252109	0.92	<1	-	-	<2	0.22
00252110	0.38	<1	-	-	<2	0.20
*Rep 00252084	-	-	-	-	<2	0.98
*BIk BLANK	-	-	-	-	<2	<0.0
*Std OREAS 520	-	-	-	-	<2	5.94
*Std PGMS25	-	518	430	1960	-	
*Std PGMS-27	-	4740	1330	2080	-	
*Rep 00252088	-	307	-	-	-	
*BIk BLANK	-	<1	<10	<1	-	
*Rep 00252103	-	<1	-	-	-	
*Std OREAS 520	-	-	-	-	<2	6.12
*Std OREAS 502b	-	-	-	-	2	7.5
*BIk BLANK	_	_	_	-	<2	<0.0

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project

PO:

**GOLDON RESOURCES** 

Submission Number

GoldON-4/47 Rocks

**Number of Samples** 47

## **ANALYSIS REPORT BBM19-01282**

Element	@As	@Ba	@Be	@Bi	@Ca	@Cd
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	3	1	0.5	5	0.01	1
Upper Limit	10,000	10,000	2,500	10,000	15	10,000
Unit	ppm m / m	%	ppm m / m			
00252064	<3	253	0.9	<5	2.90	<1
00252065	<3	250	0.7	10	4.49	<1
00252066	7	234	0.8	<5	0.93	<1
00252067	<3	319	1.3	<5	2.47	<1
00252068	5	305	0.9	<5	1.30	<1
00252069	3	558	1.3	<5	1.13	<1
00252070	<3	449	1.1	7	2.38	<1
00252071	<3	438	0.6	<5	0.41	<1
00252072	<3	331	0.8	<5	2.02	<1
00252073	<3	479	1.1	6	2.50	<1
00252074	6	<1	0.9	17	3.89	6
00252075	3	<1	0.9	20	4.28	6
00252076	<3	6	<0.5	<5	2.26	<1
00252077	4	11	1.0	10	4.34	2
00252078	6	<1	<0.5	10	2.11	1
00252079	6	<1	<0.5	10	0.19	<1
00252080	<3	16	0.6	16	11.83	<1
00252081	<3	15	1.0	16	12.23	6
00252082	5	159	<0.5	11	4.96	<1
00252083	<3	208	<0.5	11	6.94	<1
00252084	<3	59	<0.5	<5	0.79	<1
00252085	<3	541	<0.5	15	5.53	<1
00252086	<3	149	<0.5	8	1.85	<1
00252087	<3	59	<0.5	16	7.03	<1
00252088	<3	75	1.2	10	0.70	<1
00252089	<3	118	0.9	7	3.46	<1
00252090	<3	113	0.8	<5	0.73	<1
00252091	<3	87	0.7	<5	0.60	<1
00252092	<3	325	1.1	8	1.08	1(

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project

PO:

**GOLDON RESOURCES** 

Submission Number **Number of Samples** 

GoldON-4/47 Rocks 47

## **ANALYSIS REPORT BBM19-01282**

Element	@As	@Ba	@Be	@Bi	@Ca	@Cd
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	3	1	0.5	5	0.01	1
Upper Limit	10,000	10,000	2,500	10,000	15	10,000
Unit	ppm m/m	ppm m/m	ppm m / m	ppm m / m	%	ppm m / m
00252093	<3	29	<0.5	<5	0.26	<1
00252094	19	455	1.3	12	2.96	<1
00252095	<3	7	<0.5	<5	0.03	<1
00252096	<3	286	1.2	8	2.01	<1
00252097	<3	5	<0.5	6	1.26	<1
00252098	4	9	<0.5	<5	1.72	<1
00252099	<3	5	<0.5	<5	1.88	<1
00252100	<3	100	<0.5	<5	0.59	<1
00252101	<3	<1	<0.5	<5	0.84	<1
00252102	5	<1	<0.5	<5	2.19	<1
00252103	<3	<1	<0.5	<5	1.80	<1
00252104	<3	6	<0.5	5	2.25	<1
00252105	<3	182	0.9	8	0.57	<1
00252106	<3	28	<0.5	<5	0.64	<1
00252107	<3	244	0.6	22	1.38	1
00252108	<3	6	<0.5	<5	0.65	<1
00252109	<3	5	<0.5	<5	1.22	<1
00252110	8	<1	0.7	13	1.36	1
*Rep 00252084	<3	59	<0.5	<5	0.79	<1
*BIk BLANK	<3	<1	<0.5	<5	<0.01	<1
*Std OREAS 520	156	432	1.4	15	3.93	<1
*Std OREAS 520	149	612	1.5	28	3.95	2
*Std OREAS 502b	11	932	3.0	<5	2.57	<
*BIk BLANK	<3	<1	<0.5	<5	<0.01	<

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project

PO:

**GOLDON RESOURCES** 

GoldON-4/47 Rocks

Submission Number **Number of Samples** 

47

## **ANALYSIS REPORT BBM19-01282**

Element	@Co	@Cr	@Cu	@Fe	@K	@La
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	1	1	0.5	0.01	0.01	0.5
Upper Limit	10,000	10,000	10,000	15	15	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	%	%	ppm m / m
00252064	60	34	>10000	7.34	1.50	5.1
00252065	36	190	2238	7.62	1.79	2.2
00252066	58	8	>10000	6.39	1.98	5.7
00252067	7	22	4190	2.96	1.29	12.1
00252068	36	18	4492	3.54	1.41	13.8
00252069	13	12	95.9	1.98	3.01	9.8
00252070	17	23	2766	2.99	2.82	15.5
00252071	1	10	77.0	1.19	1.87	7.6
00252072	19	19	2986	2.64	1.36	12.3
00252073	17	16	1156	4.26	1.68	13.3
00252074	<1	8	<0.5	>15.00	0.07	<0.5
00252075	<1	3	<0.5	>15.00	0.03	<0.5
00252076	2	13	2.7	1.91	0.02	3.3
00252077	9	42	22.2	14.53	0.09	4.5
00252078	<1	44	<0.5	>15.00	0.03	<0.5
00252079	104	2128	<0.5	7.15	<0.01	<0.5
00252080	53	60	1.4	5.33	0.33	1.9
00252081	49	327	91.3	5.82	0.09	1.2
00252082	53	2969	175	12.23	0.07	0.6
00252083	47	206	88.4	7.45	1.26	2.5
00252084	8	91	20.0	1.89	0.22	0.9
00252085	47	83	104	7.33	1.09	2.0
00252086	70	1875	54.8	7.74	0.73	<0.5
00252087	34	175	70.6	7.90	0.38	0.8
00252088	12	41	202	2.76	0.87	17.4
00252089	50	31	164	3.71	1.24	19.7
00252090	5	26	331	0.99	0.77	4.9
00252091	3	28	20.3	0.78	0.56	4.8
00252092	149	38	9772	5.44	1.82	9.9

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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**ANALYSIS REPORT BBM19-01282 GOLDON RESOURCES** 

Project Submission Number **Number of Samples** 

GoldON-4/47 Rocks 47

Element	@Co	@Cr	@Cu	@Fe	@K	@La
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	1	1	0.5	0.01	0.01	0.5
Upper Limit	10,000	10,000	10,000	15	15	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	%	%	ppm m / m
00252093	2	59	105	0.75	0.29	1.4
00252094	5	24	95.0	2.54	2.83	13.5
00252095	<1	15	4.7	0.54	0.04	<0.5
00252096	2	16	19.0	1.63	1.57	19.5
00252097	3	35	68.7	2.31	<0.01	<0.5
00252098	6	35	87.7	3.28	0.03	<0.5
00252099	3	30	225	5.97	0.10	0.7
00252100	1	28	7.5	1.63	0.29	1.5
00252101	<1	35	5.0	3.68	<0.01	3.6
00252102	3	44	41.3	12.06	0.02	0.8
00252103	<1	69	12.1	6.20	0.02	0.8
00252104	<1	41	27.8	9.99	0.04	1.3
00252105	<1	54	66.8	5.74	1.01	11.5
00252106	10	131	6.2	1.67	0.19	0.5
00252107	<1	328	<0.5	>15.00	1.47	<0.5
00252108	1	23	30.7	4.15	0.05	0.0
00252109	1	36	12.9	2.43	<0.01	0.9
00252110	<1	34	<0.5	>15.00	<0.01	<0.5
*Rep 00252084	8	109	20.0	1.90	0.22	0.8
*BIk BLANK	<1	<1	1.0	<0.01	<0.01	<0.5
*Std OREAS 520	217	29	2799	>15.00	3.56	88.9
*Std OREAS 520	198	29	2923	>15.00	3.51	86.8
*Std OREAS 502b	17	61	7869	5.60	3.10	32.2
*BIk BLANK	<1	<1	1.1	<0.01	<0.01	<0.5

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number Project

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**GOLDON RESOURCES** 

GoldON-4/47 Rocks

Submission Number **Number of Samples** 

47

## **ANALYSIS REPORT BBM19-01282**

Element	@Li	@Mg	@Mn	@Mo	@Ni	@Na
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	1	0.01	2	1	1	0.01
Upper Limit	10,000	15	10,000	10,000	10,000	15
Unit	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m	%
00252064	29	1.79	367	69	52	0.68
00252065	42	4.18	791	3	116	0.80
00252066	21	0.23	105	13	11	0.54
00252067	20	0.29	135	43	5	1.62
00252068	22	0.43	117	30	8	2.98
00252069	46	0.57	161	2	3	1.42
00252070	24	0.55	239	234	10	2.05
00252071	22	0.28	83	3	1	1.96
00252072	26	0.52	141	6	14	2.53
00252073	43	1.28	274	41	7	2.34
00252074	<1	1.87	2856	1	<1	0.08
00252075	1	1.85	3894	1	<1	0.05
00252076	7	0.61	267	2	8	0.02
00252077	3	2.64	2432	1	22	0.21
00252078	<1	1.83	3839	4	<1	0.05
00252079	3	>15.00	837	<1	2073	0.01
00252080	66	5.66	1288	<1	156	0.10
00252081	38	7.27	1721	<1	137	0.19
00252082	20	10.73	669	<1	368	0.04
00252083	12	4.85	1334	<1	107	1.87
00252084	5	0.94	265	2	66	0.34
00252085	24	5.88	1441	<1	101	2.16
00252086	38	>15.00	854	1	603	0.1
00252087	20	5.33	2228	<1	84	2.04
00252088	14	0.67	168	1	34	5.78
00252089	25	1.98	565	2	77	0.20
00252090	11	0.33	98	5	12	5.9
00252091	8	0.26	84	2	7	5.46
00252092	42	1.80	706	2	277	3.15

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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**GOLDON RESOURCES** 

Submission Number **Number of Samples** 

GoldON-4/47 Rocks 47

## **ANALYSIS REPORT BBM19-01282**

Element	@Li	@Mg	@Mn	@Mo	@Ni	@Na
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	1	0.01	2	1	1	0.01
Upper Limit	10,000	15	10,000	10,000	10,000	15
Unit	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m	%
00252093	7	0.21	100	5	5	0.79
00252094	35	0.82	345	3	13	0.8
00252095	2	0.02	57	2	1	0.04
00252096	29	0.39	276	2	2	2.7
00252097	1	0.23	491	6	10	0.02
00252098	2	0.50	705	7	12	0.0
00252099	3	1.16	1149	9	8	0.0
00252100	12	0.52	387	14	13	0.0
00252101	<1	0.52	1161	3	<1	0.0
00252102	3	2.00	5604	3	18	0.0
00252103	2	1.08	2560	4	<1	0.0
00252104	4	1.44	3975	3	<1	0.0
00252105	32	0.62	259	4	1	0.7
00252106	13	1.05	235	3	56	0.29
00252107	50	1.86	6406	<1	35	0.0
00252108	3	0.48	618	2	7	0.0
00252109	<1	0.30	1175	4	6	0.02
00252110	<1	1.00	2289	3	<1	0.0
*Rep 00252084	5	0.92	268	2	64	0.3
*BIk BLANK	<1	<0.01	<2	<1	<1	<0.0
*Std OREAS 520	17	1.19	2380	62	71	1.3
*Std OREAS 520	17	1.23	2504	58	75	1.3
*Std OREAS 502b	30	1.59	548	248	37	2.0
*BIk BLANK	<1	<0.01	<2	<1	<1	<0.0

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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**GOLDON RESOURCES** 

GoldON-4/47 Rocks

Submission Number **Number of Samples** 

47

## **ANALYSIS REPORT BBM19-01282**

Element	@P	@Pb	@S	@Sb	@Sc	@Sn
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	2	0.01	5	0.5	10
Upper Limit	15	10,000	5	10,000	10,000	10,000
Unit	%	ppm m/m	%	ppm m / m	ppm m / m	ppm m / m
00252064	0.05	17	3.32	10	11.1	12
00252065	0.02	<2	0.97	8	42.6	13
00252066	0.02	43	4.85	7	1.5	13
00252067	0.04	9	1.13	11	2.0	12
00252068	0.04	11	2.30	14	2.5	<10
00252069	0.04	14	0.26	13	2.7	<10
00252070	0.06	<2	0.97	14	5.7	<10
00252071	0.03	<2	0.05	9	2.3	<10
00252072	0.06	<2	0.83	12	5.2	<10
00252073	0.06	<2	1.17	13	6.6	11
00252074	0.04	4	<0.01	<5	0.8	14
00252075	0.03	3	<0.01	<5	<0.5	17
00252076	0.01	<2	<0.01	<5	2.0	<10
00252077	0.05	<2	<0.01	<5	7.4	12
00252078	0.05	3	0.05	<5	<0.5	11
00252079	<0.01	<2	0.17	<5	11.5	<10
00252080	0.01	<2	<0.01	9	41.3	13
00252081	0.01	22	0.03	7	37.6	12
00252082	<0.01	74	0.86	<5	6.7	10
00252083	0.02	<2	0.64	6	49.8	10
00252084	0.02	<2	0.08	<5	4.3	<10
00252085	0.02	<2	0.13	8	47.9	<10
00252086	<0.01	7	<0.01	5	39.3	<10
00252087	0.02	<2	0.27	8	52.2	<10
00252088	0.10	7	0.02	10	17.2	<10
00252089	0.03	<2	<0.01	<5	6.5	<10
00252090	0.08	<2	0.02	8	5.7	<10
00252091	0.07	<2	<0.01	7	3.9	<10
00252092	<0.01	21	1.68	8	10.4	<10

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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**ANALYSIS REPORT BBM19-01282** 

Project Submission Number **GOLDON RESOURCES** GoldON-4/47 Rocks

**Number of Samples** 47

Element	@P	@Pb	@S	@Sb	@Sc	@Sn
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	2	0.01	5	0.5	10
Upper Limit	15	10,000	5	10,000	10,000	10,000
Unit	%	ppm m/m	%	ppm m / m	ppm m / m	ppm m / m
00252093	0.01	<2	0.02	<5	1.3	<10
00252094	0.07	<2	0.23	10	4.9	<10
00252095	<0.01	<2	<0.01	<5	<0.5	<10
00252096	0.05	<2	0.08	9	1.9	<10
00252097	<0.01	<2	0.34	<5	0.7	<10
00252098	0.02	<2	0.48	<5	1.8	<10
00252099	0.03	2	0.28	<5	<0.5	<10
00252100	<0.01	<2	<0.01	<5	1.5	<10
00252101	<0.01	<2	0.02	<5	0.6	<10
00252102	0.02	<2	0.76	<5	2.0	<10
00252103	0.02	<2	0.09	<5	1.0	<10
00252104	0.02	3	0.17	<5	2.8	<10
00252105	0.03	6	0.41	<5	7.2	<10
00252106	<0.01	<2	<0.01	<5	1.6	<10
00252107	0.04	<2	<0.01	7	44.3	<10
00252108	0.01	<2	0.09	<5	3.2	<10
00252109	<0.01	<2	0.11	<5	<0.5	<10
00252110	0.05	<2	<0.01	<5	<0.5	10
*Rep 00252084	0.02	<2	0.08	<5	4.3	<10
*BIk BLANK	<0.01	<2	<0.01	<5	<0.5	<10
*Std OREAS 520	0.02	8	1.03	9	17.4	12
*Std OREAS 520	0.08	9	0.96	10	18.0	13
*Std OREAS 502b	0.11	37	0.98	14	14.7	19
*BIk BLANK	<0.01	<2	<0.01	<5	<0.5	<10

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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**GOLDON RESOURCES** 

GoldON-4/47 Rocks

Submission Number **Number of Samples** 

47

## **ANALYSIS REPORT BBM19-01282**

Element	@Sr	@Ti	@V	@W	@Y	@Zn
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	2	10	0.5	1
Upper Limit	10,000	15	10,000	10,000	10,000	10,000
Unit	ppm m / m	%	ppm m / m			
00252064	136	0.19	69	<10	4.6	29
00252065	141	0.20	173	<10	7.0	72
00252066	226	0.07	9	13	2.0	34
00252067	425	0.11	17	<10	2.9	21
00252068	216	0.10	21	<10	3.4	25
00252069	139	0.14	22	<10	3.7	17
00252070	171	0.27	47	<10	6.5	39
00252071	67.8	0.11	19	<10	2.3	5
00252072	229	0.25	43	<10	5.8	26
00252073	208	0.24	55	12	6.6	35
00252074	49.3	0.04	<2	41	10.0	38
00252075	46.3	<0.01	<2	47	10.9	33
00252076	42.4	0.04	15	<10	3.7	13
00252077	41.0	0.11	51	18	11.1	99
00252078	4.4	0.01	<2	<10	6.4	112
00252079	<0.5	0.04	53	<10	1.7	61
00252080	59.8	0.27	258	<10	13.0	42
00252081	21.2	0.21	217	<10	8.2	1122
00252082	23.9	0.02	62	<10	1.1	54
00252083	194	0.24	249	<10	11.5	79
00252084	42.2	0.03	24	<10	2.4	16
00252085	167	0.27	266	<10	14.9	93
00252086	<0.5	0.14	187	<10	7.4	70
00252087	128	0.26	272	<10	13.1	70
00252088	93.4	0.31	136	<10	7.7	14
00252089	106	0.13	72	378	9.6	31
00252090	83.3	0.12	47	<10	6.4	7
00252091	78.1	0.10	35	<10	6.1	6
00252092	103	0.28	71	<10	7.2	1631

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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**ANALYSIS REPORT BBM19-01282** 

Project Submission Number **GOLDON RESOURCES** GoldON-4/47 Rocks

**Number of Samples** 47

Element	@Sr	@Ti	@V	@W	@Y	@Zn
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	2	10	0.5	1
Upper Limit	10,000	15	10,000	10,000	10,000	10,000
Unit	ppm m / m	%	ppm m / m			
00252093	15.3	0.02	15	<10	1.4	6
00252094	172	0.18	42	11	5.3	27
00252095	0.7	<0.01	<2	<10	<0.5	3
00252096	142	0.14	18	<10	2.4	28
00252097	19.9	<0.01	4	52	2.2	8
00252098	24.2	<0.01	8	624	3.4	16
00252099	8.7	0.01	18	<10	3.6	31
00252100	14.2	0.02	15	<10	1.5	15
00252101	11.7	<0.01	3	<10	3.1	16
00252102	32.6	0.02	12	<10	7.7	40
00252103	21.8	<0.01	6	<10	4.7	28
00252104	26.5	0.04	21	<10	8.3	38
00252105	123	0.11	59	<10	4.5	27
00252106	10.9	0.05	20	<10	2.7	14
00252107	<0.5	0.57	282	<10	5.6	66
00252108	<0.5	0.03	22	<10	2.8	16
00252109	<0.5	<0.01	8	<10	2.1	11
00252110	1.1	<0.01	<2	<10	6.9	14
*Rep 00252084	42.9	0.03	24	<10	2.4	16
*BIk BLANK	<0.5	<0.01	<2	<10	<0.5	<1
*Std OREAS 520	99.8	0.41	266	44	20.5	20
*Std OREAS 520	103	0.43	260	64	19.8	20
*Std OREAS 502b	342	0.47	134	<10	23.0	126
*Blk BLANK	<0.5	<0.01	<2	<10	<0.5	<1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project **GOLDON RESOURCES** Submission Number GoldON-4/47 Rocks

**Number of Samples** 47

## **ANALYSIS REPORT BBM19-01282**

Element	@Zr	Cu	Mg	Fe
Method	GE_ICP40Q12	GO_ICP42Q100	GC_ICP93A50V	GO_ICP90Q100
Lower Limit	0.5	0.01	0.003	0.05
Upper Limit	10,000	30	50	50
Unit	ppm m / m	%	%	%
00252064	106	1.15	-	
00252065	30.0	-	-	
00252066	70.3	3.25	-	
00252067	84.8	-	-	
00252068	92.1	-	-	
00252069	103	-	-	
00252070	142	-	-	
00252071	81.5	-	-	
00252072	128	-	-	
00252073	164	-	-	
00252074	11.4	-	-	31.9
00252075	8.5	-	-	32.8
00252076	17.2	-	-	
00252077	26.7	-	-	
00252078	7.3	-	-	24.2
00252079	3.1	-	24.431	
00252080	14.4	-	-	
00252081	11.4	-	-	
00252082	5.5	-	-	
00252083	13.6	-	-	
00252084	6.5	-	-	
00252085	25.0	-	-	
00252086	9.6	-	14.494	
00252087	23.2	-	-	
00252088	197	-	-	
00252089	73.1	-	-	
00252090	156	-	-	
00252091	155	-	-	
00252092	124	-	-	
00252093	27.8	-	-	

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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PO:

**ANALYSIS REPORT BBM19-01282** 

Project **GOLDON RESOURCES** Submission Number GoldON-4/47 Rocks

**Number of Samples** 47

Element	@Zr	Cu	Mg	Fe
Method	GE_ICP40Q12	GO_ICP42Q100	GC_ICP93A50V	GO_ICP90Q100
Lower Limit	0.5	0.01	0.003	0.05
Upper Limit	10,000	30	50	50
Unit	ppm m / m	%	%	%
00252094	127	-	-	-
00252095	<0.5	-	-	-
00252096	122	-	-	-
00252097	1.5	-	-	-
00252098	1.1	-	-	-
00252099	4.0	-	-	-
00252100	8.4	-	-	-
00252101	4.2	-	-	-
00252102	10.6	-	-	-
00252103	6.4	-	-	-
00252104	22.3	-	-	-
00252105	95.4	-	-	-
00252106	1.1	-	-	-
00252107	50.2	-	-	25.71
00252108	6.7	-	-	-
00252109	5.6	-	-	-
00252110	9.7	-	-	26.84
*Rep 00252084	6.5	-	-	-
*BIk BLANK	<0.5	-	-	-
*Std OREAS 520	136	-	-	
*Rep 00252110	-	-	-	26.52
*BIk BLANK	-	-	-	<0.05
*Std OREAS 524	-	-	-	29.15
*Std OREAS 520	139	-	-	
*Std OREAS 502b	70.8	-	-	
*BIk BLANK	<0.5	-	-	
*Rep 00252066	-	3.29	-	
*BIk BLANK	-	<0.01	-	
*Std OREAS 524	-	2.50	-	
*BIk BLANK	-	_	<0.003	

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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PO: Order Number

Project **GOLDON RESOURCES** Submission Number GoldON-4/47 Rocks

**Number of Samples** 47

### **ANALYSIS REPORT BBM19-01282**

Element	@Zr	Cu	Mg	Fe
Method	GE_ICP40Q12	GO_ICP42Q100	GC_ICP93A50V	GO_ICP90Q100
Lower Limit	0.5	0.01	0.003	0.05
Upper Limit	10,000	30	50	50
Unit	ppm m / m	%	%	%
*Std BCS370	-	-	36.044	-
*Rep 00252086	-	-	13.934	-

SGS Canada Minerals Burnaby conforms to the requirements of ISO/IEC17025 for specific tests as listed on their scope of accreditation found at https://www.scc.ca/en/search/laboratories/sgs

Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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# APPENDIX III

# **Point of Interest (Table 2)**

	Point of Interest Table-2						
POI#	Date	Easting	Northing	Elevation	Description	Photo	
1	12-Sep-19	408350.5	5659096	394	Old claim tag "1023134,1".	yes	
2	12-Sep-19	408357	5659095	392	Old claim post "1070195,3". Photo SE.	yes	
3	12-Sep-19	407742	5659486	412	Old sample, aluminum tag "19035". Photo N.	yes	
4	14-Sep-19	411106	5659715	369	Brecciated ultramafic with elongated fragments at ~115 degrees. Photos WNW.	yes	
5	14-Sep-19	411112	5659727	370	Old sample with blue flagging, number "87460".		
6	15-Sep-19	410746	5659476	358	Moderately sheared, altered quartz feldspar porphyry at ~291/69 degrees N. Photos ESE.	yes	
7	15-Sep-19	410744	5659488	357	S end of several-m long, NNE-trending, old hand-dug trench. ~2m wide.		
8	15-Sep-19	410743	5659511	352	Approximate midpoint of another ~NNE trending hand- dug trench.		
9	18-Sep-19	407734	5659055	387	~135 degree weak shear in mafic volcanics		
10	18-Sep-19	407736	5659002	389	Old sample with orange flagging/metal tag, reading "19052."		
11	18-Sep-19	407882	5659563	410	Metal sample tag on its own, reading "19027."	_	

# APPENDIX IV

# **SGS Labs Analytical Descriptions**

G PHY03V Specific gravity - pycnometer  G_PHY06V
G PHY05V Specific gravity - volumetric G_PHY07V
G PHY14V Specific Gravity - pycnometer bottle G_PHY08V
G PHY04V Bulk density - immersion G_PHY18V

Note: If samples are porous, PHY04V will require a pre-preparation charge if it is necessary to coat samples with a sealant or wax coating.

## **PARTICLE SIZE ANALYSIS**

Particle size analysis is used to determine the size classification and structural properties of an ore sample or to produce sized fractions for additional testing/analyses. SGS offers particle size analysis by wet screening, dry screening, a combination of both, or laser diffraction.

Wet screening is preferable to dry screening for materials containing a high percentage of clays which tend to agglomerate and thus give erroneous dry screening results. Dry screen tests can be performed on a variety of materials, but the sample must be free flowing and the particles separate (e.g. unagglomerated).

Often wet and dry methods are combined. Wet screening is performed to remove excessive fines then dry screening is performed to remove the oversize. Depending upon the nature of the material, dry screening, wet screening or a combination of both can be used.

Laser diffraction is recommended for very fine grained samples, as it is capable of measuring particle sizes at very low limits (0.02 microns). Laser diffraction is suitable for use with both wet and dry flows.

G PHY06V Particle size, sieve analysis (dry or wet)

G\_PHY15V

G PHY07V Particle size, laser diffraction

G\_PHY16V

## **PRECIOUS METALS**

Precious metals (gold, silver and platinum group elements) can be analyzed by many techniques. Procedures for gold determination must take into account the sample type, sample concentration, purpose of the analysis, sample mineralogy and form of the gold (if known). Lead collection fire assay is considered the most definitive technique while acid digests and accelerated cyanide leaches can be effective for specific purposes. Similarly, silver can be determined by fire assay or acid digest techniques.

Please discuss your particular circumstance with an SGS chemist so you can choose the most appropriate technique. For more details, see our publication, Rocks to Results, Chapter 4.3.

Some platinum group elements (PGE) can also be determined by lead collection fire assay but this is not recommended. The six element PGE suite is best determined by nickel sulphide collection fire assay and neutron activation or ICP-MS. Sulphide-rich samples can require a reduction in sample weight to fuse properly.

Note: Lower and upper reporting limits of a given method can vary slightly among SGS laboratories due to reagent quality, access to consumables and instrument availability. Please inquire.

## **GOLD**

### **EXPLORATION-GRADE ANALYSIS**

FIRE ASSAY GOLD						
CODE	ELEMENT	LIMIT(S)	DESCRIPTION			
GE FAA313 GE_FAA30V5		5 - 10,000 ppb	30 g, Fire assay, AAS finish			
GE FAA515 GE_FAA50V5	Au	5 - 10,000 ppb	50 g, Fire assay, AAS finish			
GE FAI313* GE_FAI30V5	Au**	1 - 10,000 ppb	30 g, Fire assay, ICP-AES finish			
GE FAI515* GE_FAI50V5	Au**	1 - 10,000 ppb	50 g, Fire assay, ICP-AES finish			
GE FAI323 GE_FAI31V5	Au**	5 - 10,000 ppb	30 g, Fire assay, ICP-AES finish			

GE FAI525 Au** GE_FAI51V5	5 - 10,000 ppb	50 g, Fire assay, ICP-AES finish
GE FAM313 Au** GE_FAM30V5	1 - 2,000 ppb	30 g, Fire assay, ICP-MS finish
GE FAM515 Au** GE_FAM50V5	1 - 2,000 ppb	50 g, Fire assay, ICP-MS finish

Note: \*GE FAI313/515 methods use new fire assay pots to achieve lower limits. \*\* Pt and Pd can be included, refer to page 33.

Gold in soils and/or sediments can be determined by aqua regia digest and DIBK extraction. This is a partial leach and can require a pre-treatment such as roasting if samples contain significant sulphur bearing phases. This gold analytical method has the following advantages:

- Use of large sample sizes (25 g 50 g) which ensures representative results for materials exhibiting nugget effect.
- The digest used for gold can also be used for a large suite of additional elements.

### **GOLD BY ACID DIGESTION (AQUA REGIA)**

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GE ARE145 GE_ARE1V50		2 - 200 ppb	50 g, Aqua regia digest, DIBK extraction, AAS finish
GE ARE133 GE_ARE2V25		0.02 - 200 ppm	25 g, Aqua regia digest, DIBK extraction, AAS finish
GE ARE155 GE_ARE2V50		0.01 - 100 ppm	50 g, Aqua regia digest, DIBK extraction, AAS finish
GE ARM133 GE_ARMV25	Au*	1 - 500 ppb	25 g, Aqua regia digest, ICP-MS finish
GE ARM155 GE_ARMV50	Au*	1 - 500 ppb	50 g, Aqua regia digest, ICP-MS finish

<sup>\*</sup> Note: Refer to page 39 for additional elements that can be determined by this method.

Cyanide leach procedures are used to enhance small gold anomalies during exploration and to monitor gold extraction efficiencies in metallurgical applications.

Bulk Leach Extractable Gold (BLEG) is a cyanide-based partial leach procedure that uses a large sample size (0.5 kg to 5 kg). It is used to enhance small gold anomalies during exploration. The cyanide leachate solution is extracted into an organic solvent and measured by flame AAS

or ICP-MS. Our active cyanide leach packages are available with a variety of sample sizes, detection limits and finishing methods. The mini cyanide leach package is available for smaller sample sizes, allowing for faster TAT than active cyanide leach.

Other elements are also partially extracted with the cyanide leach and can be measured on request.

### **CYANIDE EXTRACTABLE GOLD**

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GE BLE643 GE_MBLA65	Au √30	0.1 - 1000 ppm	Hot, 30 g, Mini cyanide leach, ICP-AES or AAS finish
GE BLE61K GE_BLE61K	Au	0.02 - 100 ppm	500 g, Active cyanide leach, Solvent extraction, AAS finish
GE BLE61N GE_BLE61N	Au	1 ppb - 100 ppm	2000 g, Active cyanide leach, Solvent extraction, AAS finish
GE BLL61K	Au	0.05 ppb - 100 ppm	500 g, Active cyanide leach, ICP-MS finish
GE BLL61N	Au	0.05 ppb - 100 ppm	2000 g, Active cyanide leach, ICP-MS finish

The Leachwell™ tab is a proprietary product and Leachwell™ is a patented process. Accelerated cyanide leach techniques are used to determine bulk leachable gold in exploration samples using modified cyanide leach (Leachwell™). The large sample is mixed with water and Leachwell™ tabs and tumbled. The gold is extracted into DIBK and analyzed by flame AAS or ICP-MS. Other elements (Cu, Ag, Pb and Zn) are also partially extracted by the cyanide leach and can be measured on request.

### ACCELERATED CYANIDE LEACH FOR GOLD

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GE LWL69J GE_LWE69J	Au	0.01 - 1,000 ppm	200 g, Accelerated cyanide leach, AAS
GE LWL69K GE_LWE69K		0.01 - 1,000 ppm	500 g, Accelerated cyanide leach, AAS
GE LWL69L GE_LWE69L	Au	0.01 - 1,000 ppm	800 g, Accelerated cyanide leach, AAS
GE LWL69M GE_LWE69N		0.01 - 1,000 ppm	1000 g, Accelerated cyanide leach, AAS

GO FAG323 GO_FAG32V	Au	0.01 - 100 ppm	30 g, Fire assay, AAS finish (Au) gravimetric finish (Ag)
	Ag	10 - 10000 ppm	
GO FAG333 GO_FAG33V	Au	0.5 - 10000 ppm	30 g, Fire assay, gravimetric finish (Au, Ag)
	Ag	10 - 10000 ppm	
GO FAG525 GO_FAG52V	Au	0.01 - 100 ppm	50 g, Fire assay, AAS finish (Au), gravimetric finish (Ag)
	Ag	10 - 10000 ppm	

### **CONTROL AND CONCENTRATE-GRADE ANALYSIS**

### **INSTRUMENTAL AND GRAVIMETRIC ANALYSIS**

CODE ELEMENT		LIMIT(S)	DESCRIPTION		
GC AAS42V GC_AAS43V1	0	1 - 1000 ppm	Variable wt, 4-acid digest, AAS finish		
GC FAG323 GC_FAG32V	Au	0.02 ppm	30 g, Fire assay, AAS finish (Au) gravimetric finish (Ag)		
	Ag	10 ppm			
GC FAG333 GC_FAG33V	Au	0.5 ppm	30 g, Fire assay, gravimetric finish (Au, Ag)		
	Ag	10 ppm			
GC ARS12D GC_ACA22D	0	2 - 2,000 ppm	Carbon, 1 g, ash, acid digest, extract, AAS finish		
GC BUL37V GC_BUL36V	Ag	0.01 - 99.5%	250-500 mg, Fire assay, gravimetric finish		

# GOLD, PLATINUM, PALLADIUM AND OTHER PRECIOUS METALS

### **EXPLORATION-GRADE ANALYSIS**

### **GOLD, PLATINUM AND PALLADIUM**

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GE FAI313* GE_FAI30V5	Au	1 - 10,000 ppb	30 g, Fire assay, ICP-AES finish
	Pt	10 - 10,000 ppb	
	Pd	1 - 10,000 ppb	
GE FAI515* GE_FAI50V5	Au	1 - 10,000 ppb	50 g, Fire assay, ICP-AES finish
	Pt	10 - 10,000 ppb	
	Pd	1 - 10,000 ppb	
GE FAM313 GE_FAM30V5	Au	1 - 2,000 ppb	30 g, Fire assay, ICP-MS finish
	Pt	0.5 - 2,000 ppb	
	Pd	0.5 - 2,000 ppb	
GE FAM515 GE_FAM50V5	Au	1 - 2,000 ppb	50 g, Fire assay, ICP-MS finish
	Pt	0.5 - 2,000 ppb	
	Pd	0.5 - 2,000 ppb	
GE FAI323 GE_FAI31V5	Au	5 - 10,000 ppb	30 g, Fire assay, ICP-AES finish
	Pt	10 - 10,000 ppb	
	Pd	5 - 10,000 ppb	
GE FAI525 GE_FAI51V5	Au	5 - 10,000 ppb	50 g, Fire assay, ICP-AES finish
	Pt	10 - 10,000 ppb	
	Pd	5 - 10,000 ppb	

Note: \*GE FAl313/515 methods use new fire assay pots to achieve lower limits.

Very low detection limits can be obtained by aqua regia digest and ICP-MS finish. This technique is applicable to exploration work as it yields rapid and accurate data.

Note: GE ARM133 and GE ARM155 are not available in all SGS laboratories. Please inquire.

## MULTI-ACID (FOUR ACID) DIGESTION PACKAGES

### NITRIC, HYDROFLUORIC, PERCHLORIC AND HYDROCHLORIC ACID DIGEST

Multi-acid (Four acid) digestion is a very effective dissolution procedure for a large number of mineral species and is suitable for a wide range of elements. Multi-acid digestion uses a combination of HNO<sub>3</sub> (nitric acid), HF (hydrofluoric acid), HClO<sub>4</sub> (perchloric acid) and HCl (hydrochloric acid). Because hydrofluoric acid dissolves silicate minerals, these digestions are often referred to as "near-total digestions". For more details, see our publication, Rocks to Results, Chapter 4.

NOTE: Requires a minimum sample weight of 0.5g. Detection and upper limit can vary slightly among SGS laboratories because some laboratories may not have access to high purity reagents and consumables and/or they can have slight differences in instrumentation. Please talk with your local lab manager to make sure you get the reporting limits you need.

NOTE: Refractory minerals such as oxides have limited solubility in multi-acid (Four acid) digestions. Often elements can precipitate or volatilize during digestion. These factors can compromise analytical results for Al, Ba, Cr, Hf, Mo, Mn, Nb, Pb, Si, Sn, Ti, Ta, W, Zr, As, Sb, Se and Te in some sample types.

### MULTI-ACID (FOUR ACID) DIGESTION / ICP-AES PACKAGE (33 ELEMENTS)

GE I	GE ICP40B GE_ICP40Q12						
ELE	MENTS AND LIMIT(S)						
Ag	2 - 100 ppm	Fe	0.01 - 15%	S	0.01 - 5%		
Al	0.01 - 15%	Κ	0.01 - 15%	Sb	5 - 10000 ppm		
As	3 - 10000 ppm	La	0.5 - 10000 ppm	Sc	0.5 - 10000 ppm		
Ва	1 - 10000 ppm	Li	1 - 10000 ppm	Sn	10 - 10000 ppm		

Ве	0.5 - 2500 ppm	Mg	0.01 - 15%	Sr	0.5 - 10000 ppm
Bi	5 - 10000 ppm	Mn	2 - 10000 ppm	Ti	0.01 - 15%
Ca	0.01 - 15%	Мо	1 - 10000 ppm	V	2 - 10000 ppm
Cd	1 - 10000 ppm	Na	0.01 - 15%	W	10 - 10000 ppm
Со	1 - 10000 ppm	Ni	1 - 10000 ppm	Υ	0.5 - 10000 ppm
Cr	1 - 10000 ppm	Р	0.01 - 15%	Zn	1 - 10000 ppm
Cu	0.5 - 10000 ppm	Pb	2 - 10000 ppm	Zr	0.5 - 10000 ppm

Note: Additional elements can be added. Please inquire.

## MULTI-ACID (FOUR ACID) DIGESTION / COMBINED ICP-AES AND ICP-MS PACKAGE (49 ELEMENTS)

GE I	CM40B				
ELE	MENTS AND LIMIT(S)				
Ag	0.02 - 100 ppm	Κ	0.01 - 15%	Sn	0.3 - 1000 ppm
Al	0.01 - 15%	La	0.1 - 10000 ppm	Sr	0.5 - 10000 ppm
As	1 - 10000 ppm	Li	1 - 10000 ppm	Та	0.05 - 10000 ppm
Ва	1 - 10000 ppm	Lu	0.01 - 1000 ppm	Tb	0.05 - 10000 ppm
Ве	0.1 - 2500 ppm	Mg	0.01 - 15%	Те	0.05 - 1000 ppm
Bi	0.04 - 10000 ppm	Mn	2 - 10000 ppm	Th	0.2 - 10000 ppm
Ca	0.01 - 15%	Мо	0.05 - 10000 ppm	Ti	0.01 - 15%
Cd	0.02 - 10000 ppm	Na	0.01 - 15%	TI	0.02 - 10000 ppm
Се	0.05 - 1000 ppm	Nb	0.1 - 1000 ppm	U	0.05 - 10000 ppm
Cs	1 - 1000 ppm	Ni	0.5 - 10000 ppm	V	2 - 10000 ppm
Со	0.1 - 10000 ppm	Р	0.01 - 15%	W	0.1 - 10000 ppm
Cr	1 - 10000 ppm	Pb	0.5 - 10000 ppm	Υ	0.1 - 10000 ppm
Cu	0.5 - 10000 ppm	Rb	0.2 - 10000 ppm	Yb	0.1 - 1000 ppm
Fe	0.01 - 15%	S	0.01 - 5%	Zn	1 - 10000 ppm
Ga	0.1 - 500 ppm	Sb	0.05 - 10000 ppm	Zr	0.5 - 10000 ppm
Hf	0.02 - 500 ppm	Sc	0.1 - 1000 ppm		
In	0.02 - 500 ppm	Se	2 - 1000 ppm		

Note: Select packages for rare earth elements can be found on pg 59.

GE ISE15V pH (soils/sediments) GC\_ISE10V

Ion selective electrode (ISE)

SGS offers a wide variety of specific element analyses. Please contact your local site.

## **ORE-GRADE ANALYSIS**

Ore-grade packages are used to analyse samples that have high concentrations of pay metals. They can be used in prefeasibility, feasibility or production circumstances. As well, these methods can be used to provide over range analysis when an upper limit of an element in an exploration package is exceeded. Typically, ore-grade analyses are accomplished by adjusting the sample weight and final solution volume ratio, thus expanding the linear range of the analysis. Refer to GO ICP13B and GO ICP41Q below. Additional elements are available, please inquire.

## **OVER RANGE PACKAGES**

### AQUA REGIA DIGESTION / ICP-AES PACKAGE (12 ELEMENTS)

GO ICP13B GO_ICP21B100						
ELEMENTS AND LIMIT(S)						
Ag	0.01 - 0.1%	Cu	0.01 - 30%	Ni	0.001 - 10%	
As	0.01 - 10%	Fe	0.01 - 30%	Pb	0.001 - 10%	
Cd	0.001 -10%	Mn	0.01 - 10%	S	0.01 - 30%	
Со	0.001 - 10%	Mo	0.001 - 10%	Zn	0.01 - 10%	

### MULTI-ACID (FOUR ACID) DIGESTION / ICP-AES PACKAGE (33 ELEMENTS)

GN	<b>ICP410</b>	) GN	ICP420100

ELE	MENTS AND LIMIT(S)				
Ag	0.01 - 0.1%	Fe	0.01 - 30%	Ni	0.001 - 10%
As	0.01 - 10%	Li	0.01 - 10%	Pb	0.01 - 30%
Cd	0.001 - 10%	Mn	0.001 - 10%	S	0.01 - 10%

Со	0.001 - 10%	Mo 0.001 - 10%	Zn	0.01 - 30%
Cu	0.01 - 30%			

Note: Additional elements can be added to either package upon request. For a total digest over range package, refer to our fusion package, GO ICP90Q on page 50.

# MULTI-ACID (FOUR ACID) DIGESTION PACKAGES

FOUR ACID DIGESTION	/ AAS PACKAGE (16 ELEMENTS)	

GO AAS42S GO_AAS41S100
------------------------

|--|

Ag	5 - 500 ppm	Cr	0.005 - 5%	Pb	0.002 - 2.5%
As	0.025 - 5%	Cu	0.001 - 50%	Sb	0.01 - 2%
Bi	50 - 5000 ppm	Fe	0.01 - 40%	V	0.005 - 5%
Ca	0.01 - 40%	Mn	0.001 - 5%	Zn	0.001 - 5%
Cd	5 - 5000 ppm	Мо	0.002 - 5%		
Со	0.002 - 2.5%	Ni	0.001 - 5%		

### FOUR ACID DIGESTION / ICP-AES PACKAGE (26 ELEMENTS)

### **GO ICP42S GO ICP41S100**

### **ELEMENTS AND LIMIT(S)**

Ag	5 - 250 ppm	Fe	0.025 - 100%	Pb	0.0025 - 2.5%
Al	0.025 - 40%	Κ	0.1 - 40%	Sb	0.001 - 2%
As	0.002 - 2.5%	Li	5 - 2500 ppm	Sn	0.002 - 2%
Bi	0.005 - 2.5%	Mg	0.005 - 40%	Та	0.005 - 2.5%
Са	0.01 - 40%	Mn	0.002 - 2.5%	Ti	0.002 - 5%
Cd	0.0005 - 2%	Мо	0.002 - 2.5%	V	0.0005 - 2.5%
Со	0.001 - 2.5%	Na	0.01 - 40%	Zn	0.001 - 5%
Cr	0.002 - 5%	Ni	0.002 - 2.5%	Zr	0.001 - 5%
Cu	0.001 - 2.5%	Р	0.01 - 25%		

Note: Requires a minimum sample weight of 0.5 g.

## **FUSION-ICP PACKAGES**

### **SODIUM PEROXIDE FUSION / ICP-AES PACKAGE**

GO ICP90Q GO_ICP90Q100									
ELE	ELEMENTS AND LIMIT(S)								
Со	0.01 - 30%	Мо	0.01 - 30%	Pb	0.01 - 30%				
Cu	0.01 - 30%	Ni	0.01 - 30%	Zn	0.01 - 30%				
Fe	0.05 - 50%								

Additional elements can be added to this method upon request (e.g., As, Bi, Cd, Mg, Mn) Elements greater than 30% can require analysis by another technique for full recovery. Requires a minimum sample weight of 0.5 g.

## LITHIUM METABORATE FUSION / ICP-AES (LITHOLOGIC) PACKAGE (18 ELEMENTS)

GO ICF	GO ICP95A GO_ICP95A50								
ELEME	ELEMENTS AND LIMIT(S)								
$Al_2O_3$	0.01 - 75%	MgO	0.01 - 30%	Sr	0.001 - 10%				
Ва	0.001 - 10%	MnO	0.01 - 10%	TiO <sub>2</sub>	0.01 - 25%				
CaO	0.01 - 60%	Na <sub>2</sub> O	0.01 - 30%	Υ	0.001 - 10%				
Cr <sub>2</sub> O <sub>3</sub>	0.01 - 10%	Nb	0.001 - 10%	Zn	5 - 10000 ppm				
Fe <sub>2</sub> O <sub>3</sub>	0.01 - 75%	$P_2O_5$	0.01 - 25%	Zr	0.001 - 10%				
K <sub>2</sub> O	0.01 - 25%	SiO <sub>2</sub>	0.01 - 90%	LOI	-10 - 100%				

Requires a minimum sample weight of 0.5g.

### **FUSION-XRF PACKAGES**

Whole rock analysis is the determination of major elements (reported as "oxides"). This analysis will approximate 100% in non-mineralized samples. SGS offers whole rock analysis using both ICP-AES or XRF below. Whole rock analysis by XRF is particularly suitable for the analysis of bulk commodities such as iron ore, silicate, feldspar, gypsum and limestone. This method is not suitable for samples with a sulphide mineral content > 1%.

### **BORATE FUSION / XRF WHOLE ROCK PACKAGE (13 ELEMENTS)**

#### GO XRF76V GO XRF72 **ELEMENTS AND LIMIT(S)** Al<sub>2</sub>O<sub>3</sub> 0.01 - 100% MnO 0.01 - 100% TiO<sub>2</sub> 0.01 - 100% CaO 0.01 - 100% Na<sub>2</sub>O 0.01 - 100% V<sub>2</sub>O<sub>5</sub> 0.01 - 100% Cr<sub>2</sub>O<sub>3</sub> 0.01 - 100% P<sub>2</sub>O<sub>5</sub> 0.01 - 100% LOI -10 - 100% SUM % K<sub>2</sub>O 0.01 - 100% Fe<sub>2</sub>O<sub>3</sub> 0.01 - 100% MgO 0.01 - 100% SiO<sub>2</sub> 0.01 - 100%

Additional major and minor elements can be added to the borate fusion / XRF method. Requires a minimum sample weight of 5.0 g. Please contact your local lab. Rare earth elements can also be analyzed by this technique. Refer to page 64. For iron ore samples (GO XRF78S), refer to page 68.

### PYROSULPHATE FUSION / XRF BASE METAL PACKAGE (10 ELEMENTS)

GO XRF77B GO_XRF70V									
ELEMENTS AND LIMIT(S)									
Со	0.01 - 100%	Mn 0.01 - 100%	W 0.0	1 - 100%					
Cr	0.01 - 100%	Mo 0.01 - 100%	Zn 0.0	1 - 100%					
Cu	0.01 - 100%	Ni 0.01 - 100%							
Fe	0.01 - 100%	Pb 0.01 - 100%							

Note: Requires a minimum sample weight of 1.0 g.

## INDIVIDUAL METHODS FOR ORE-GRADE ANALYSIS

### INTERNAL STANDARD / RESISTIVE MINERALS / XRF

GO	GO XRF75F GO_XRF71						
ELE	MENTS AND L	IMIT(	S)				
As	≥0.001%	Sn	≥0.002%	ThO <sub>2</sub> ≥0.005%	WO <sub>3</sub> ≥0.002%		
Sb	≥0.002%	Ta	≥0.002%	U <sub>3</sub> O <sub>8</sub> ≥0.002%			

Note: Requires a minimum sample weight of 25 g. depending on the elements of interest. This method is not available at all SGS laboratories. Please inquire.

## MULTI-ACID (FOUR ACID) DIGESTION PACKAGES

### MULTI-ACID DIGESTION PACKAGE / ICP-AES (30 ELEMENTS)

GC ICP42C GC ICP42C100

ELEI	ELEMENTS AND REPORTING LIMIT(S)								
Ag	2 ppm	Со	4 ppm	Мо	5 ppm	Sr	0.03 ppm		
AI*	2 ppm	Cr*	4 ppm	Na	10 ppm	Ti*	0.4 ppm		
As*	30 ppm	Cu	0.5 ppm	Ni	20 ppm	TI	30 ppm		
Ba*	0.2 ppm	Fe	4 ppm	Р	30 ppm	V	2 ppm		
Ве	0.03 ppm	K*	20 ppm	Pb	20 ppm	Υ	0.2 ppm		
Bi	20 ppm	Li	5 ppm	Sb*	10 ppm	Zn	2 ppm		
Ca*	20 ppm	Mg*	1 ppm	Se	30 ppm				
Cd	2 ppm	Mn	0.3 ppm	Sn*	20 ppm				

Additional elements can be added. An ICP-MS option is available. Requires a minimum sample weight of 1.0 g. Concentrate samples containing greater than 50% of the target element can require alternative analytical methods if full recovery is required.

### MULTI-ACID DIGESTION PACKAGE / FUSION / ICP-AES (30 ELEMENTS)

GC ICP46C GC ICP46C100

ELEMENTS AND REPORTING LIMIT(S)									
Ag	2 ppm	Со	4 ppm	Мо	5 ppm	Sr	0.03 ppm		
Al	2 ppm	Cr	4 ppm	Na	10 ppm	Ti	0.4 ppm		
As	30 ppm	Cu	0.5 ppm	Ni	20 ppm	TI	30 ppm		
Ва	0.2 ppm	Fe	4 ppm	Р	30 ppm	V	2 ppm		
Ве	0.03 ppm	Κ	20 ppm	Pb	20 ppm	Υ	0.2 ppm		
Bi	20 ppm	Li	5 ppm	Sb	10 ppm	Zn	2 ppm		
Са	20 ppm	Mg	1 ppm	Se	30 ppm				
Cd	2 ppm	Mn	0.3 ppm	Sn	20 ppm				

Additional elements can be added. An ICP-MS option is available. Requires a minimum sample weight of 1.0 g. Concentrate samples containing greater than 50% of the target element can require alternative analytical methods if full recovery is re-quired. Data for volatiles (e.g., As, Sb) may be incomplete.

### **FUSION PACKAGES**

### FUSION / ICP-AES PACKAGE (28 ELEMENTS)

GC ICP93A GC\_ICP93A50

ELEMENTS AND REPORTING LIMIT(S)							
Ag	200 ppm	Со	200 ppm	Мо	300 ppm	TI	2000 ppm
Al	400 ppm	Cr	40 ppm	Ni	300 ppm	V	80 ppm
As	1200 ppm	Cu	40 ppm	Pb	800 ppm	Υ	8 ppm
Ва	3 ppm	Fe	500 ppm	Sb	400 ppm	Zn	300 ppm
Ве	0.8 ppm	Κ	400 ppm	Se	2000 ppm		
Bi	400 ppm	Li	800 ppm	Sn	800 ppm		
Са	800 ppm	Mg	30 ppm	Sr	10 ppm		
Cd	40 ppm	Mn	20 ppm	Ti	8 ppm		

Additional elements can be added. An ICP-MS option is available. Requires a minimum sample weight of 0.2 g. Concentrate samples containing greater than 50% of the target element can require alternative analytical methods if full recovery is required.

### **FUSION / AAS PACKAGE (11 ELEMENTS)**

GC AAS93A GC\_ASS93A50

ELEMENTS AND REPORTING LIMIT(S)							
Al	0.02 %	Fe	0.01 %	Si	0.07 %	V	0.1 %
Са	0.06 %	Mg	0.005 %	Sn	0.05 %	Zn	0.001 %
Cr	0.005%	Mn	0.005 %	Ti	0.05 %		

Additional elements can be added. An ICP-MS option is available. Requires a minimum sample weight of 0.2 g. Concentrate samples containing greater than 50% of the target element can require alternative analytical methods if full recovery is required.

<sup>\*</sup>Recovery can be incomplete so analysis can be biased low.

# APPENDIX V

# **List of Claims (Table 3)**

Table-3	C		
Tenure ID	Township / Area	Title Type	Anniversary Date
512950	BALL	Single Cell Mining Claim	2020-04-10
522219	BALL	Single Cell Mining Claim	2020-05-26
522220	BALL	Single Cell Mining Claim	2020-05-26
522255	BALL	Single Cell Mining Claim	2020-05-30
522256	BALL	Single Cell Mining Claim	2020-05-30
522257	BALL	Single Cell Mining Claim	2020-05-30
522258	BALL	Single Cell Mining Claim	2020-05-30
522259	BALL	Single Cell Mining Claim	2020-05-30
522260	BALL	Single Cell Mining Claim	2020-05-30
522261	BALL	Single Cell Mining Claim	2020-05-30
522417	BALL	Single Cell Mining Claim	2020-06-02
522418	BALL	Single Cell Mining Claim	2020-06-02
522419	BALL	Single Cell Mining Claim	2020-06-02
522421	BALL	Single Cell Mining Claim	2020-06-02
522423	BALL	Single Cell Mining Claim	2020-06-02
522425	BALL	Single Cell Mining Claim	2020-06-02
522426	BALL	Single Cell Mining Claim	2020-06-02
522427	BALL	Single Cell Mining Claim	2020-06-02
522428	BALL	Single Cell Mining Claim	2020-06-02
522429	BALL	Single Cell Mining Claim	2020-06-02
522430	BALL	Single Cell Mining Claim	2020-06-02
542251	BALL	Single Cell Mining Claim	2021-02-15
542252	BALL	Single Cell Mining Claim	2021-02-15
542253	BALL	Single Cell Mining Claim	2021-02-15
542254	BALL	Single Cell Mining Claim	2021-02-15
542426	BALL	Single Cell Mining Claim	2021-02-20
543444	BALL	Multi-cell Mining Claim	2021-02-23
556536	BALL	Single Cell Mining Claim	2021-08-29
556537	BALL	Single Cell Mining Claim	2021-08-29
556538	BALL	Single Cell Mining Claim	2021-08-29
522420	BALL, INDIAN HOUSE LAKE AREA	Single Cell Mining Claim	2020-06-02
522422	BALL, INDIAN HOUSE LAKE AREA	Single Cell Mining Claim	2020-06-02
543443	BALL, INDIAN HOUSE LAKE AREA	Multi-cell Mining Claim	2021-02-23
522424	INDIAN HOUSE LAKE AREA	Single Cell Mining Claim	2020-06-02
543445	INDIAN HOUSE LAKE AREA	Multi-cell Mining Claim	2021-02-23

## APPENDIX VI

## **Photos**

## North Shore of Pipestone Bay Sample 00252084



Pipestone Bay West Shore Sample 00252088



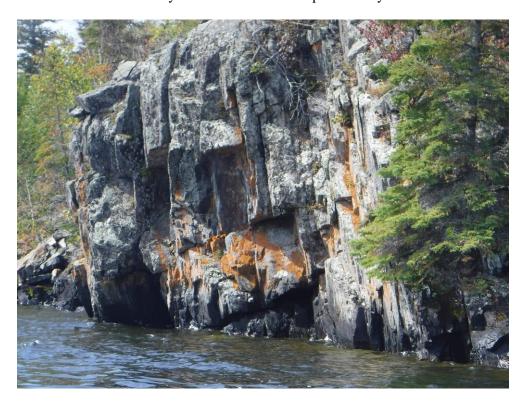
Quartz Veining West End of Pipestone Bay Sample 00252090



Quartz Veining in Felsic Rock West End of Pipestone Bay Sample 00252093



Rusty Shear North Side of Pipestone Bay



Daily Log Pipestone Bay Project September 2019							
Date	Activities	B. Maclachlan days	C. Robertson days				
05-Sep-19	Travel to Red Lake	1	1				
10-Sep-19	Checked for access to the Pipestone Bay claims travelling along the PineRidge Road and on to McIntosh Road. Located the MDI Historical Copper showing along the east side of the road. Spent some time looking at the rocks in the immediate area.	1	1				
12-Sep-19	Returned to the MDI Copper showing area, collected several samples of rusty weak - moderately sheared volcanics & iron formation further north.	1	1				
13-Sep-19	Rain day, prepare samples, enter samples	1	1				
14-Sep-19	Prospecting the east block west of Pipestone Bay. Prospecting north of the bay where we observed weak - moderately sheared ultramafic rocks.	1	1				
15-Sep-19	Prospecting the east block west of Pipestone Bay along the north shore of the bay and along the west shore. Along the north shore we observed rusty weak - moderately sheared volcanics, west of the bay we located a few historical hand dug trenches immediately west of the west shore.	1	1				
17-Sep-19	Prospecting at Pipestone Bay Property iron formation area, mostly west of the main access road. Observed minor feldspar porphyry, and several rusty weakly sheared outcrops of iron formation.	1	1				
18-Sep-19	Prospecting at Pipestone Bay Property iron formation area, southwest of the main access road and a little east of the road. Observed a ~5cm wide quartz vein in a mafic volcanic outcrop in the southwest. East of the road observed rusty cherty iron formation in outcrop.	1	1				
24-Sep-19	Travel Thunder Bay to Timmins	1	1				

