We are committed to providing accessible customer service.
If you need accessible formats or communications supports, please contact us.

Nous tenons à améliorer l’accessibilité des services à la clientèle.
Si vous avez besoin de formats accessibles ou d’aide à la communication, veuillez nous contacter.

PROSPECTING AND SAMPLING
September 2017

SLATE FALLS PROPERTY
WESLEYAN LAKE AREA
PATRICIA MINING DIVISION
ONTARIO
NTS 52 O/04 NE
for

GoldOn Resources Ltd.

108-800 Kelly Rd 416
Victoria, BC
V9B 6J9

by

Andrew Tims, P. Geo.
317 Sillesdale Cr, Thunder Bay, ON, P7C 1S7

October 27, 2018

Table of Contents

Introduction and Summary

The Slate Falls Property consists of 48 unique claim cells. The claim group is situated in the Wesleyan Lake Area, Patricia Mining Division, Ontario. The property is situated 375 km north north-west of Thunder Bay, Ontario and 114 km north of the community of Sioux Lookout. It is within NTS 52 O/04 NE.

The Slate Falls Property lies within the Uchi Domain, along the southern flank of the North Caribou Terrane. The eastern half of the property is underlain predominently by a synformal tongue of mafic volcanic rocks, with locally interbedded clastic sediments along its southern and northern margins, which is surrounded by extensive felsic intrusive (trondhjemitic) rocks of the North Bamaji Pluton. Minor intermediate volcanics are reported to occur in the eastern part of the property, and locally a unit of iron formation with limited exposure occurs at the northern volcanio-sedimentary contact.

Known mineralization is commonly associated with easterly-striking shears. Significant gold mineralization appears to be concentrated in two areas on the property; the Sanderson Showing, in Claim Cell 222156 and the Path and Trail Vein showings, in Claim Cell 238520.

Fieldwork was carried out from September 12th through to the 16th, with one weather day (Sept 15) due to a heavy rain. Geologists Albina Adamova and Andrew Tims, P.Geo completed the data collection. Twenty -two samples were collected and analyzed for identification of alteration signatures and gold content.

Conditions did not allow for the Sanderson Showing to be visited. Sampling of the Trail Showing did return a gold assay of 120 grams per

tonne. The UTM coordinates for the Corner Showing sere incorrect and the showing was not located. All the showings and historical pits and trenches are overgrown.

Further efforts should focus on exposing more of bedrock with trenching for mapping and sampling which will help to figure out structure (faults, bedding, folding) and test for hinge zone mineralization.

Property Description, Location and Access

The Slate Falls Property consists of fifty-six mining claim cells. The claim group is situated in the Wesleyan Lake Area, Patricia Mining Division, Ontario (see Figure 1). The claims are listed in Table in Appendix 1. and are held in the name of J. M. Williamson.

The total area of the property is 766 hectares. The property lies within NTS 52 O/04 NE. The geographic coordinates at the approximate centre of the property are 51°11' north and 91°33' west.

The property is situated 375 km north north-west of Thunder Bay, Ontario, and is 114 km north of Sioux Lookout. It can be reached by air, landing at a small airport near the community of Slate Falls, situated at the west end of North Bamaji Lake immediately south of the claim group. Alternatively Slate Falls can be reached from Sioux Lookout via a gravel road.

For the field program described in this report the property was reached by boat from a fishing camp on Bamaji Lake, and thence by a bush trail extending across the claim group from the north end of 'Garbage Bay' on North Bamaji Lake. A hydro-electric transmission line, extending from Ear Falls to Pickle Lake, lies immediately south of the property.

Topography is relatively flat, with elevations between 380 and 410m. Extensive wetlands forested by black spruce and tamarack graduate into spruce - balsam - pine uplands. The area exhibits a northern boreal climate, with short, warm summers and cold winters with moderate snowfall. Freezing temperatures can be expected from late September through May or early June.

Figure 1: Slate Falls Property, Location Map

Previous Work

The first prospecting in the area was during the 1920s following on discoveries in the Red Lake and Pickle Lake areas. Geological mapping was carried out by the Ontario Department of Mines in 1935, and by the Geological Survey of Canada in 1960. Mineral exploration of the property has been carried out by various companies from 1966 until the early 2000s, with the most abundant work carried out in the 1980s. A summary of work, as described in the assessment files of the Ontario Ministry of Northern Development and Mines, is presented on Table 1, below.

Table 1: Slate Falls Property, Summary of Assessment Work

Year	Company	Type of Work	AFRI
1966	Cochenour Exploration Ltd.	Diamond drilling, 7 holes totaling 369.36m	52O04NE9642
	Dome Exploration (Canada) Ltd.	Trenching	52O04NE9639
1974	Umex Corp.	Diamond drilling, 1 hole, 70.71m	52O04NE0012
1981	Sulpetro Minerals	Geology, trench mapping and sampling	52O04NE0010
1983	D. R. Bell Geological Services	Helicopter-borne aeromagnetic and airborne VLF survey	52O03NW0037
1984	Sulpetro Minerals	Diamond drilling - 13 holes totaling 598.12m	52O04NE0009
1984	Sulpetro Minerals	Rock sampling and drill core assay certificates	52O04NE0008
1987	Canlorm Resources Ltd.	Magnetic and VLF survey	52O04NE0006, 52O04NW0023
1988	Gold Fields Canada Mining Ltd.	Helicopter borne aeromagnetic and VLF survey	52O04NW0014
1989	UMEX Inc.	Airborne magnetic and VLF survey	52O06SE0017
1995	D. Parker	Geological mapping, rock and humus sampling	52O03NW0001
1996	D. Parker	Rock geochemical survey	52O03NW2001
1997	Orezone Resources Inc.	Helicopter-borne aeromagnetic and VLF survey	52O03NW0004
	Orezone Resources	Prospecting, geological mapping, humus	52O03NW0019

	Inc.	sampling, relogging old Sulpetro drill core	
	Orezone Resources Inc.	Power stripping of Trail, Path and Sanderson Zone trenches	52O04NE2001
	D. Parker	Linecutting and magnetic survey	52O04NE2001
2000	D. Parker	Trenching, sampling, grid mapping, mineralogical study on vein material	52O04NE2002
2012	Fortune Tiger Resources	Two two-person teams prospecting.	20010687
2014	GoldOn Resources	Tim Twomey located and sampled the Trail and Sanderson Showings	
		Julie Selway interprets of the historic work.	

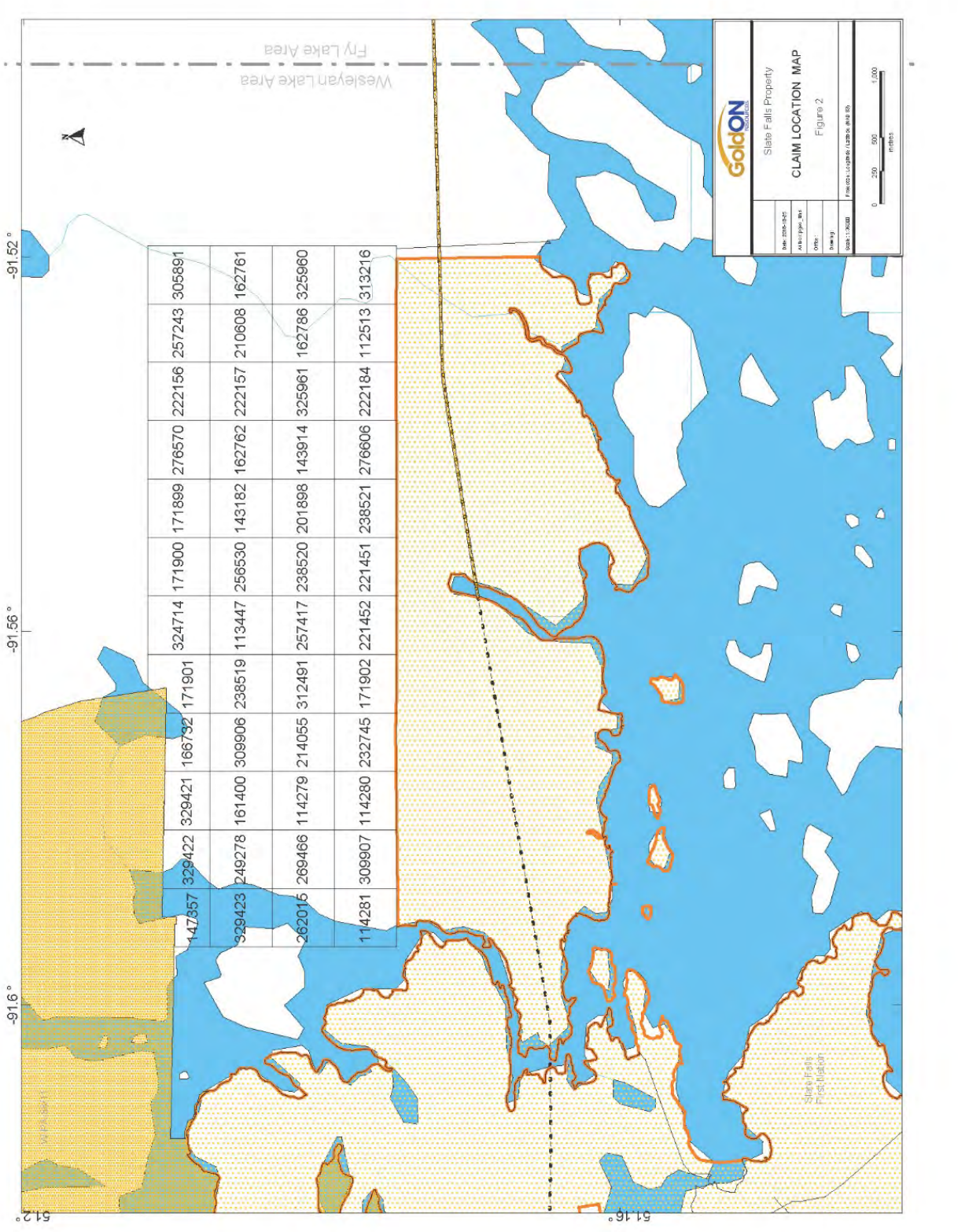


Figure 2: Slate Falls Property, Claim Map

Regional Geology

The Slate Falls Property lies within the Uchi Domain, along the southern flank of the North Caribou Terrane (see Figure 3, below). Mafic volcanics on the property are of the Woman Assemblage, ca. 3.0 Ma, and are intruded by tonalites and granodiorites to the north, west and south (Stott et al., 2010).

Property Geology

Geology of the property is shown on Drawing WES-12-02. The eastern half of the property is underlain predominently by a synformal tongue of mafic volcanic rocks, with locally interbedded clastic sediments along its southern and northern margins, which is surrounded by extensive felsic intrusive (trondhjemitic) rocks of the North Bamaji Pluton. Minor intermediate volcanics are reported to occur in the eastern part of the property, and locally a unit of iron formation with limited exposure occurs at the northern volcanio-sedimentary contact.

Although the western portion of the property is shown on WES-12-02 to be underlain by felsic intrusive rocks, some mafic volcanics may occur, however the extensive overburden cover has made bedrock identification difficult over much of the property.

Several discontinuous shear systems have been observed on the property. Most strike in an easterly direction, however some shears strike northeasterly, northwesterly or northerly.

Known mineralization is commonly associated with easterly-striking shears. Significant gold mineralization appears to be concentrated in two areas on the property; the Sanderson Area, in the northwest quarter of

Claim 4224903 and the Path and Trail Vein Areas, in the east-central part of Claim 4224902.

Parker et al. (1997) describe the mineralization on the Slate Falls property as follows:

"The precious metals are associated with shear zones that commonly host quartz veining and sulphide mineralization. These shear zones are typically biotite, chlorite and muscovite-rich schists and may exhibit silica, carbonate, talc and epidote alteration. The shearing typically strikes east-west with subvertical dips, attains widths of up to 6 metres and occurs in all rock types. Base metal assemblages including: Cu, Zn, Sb, and Pb are commonly found with the precious metals."

While extensive stripping, trenching and surface sampling has led to the discovery of widespread, sometimes spectacular gold mineralization, limited diamond drilling on the property has so far failed to establish continuity of the gold-bearing structures and gold values.

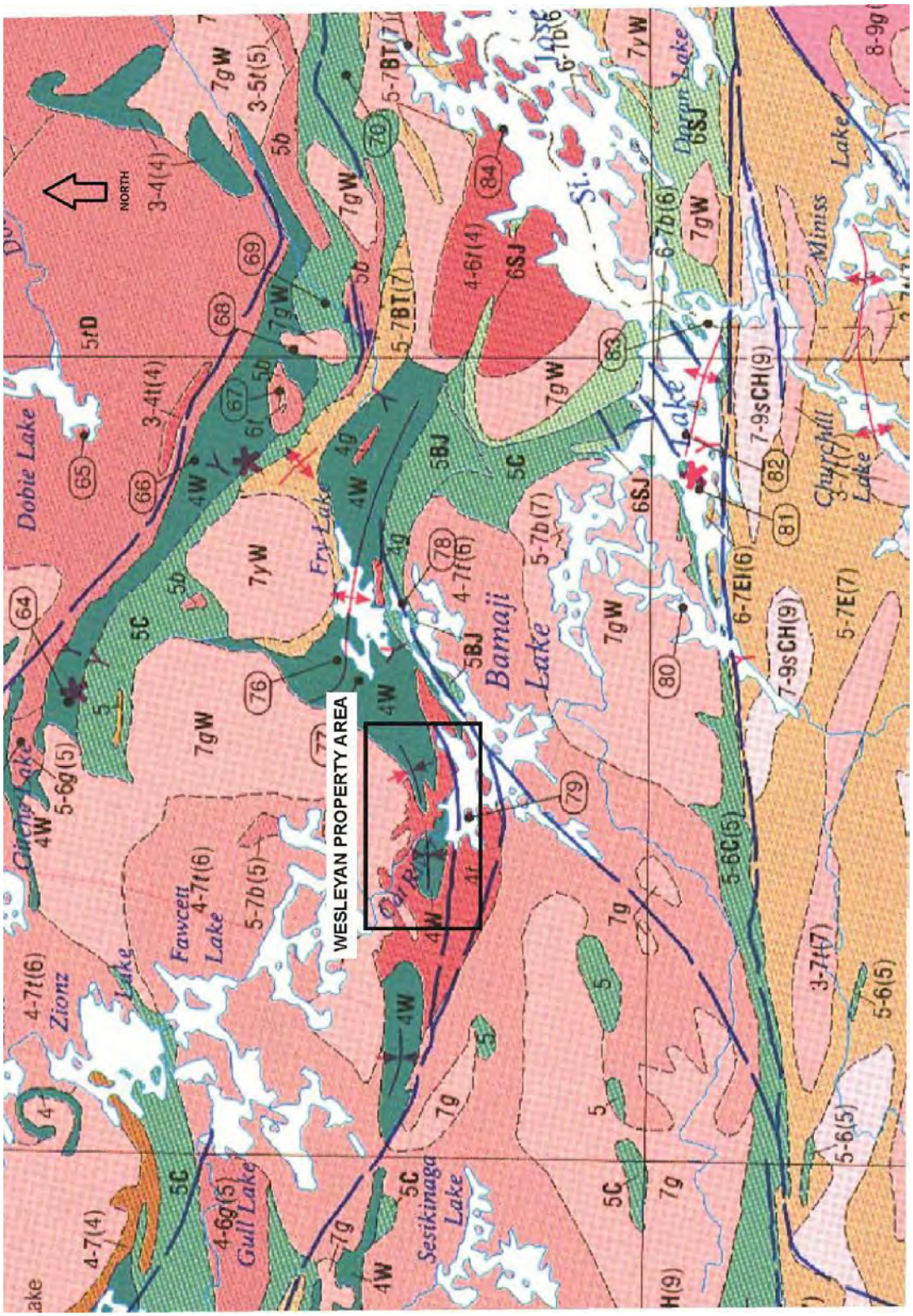


Figure 3: Slate Falls Property, Regional Geology (after OGS Map 2576, 1992)

Work Program

Compilation of previous data on the Slate Falls property data suggests a strong correlation between fold hinges and mineralization. Structures need to be further investigated to determine the type of structure (potential offsets) and association with mineralization and alteration.

Fieldwork was carried out from September 12th through to the 16th, with one weather day (Sept 15) due to a heavy rain. Geologists Albina Adamova and Andrew Tims, P.Geo completed the data collection. Daily Logs of each party are presented in Appendix II.

Travelled was from Thunder Bay to Sioux Lookout then to the community of Slate Falls. The property was accessed by boat to the north end of Garbage Bay and thence on foot by a series of old walking and drill trails that extend north onto and across the eastern half of the property.

Structural measurements were taken where variation in the trends was noted. Twenty-two grab samples were collected. Sample locations, UTM coordinates, descriptions and gold assays are shown on Table 2, below. A summary report by Bob Singh based on the data collect and Julie Selway interpretation can be found in Appendix III.

List of 2018 samples		Locations are NAD83 UTM Zone 15U			
Easting	**Northing**	**SAMPLE**	**STATION**	**Photo**	**ROCKTYPE**
600705.25	5670363.28	495751	St11		Maf Volc
600731.91	5670397.04	495752	St18		Maf Volc
600986.01	5670839.50	495753	St25		Trond
600968.24	5670825.29	130219	St24		QV
600983.84	5670844.20	495754	St26		Maf Volc
601117.07	5671059.34	495756	St32	IMG_0149	Maf Volc

Easting	Northing	SAMPLE	STATION	Photo	ROCKTYPE
600600.01	5670488.03	495757	St33	IMG_0153	Fels Intr
600534.23	5670616.20	130221	St35	IMG_0162	Felsic Intr
600561.44	5670616.20	495758	St35		Trond
600386.54	5670803.14	130222	St38		Mafic Volc
600567.39	5670895.82	130223	St40	IMG_0166	Trond
600714.46	5670827.96	495759	St41		Trond
600900.22	5670868.09	495760	St43	IMG_0170	Trond
603511.91	5670441.67	495761	St48	IMG_0176	Bt-Chl Schist
603512.66	5670503.01	495762	St51	IMG_0185	Maf Volc
603524.92	5670187.41	130224	St53	IMG_0196	Trond
605960.51	5671272.26	495763	St55	IMG_0193	Maf Volc
605920.24	5671069.94	495764	St56	IMG_0205	Maf volc
605281.54	5670533.63	495765	St58	IMG_0208	Maf Volc
605181.42	5670162.61	495766	St59	IMG_0213	Maf Volc

Table 2: Slate Falls Prospecting, May 2012, Sample Description Sheet.

Samples were assayed for gold at Actlabs Laboratories, Thunder Bay, Ontario. Assay certificates are in Appendix IV.

Sample locations and results, as well as traverse locations, property showings and other information are shown on Map 1, at a scale of 1:5,000, in Appendix V.

Interpretation and Conclusions

Trail and Corner, both are mafic metavolcanic hosted and have a set of 0.2-1.5cm quartz veins/stringers. An attempt was made to locate FTM zone, but weather conditions and wrong location resulted to failure. After trip careful examination of reviewed 1995 sample locations along with 1997-2002 data it seems right to change FTM location to a new UTM coordinates – 605941E, 5671046N. Quartz veining occurs as set

of 2-1.5 cm stringers parallel to foliation. 3-30 cm thick quartz veins typically strike NW-SE and NS.

Recommendations

Further efforts should focus on exposing more of a bedrock with trenching for mapping and sampling which will help to figure out structure (faults, bedding, folding) and test for hinge zone mineralization, possibly locate lode type quartz veins (during field trip no veins with thickness more than 30cm were encountered in outcrops examined) .

Assess potential for drilling geochemical anomalies.

References

Barrie, C. Q., 1989: Airborne magnetic and VLF-EM survey, Bamaji Lake Property, Patricia Mining Division, Ontario for UMEX Inc. by Terraquest Ltd. Ontario Ministry of Northern Development and Mines, AFRI 52O06SE0017.

Cat Lake First Nation et al, 2011: Cat Lake - Slate Falls Community Based Land Use Plan. “Niigaan Bimaadiziwin” - A Future Life. Cat Lake First Nation, Slate Falls Nation and Ontario Ministry of Natural Resources, July 2011.

Couchenour Explorations Ltd., 1966: Diamond Drilling, Area of Wesleyan Lake. Ontario Ministry of Northern Development and Mines, AFRI 52O04NE9642.

de Carle, R. J., 1988: Report on combined helicopter borne magnetic, electromagnetic and VLF survey, Bamaji Lake Property, District of Sioux Lookout, Province of Ontario for Gold Fields Canadian Mining Limited by Aerodat Limited. Ontario Ministry of Northern Development and Mines, AFRI 52O04NW0014.

Dome Exploration (Canada) Limited, 1966: Trenching on Claims, Wesleyan Lake. Ontario Ministry of Northern Development and Mines, AFRI 52O04NE9639.

D’Silva, B. V. and D. P. Parker, 2000: Ontario Prospectors Assistance Program, 1999 Final submission, Slate Falls Project, North Bamaji Lake Area, Patricia Mining Division, District of Kenora, Ontario. Ontario Ministry of Northern Development and Mines, AFRI 52O04NE2002.

Emslie, R. F., 1960: Geological Survey of Canada, Map 51-1960.

Gertzbein, P. M., B. V. D’Silva and D. P. Parker, 1999: FReport of work, Linecutting and magnetic survey, Slate Falls Project, North Bamaji Lake area, Patricia Mining Division, District of Kenora, Ontario. Ontario Ministry of Northern Development and Mines, AFRI 52O03NW2002.

Harding, W. D., 1935: Ontario Department of Mines, Vol. 44, Part 6, Map 44l.

Hogg, R. L. S., 1983: Report on combined helicopter-borne magnetic and electromagnetic survey, Bamaji Lake Area, Ontario for David R. Bell Geological Services by Aerodat Limited. Ontario Ministry of Northern Development and Mines, AFRI 52O03NW0037.

Nelson, B., 2002: Report on 2002 summer exploration program at the Slate Falls Property of Gold Summit Mines Ltd., Wesleyan Lake and Fry Lake Areas, Patricia Mining Division, Ontario, NTS 52O/3 and 52O/4. Ontario Ministry of Northern Development and Mines, AFRI 52O03NW2005.

Ontario Geological Survey, 1992: Tectonic Assemblages of Ontario, west-central sheet; Ontario Geological Survey, Map 2576, scale 1:1,000,000.

Orezone Resources Inc., 1997: Slate Falls Project: Report on prospecting, sampling and mapping, June 18 to July 3, 1997. Ontario Ministry of Northern Development and Mines, AFRI 52O03NW0019.

Parker, D. P., B. V. D'Silva and P. M. Gertzbein, 1995: Geological Report of the Slate Falls Property, North Bamaji Lake Area, Patricia Mining Division, District of Kenora, Ontario. Ontario Prospectors Assistance Program, 1995 Final Report. Ontario Ministry of Northern Development and Mines, AFRI 52O03NW0001.

Parker, D. P., B. V. D'Silva and P. M. Gertzbein, 1997: Ontario Prospectors Assistance Program, 1996 Final Technical Report, Slate Falls Project, North Bamaji Lake area, Patricia Mining Division, District of Kenora, Ontario. Ontario Ministry of Northern Development and Mines assessment report AFRI 52O03NW2001, AFRO 2.18705.

Parker, D. P., 1997: Slate Falls Property, Report of stripping program for Orezone Resources Inc.
Ontario Ministry of Northern Development and Mines, AFRI 52O04NE2001.

Stott, G. et al., 2010: A Revised Terrane Subdivision of the Superior Province. Summary of Field Work and Other Activities, Ontario Geological Survey Open File Report 6260, 2010.

Sulpetro Minerals Ltd., 1984: Diamond Drilling, Wesleyan Lake Area. Ontario Ministry of Northern Development and Mines, AFRI 52O04NE0009.

Sulpetro Minerals Ltd., 1984: Assay certificates, Wesleyan Lake Area diamond drilling.
Ontario Ministry of Northern Development and Mines, AFRI 52O04NE0008.

Umex Corporation Limited, 1974: Diamond Drilling, Area of Wesleyan Lake. Ontario Ministry of Northern Development and Mines, AFRI 52O04NE0012.

van Enk, R. J., 1987: Canlorm Resources Inc., Wesleyan Lake project, N. W. Ontario, Magnetometer and VLF E-M Survey, March 1987. Ontario Ministry of Northern Development and Mines, AFRI 52O04NE0006, 52O04NE0003, 52O04NE0023 and 52O04NE0025.

Woolham, R. W., 1997: Report on a combined helicopter-borne electromagnetic, magnetic and VLF-EM survey, Slate Falls Property, Northwestern Ontario, NTS 52 O/3, O/4 for Orezone Resources Inc., Suite 201, 174 Cobourg Street, Ottawa, Ontario, Canada K1N 8N5 by Aerodat Inc. Ontario Ministry of Northern Development and Mines, AFRI 52O03NW0004.

Zalnieriunas, R. V., 1983: Report on geological survey, Bamaji Lake Option, Project 3357, NTS 52 O/4, Sulpetro Minerals Limited. Ontario Ministry of Northern Development and Mines, AFRI 52O04NE0010.

Date and Signature Page

I, ANDREW TIMS, P. Geo., do hereby certify that:

I am President of Northern Mineral Exploration Services., 317 Sillesdale Crescent Thunder Bay, ON, P7C 1S7.

I graduated with a B Sc degree in geology from Carleton University in 1989. I have worked as a geologist for a total of 29 years since my graduation. I am a Practicing Member of the Association of Professional Geoscientists of Ontario in accordance with the Professional Geosciences Act, 2000 (membership number 0274).

I have completed a compilation of previous data concerning the Slate Falls Property and proposed the work described in this assessment report. I am responsible for this assessment report, based on review of all results of work completed and discussions with field crews. I authored this assessment report and prepared all accompanying drawings.

Dated this 27th day of October, 2018, “Andrew

Tims, P. Geo.”

Andrew Tims, P. Geo.

Appendix I: List of Property Claims

Tenure ID	Legacy Claim Id	Township / Area	Tenure Type	Due Date	Work Required	Work Applied	Exploration Reserve
112513	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
113447	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
114279	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
114280	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
114281	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
143182	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
143914	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
147357	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
161400	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
162761	4224903	WESLEYAN LAKE	Boundary Cell	2018-11-01	200	0	0
162762	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
162786	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
166732	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
171899	4224902	WESLEYAN LAKE	Boundary Cell	2018-11-01	200	0	0
171900	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
171901	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
171902	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
201898	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
210608	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
214055	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
221451	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
221452	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
222156	4224903	WESLEYAN LAKE	Boundary Cell	2018-11-01	200	0	0
222157	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
222184	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
232745	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
238519	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
238520	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
238521	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
249278	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
256530	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
257243	4224903	WESLEYAN LAKE	Boundary Cell	2018-11-01	200	0	0
257417	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	2047
262015	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
269466	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
276570	4224903	WESLEYAN LAKE	Boundary Cell	2018-11-01	200	0	0
276606	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
305891	4224903	WESLEYAN LAKE	Boundary Cell	2018-11-01	200	0	0
309906	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
309907	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
312491	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
313216	4224903	WESLEYAN LAKE	Boundary Cell	2018-11-01	200	0	0
324714	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
325960	4224903	WESLEYAN LAKE	Boundary Cell	2018-11-01	200	0	0

Tenure ID	Legacy Claim Id	Township / Area	Tenure Type	Due Date	Work Required	Work Applied	Exploration Reserve
325961	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	4877
329421	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
329422	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
329423	4224901	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
143182	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
171899	4224903	WESLEYAN LAKE	Boundary Cell	2018-11-01	200	0	0
171901	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
171902	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
201898	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
238519	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0
238521	4224903	WESLEYAN LAKE	Single Cell	2018-11-01	200	0	0
312491	4224902	WESLEYAN LAKE	Single Cell	2018-11-01	400	0	0

Appendix II: Daily Logs, Albina Adamova and Andrew Tims

Daily Logs Slated Falls Andrew Tims and Albina

Adamova September 10, 2017

Albina Adamova travels from Vancouver to Thunder Bay laying over in the Hampton Inn.

September 11, 2017

Albina Adamova and Andrew Tims travels from Thunder Bay to Sioux Lookout then to the community of Slate Falls renting a house for accomadations.

September 12, 2017

Adamova and Tims accessed the property by boat into the top of Garbage Bay using an established trail to the hydro line then traversed north by pace and compass to southern claim boundary. Very hot and humid making the traverse in knee deep sphagnum moss and labrador tea arduous. Three outcrops each on cells 221451 and 221452 were examined. No samples taken.

September 13, 2017

Adamova and Tims retraced access into property now heading directly to the Trail Showing. A total of two samples were taken for gold analyze (130219-130120) and six samples for alteration indices (495751 to 495756) on cells 22145 and 23852. Cloudy and cool.

September 14, 2017

Adamova and Tims traversed NW across the mafic volcanic fold to pick up any alteration/mineralization associated with shearing along the axial trace. A total of three samples were taken for gold analyze (130221-130122) and four samples for alteration indices (495757 to 495760) on cells 22145,312491 and 257417.Cloudy and cool.

September 15, 2017

Adamova and Tims accessed the east end of the property by boat travelling 500 m up a shallow tributary and the pace and compass traverse to the Corner Showing. The shwing could not be located. Two samples for alteration were taken (495761 to 495762)

September 18, 2017

Returned to Thunder Bay.

September 19, 2017

Albina Adamova return to Vancouver.

Appendix III: Bob Singh & Albina Adomova Report

Field Trip Report on Slate Fall Project for GoldOn Resources
Sept 30, 2017

Field trip (Sept12-Sept18, 2017) was aimed at validating historical exploration database which was compiled before site visit and ground-truthing hypotheses for exploration model suggested by Twomey (2014), Selway (2017) and B.Singh (2017).
The crucial part in choosing the right model is to gather relevant information that could help to answer questions listed below

Is interpreted shear zone actually a shear zone?
Is stratigraphy flat or folding? Is VMS or gold targets model viable?

Shear zones
Observed during the site visit and previously reported folding –boudinage-shear foliation with some fracturing all indicate to brittle-ductile deformation. It appears that shear, as a response of rocks to deformation by compressive stress, form zones of more intense foliation, deformation, and folding where any rock is highly strained than rocks adjacent to the zone. In these conditions boudinage develops both as planar fracturing into rectangular fragments seen in rigid felsic rocks and as necked quartz veins in mafic metavolcanics on the property. Look at photos below for evidence of shear in Slate Fall property. Eighteen mineralized shear zones have been identified up to date, most of them strike east-west and host quartz vein gold and subordinate sulphide mineralization (Fig1). Author visited only 2 of them – Trail and Corner, both are mafic metavolcanic hosted and have a set of 0.2-1.5cm quartz veins/stringers. An attempt was

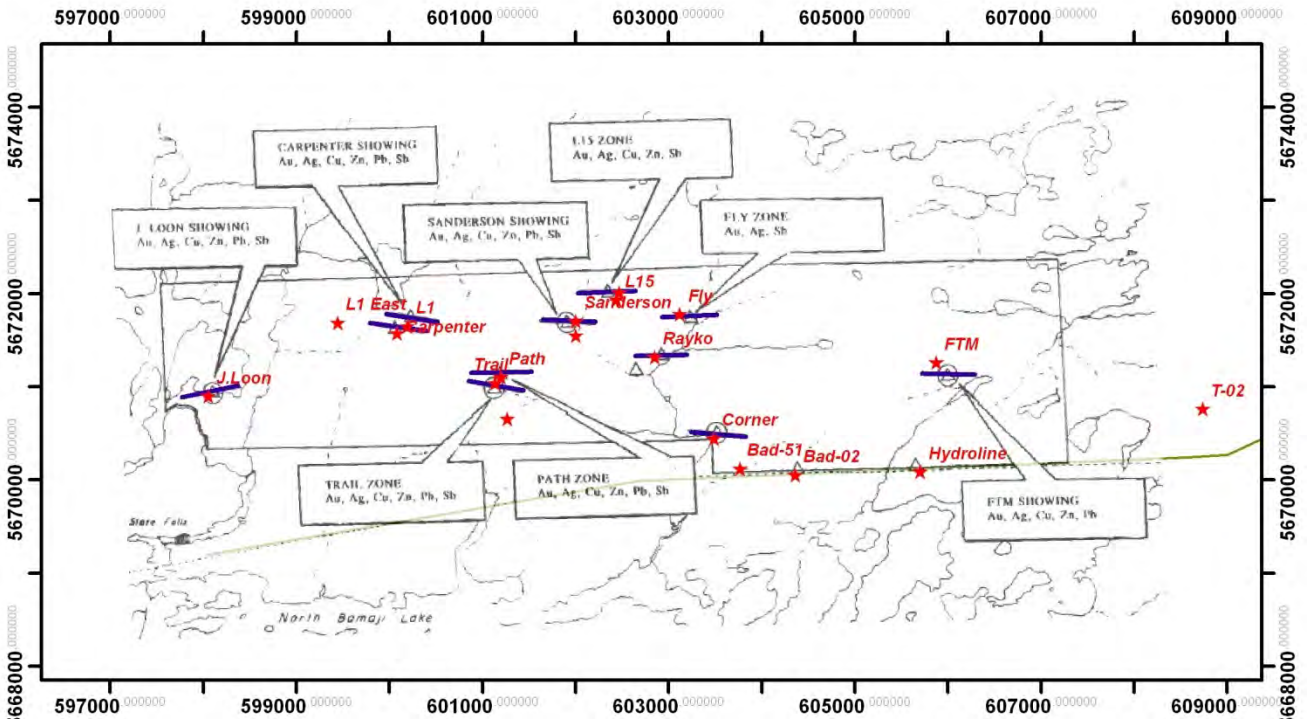


Fig1. Shear gold mineralization on Slate Fall property

made to locate FTM zone, but weather conditions and wrong location resulted to failure. There was offset in the grid location discovered for eastern part of the property. After trip careful examination of reviewed 1995 sample locations along with 1997-2002 data it seems right to change FTM location to a new UTM coordinates

– 605941E, 5671046N (the same as for high grade samples 67893-67896 and close to shear zone). Sample 495764 is taken in near proximity to this location.

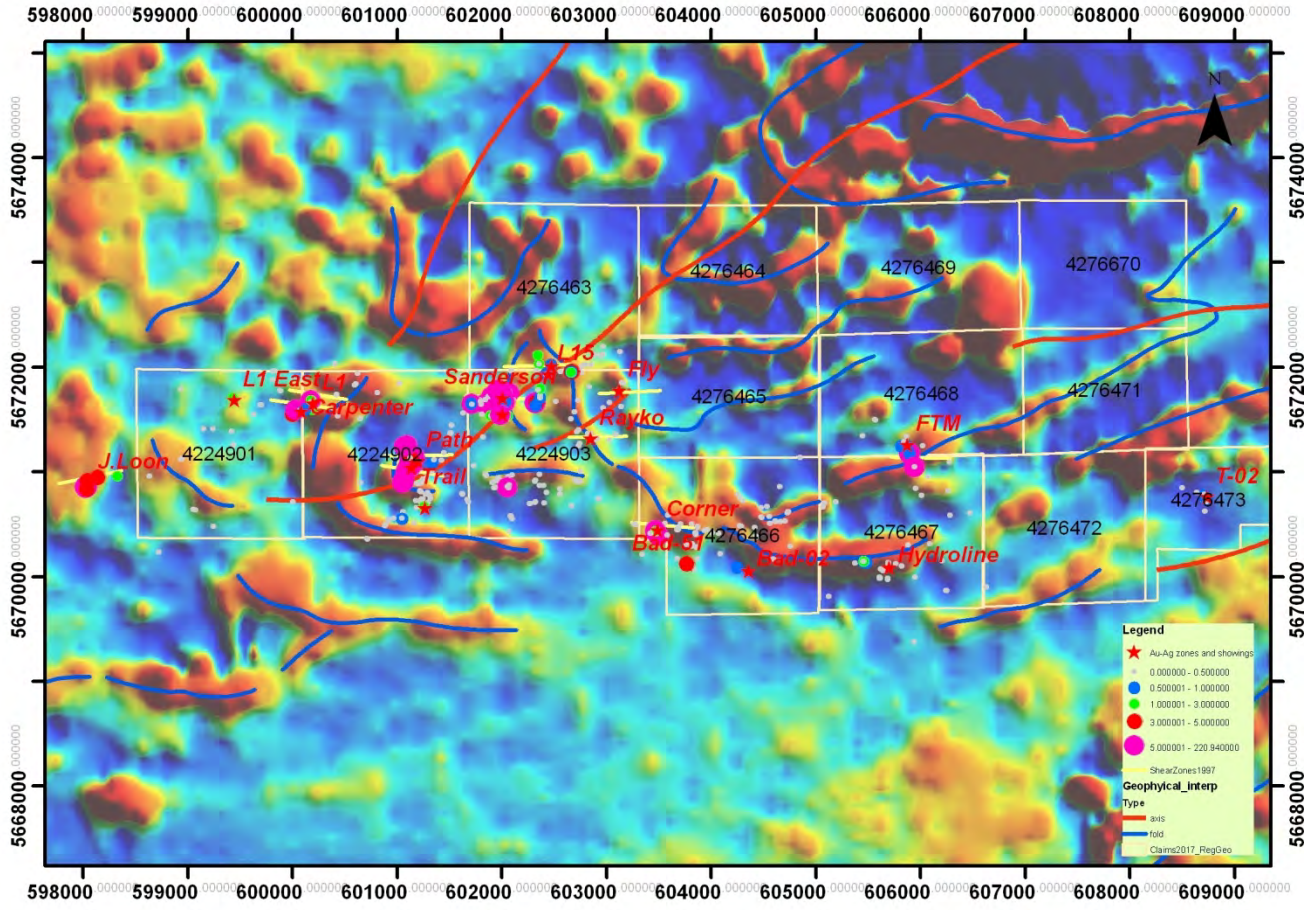


Fig 2. Fold axial domain gold mineralization (historical assays 1995-2014). There are some 1985 grab samples in assessment report that were not included into database. This should be done. Location for FTM should be changed to its high grade samples location! (coordinates were taken from geology map and field visit proved it is not there).

Stratigraphy

The Slate Falls Property, part of the Mean-Dempster greenstone belt of the Uchi Suprovince (Dinel and Pettigrew, 2008, OFR 6208), is composed primarily of mafic metavolcanics rocks deposited in a submarine environment (Woman Assemblage 2.8-2.9 ba) and intruded by 2.8 ba old felsic North Bamaji Pluton to the south and calc-alkalic Bamaji Assemblage (2.7-2.8ba) to the south-east. The greenstone belt has undergone two generations of regional folding and shearing to form the Bamaji shear zone, which is confirmed by airborne geophysical survey on a regional scale. 1st Derivative total magnetic field shows clear folding with two major folds controlling the structure – east trending& plunging Rockmere-Wesleyan synform and north-east trending antiform. Different magnetic responses suggest a potential structural or rheological control (Fig 2).

In the field 59 outcrops were mapped and 22 samples taken (mainly mafic volcanic and felsic intrusive), there was no metasediments outcrops encountered. Mafic metavolcanics appear as dark green, massive to

weakly foliated metabasalts composed of hornblende and plagioclase. Trondhjemite-Granodiorite (North Bamaji Pluton) is outcropping in abundance (up to 10%) in southwest portion of Carpenter claim (4224902) where Trail and Path occurrences were found.

45 structural measures collected (foliation, contacts, qvs, fold axis plunge). Minor outcrop-sized folds occur in southern parts of Sanderson, Corner and Hydroline claims in all lithologies with fold axes consistent with those of the major folds. Planar contact between mafic flows, fairly developed concordant layering with slightly varying colour and grain size in trondhjemite are evidence of flat lying stratigraphy. Foliation varies in intensity from weak to well developed throughout and overall trends north-east and east-west, true schistosity (with >50% of mineral grains aligned) was encountered in Corner area.

Carbonate and chlorite in variable amounts with accessory magnetite and tourmaline were noted in trondhjemite, with sulphides sparsely disseminated. In mafic meta volcanic chlorite and biotite are common, with euhedral to disseminated pyrite and galena.

Quartz veining occurs as set of 2-1.5 cm stringers parallel to foliation. 3-30 cm thick quartz veins typically strike NW-SE and NS. Near Corner occurrence a sample 130224 was taken from the sub-vertical NW trending quartz vein. Quartz veins with high grade mineralization in FTM trench were reported to be NS trending, i.e. in fact cross-cutting folding suggesting they are a later stage event possibly re-mobilized from deeper sources according to Twomey (2014) and interpreted NW faults could play role in that.

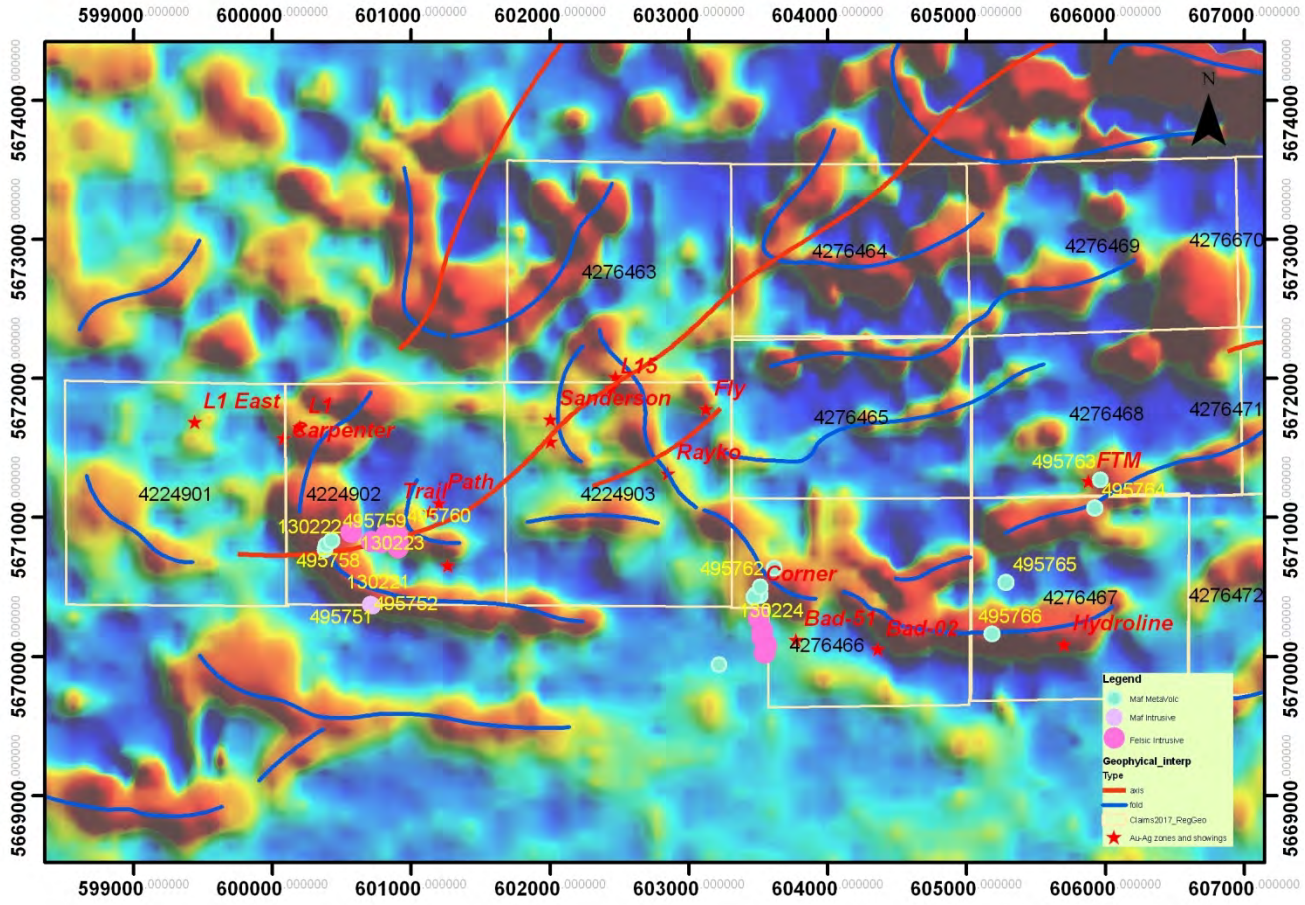


Fig3. Trondhjemite outcrops relate to Mag Low, while Mafic Meta Volcanic to Mag High

Mag lowest anomalies cover swampy areas and they do not have many outcrops exposed. The depth to bedrock is believed to be in the order of 10m. Those outcrops found on low hills in mag low area are moss covered trondhjemite. Mafic metavolcanic s relate to Mag High (Fig3).

It appears that rheology had play its role during deformation when less competent metavolcanics have sheared in highly strained zone compare to adjacent rock that was not strongly fractured allowing mineralized solutions passageway through weakened shear.

Selway 2017 and others indicate that high grade gold is associated with fold hinge domains. That appears to be right for Sanderson, Trail, Path, Corner and FTM (Fig2). To the east of Corner in Bad-51- BAD-02 – Hydroline area there is no correlation between mag anomalies and mineralization.

List of 2017 samples Locations are NAD83 UTM Zone 15U

Easting	Northing	SAMPLE	STATION	Photo	ROCKTYPE
600705.25	5670363.28	495751	St11		Maf Volc
600731.91	5670397.04	495752	St18		Maf Volc
600986.01	5670839.50	495753	St25		Trond
600968.24	5670825.29	130219	St24		QV
600983.84	5670844.20	495754	St26		Maf Volc
601076.70	5670997.72	495755	St31		Maf Volc
601117.07	5671059.34	495756	St32	IMG_0149	Maf Volc
601117.07	5671059.34	130220	St32		Maf Volc
600600.01	5670488.03	495757	St33	IMG_0153	Fels Intr
600534.23	5670616.20	130221	St35	IMG_0162	Felsic Intr
600561.44	5670616.20	495758	St35		Trond
600386.54	5670803.14	130222	St38		Mafic Volc
600567.39	5670895.82	130223	St40	IMG_0166	Trond
600714.46	5670827.96	495759	St41		Trond
600900.22	5670868.09	495760	St43	IMG_0170	Trond
603511.91	5670441.67	495761	St48	IMG_0176	Bt-Chl Schist
603512.66	5670503.01	495762	St51	IMG_0185	Maf Volc
603524.92	5670187.41	130224	St53	IMG_0196	Trond
605960.51	5671272.26	495763	St55	IMG_0193	Maf Volc
605920.24	5671069.94	495764	St56	IMG_0205	Maf volc
605281.54	5670533.63	495765	St58	IMG_0208	Maf Volc
605181.42	5670162.61	495766	St59	IMG_0213	Maf Volc

Re-sampling was done only for Trail Trench

FTM

FTM Zone (605877E, 5671261N, NAD83 Zone 15U) is in newly staked claim 4276468 in the eastern part of the property. Geophysical surveys - IP (1971) and airborne Magnetic –EM-VLT (1997) show anomalies corresponding to FTM, Corner, Bad-02, Hydroline and T-02 gold occurrences. Prospecting and sampling in FTM zone in 1985-2002 found gold mineralization up to

- 4.34 oz/ton Au - 1985
- SF-10 (12.03g/t Au), SF-11(12.59 g/t Au), SF-12(6.36 g/t Au) - 1996
- 67894 (39.14 g/t Au), 67895 (53.80 g/t Au), 67896 with 118.51 g/t Au – 1997
- 23088 (0.72g/t Au), 23090 (0.64 g/t Au) - 2002

During the field trip it was found that FTM gold occurrence shown on geology map is actually 85m away from high grade samples SF-09-SF-12 and 226m away from high grade samples 67894-67896. There is only sample 23088 (0.72 g/t Au) in near proximity to FTM (18m SE). Mineralized samples 23089 (0.28 g/t Au) and 23090 (0.64 g/t Au) are 63m SE of FTM.

High grade samples SF-09-SF-12 are located 75m to the north of interpreted hinge zone. High grade samples 67894-67896 are located 64m south of hinge zone, and 85m NE of claim line post 3009504. Samples SF-07 - SF-08 taken on hinge line carry no mineralization.

2017 sampling tested magnetic high area proximal to hinge line - samples 495763 and 495764 are taken 145m to the north and 34m to the south of hinge line correspondingly.

In future traverses should be 160m long across HZ (80m at least on each side, to cover hinge zone not line).

Corner

Corner occurrence (603487E, 5670445N) is in newly staked claim 4276466. East-west striking shear appear to be related to an antiformal hinge zone plunging to the west at 20° (Selway, 2017). Previous prospecting and sampling found gold mineralization up to:

- Sample BAD-01 (11.36 g/t Au), sample RK-01 (62.58 g/t Au), sample RK-02 (1.79 g/t Au) - 1995
- Sample 67905 (22.63 g/t Au) -1997
- Sample 23066 (3.97 g/t Au), called BAD-51 Area is 420m SE Corner occurrence near the contact of the North Bamaji Pluton - 2002

Assays from 1995-2002 sampling along hinge zone in mag high area (VR-1-VR-21, 23040, 23307, 23308, 23401) did not return values higher than 0.16 g/t Au (sample VR-12). Grab samples (VR-22-VR-24) in mag high area on 1997 humus sampling grid 130m south of hinge zone returned values 0.17-0.18 g/t Au.

2017 sampling tested magnetic high area proximal to hinge zone – samples 495762 and 495761 are taken 90m and 135m south of hinge zone correspondingly.

Bad-02 - Hydroline

Bad-02 (604360E, 5670121N) and Hydroline (605704E, 5670089N) are located in adjacent newly staked claims 4276466 and 4276467. Examination of the assays from 1997-2002 sampling in mag high area along hinge line shows only one sample BAD-46 has 1.68 g/t Au, the rest (23311-23312, 23316, 23080-23083, SF-31, RAD-04, 23324, SF-16-SF-18, BAD-04, 23125-23130, BAD-47-Bad-48, SF-14-SF-15) are less than 0.5g/t Au.

Recommendations

Further efforts should focus on exposing more of a bedrock with trenching for mapping and sampling which will help to figure out structure(faults, bedding, folding) and test for hinge zone mineralization, possibly locate lode type quartz veins (during field trip no veins with thickness more than 30cm were encountered in outcrops examined) .

Assess potential for drilling geochemical anomalies

IMG-0137
Highly strained felsic intrusive (fine to medium grain quartz biotite leucocratic schist)

Closeup

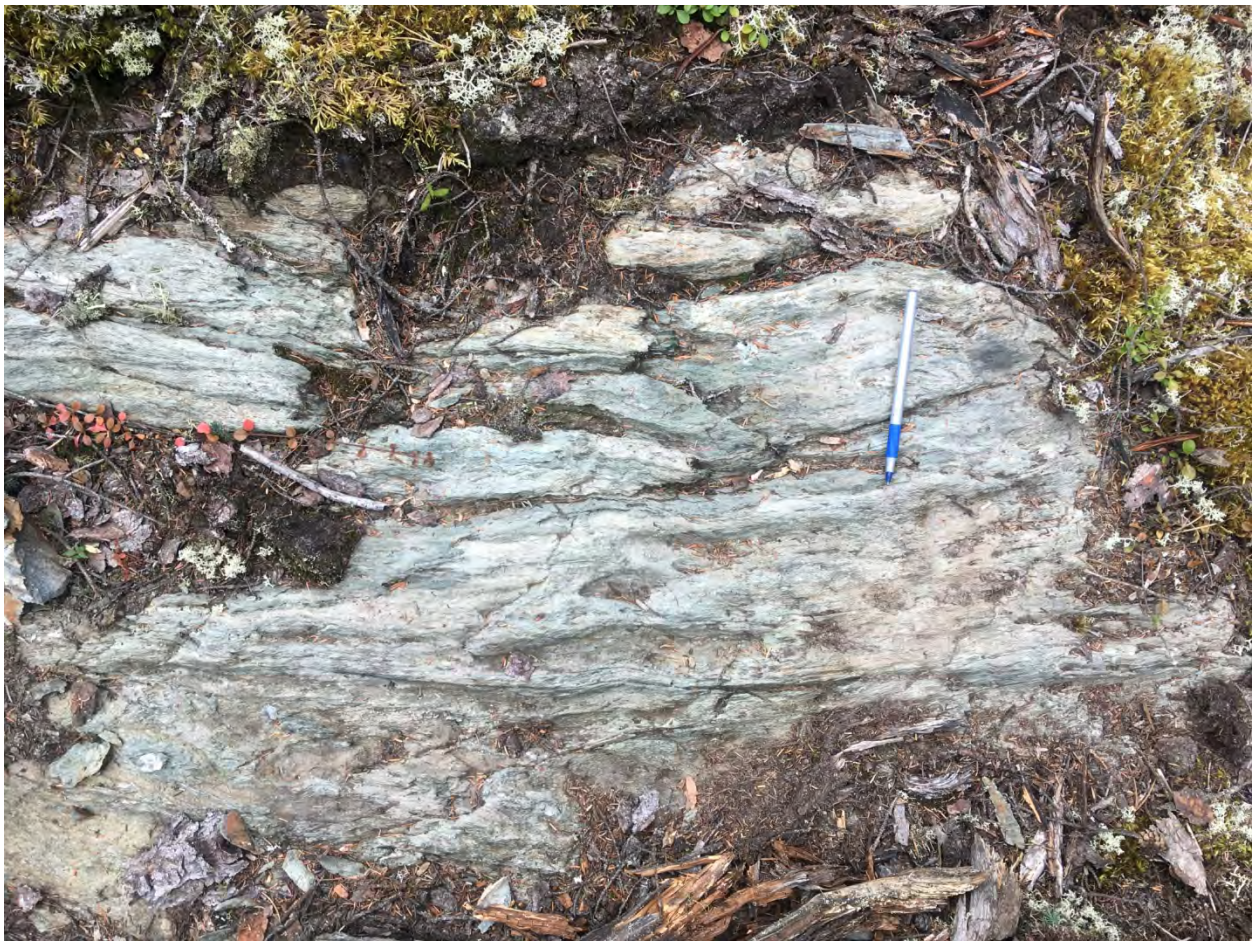
IMG-0141
Dextral shear along two foliation planes

IMG_0142
Intensely foliated & fractured felsic intrusion

IMG_0149
Highly foliated mafic volcanic. Trail Trench (historical samples - 1291532 and 1291531)
There are no visible quartz veins parallel to almost vertical foliation, but there is a pile of qz rubble that was likely sampled by Tim Twomey
Trench needs to be redone. Two samples were taken here – 495756 (for whole rock analysis) and 130220 from quartz pile for FA-ICP

IMG_0154
Intensely foliated & fractured felsic intrusive.
Sample 495757 is taken (600600E, 5670488N)

IMG_0169
Fractured (N-S) and foliated (NW-E)



IMG_0176
Bt-Chl Schist (place near Beaver Pond where Parker perhaps took his high grade sample in 1997), next two photos 0177-0178 show other outcrops within 20m radius.
Sample 495761 is taken (603511.91E, 5670441.67N)

IMG_0177

Bt-Chl Schist near Beaver Pond – qvs are boudinaged and dipping NW, NS-fracturing (place where Parker took his high grade sample in 1997)

IMG_0178
Foliated Mafic Volcanic near Beaver pond (Parker's high grade sample?)

IMG_0213.jpg
Another example of shear zone – intensely foliated magnetic Mafic Volcanic with sub-vertical QV, Sample 495766 taken

IMG_0174
Evidence of folding in Mafic Volcanic 200m south of claim boundary. Hammer shows North

IMG_0175
Evidence of folding – Hinge Zone? Looks like qvs show Z-folds

ING_0144
Evidence of flat lying stratigraphy (contact between Mafic Volcanic and Felsic Intrusive)

IMG_0163

Evidence of flat lying stratigraphy - Mafic Volcanic in contact with Trondhjemitic sill (magnetic with few Mafic Volcanic xenoliths) and not magnetic Felsic Intrusive at the bottom.

IMG_0132.jpg
Trondhjemite with lots of xenolites in contact with mafic volcanic - evidence of flat lying stratigraphy

IMG_0196
Sample 130224 (603524E, 5670187N) is taken in near proximity to FTM

Slate Falls Project Review

Patricia Mining Division
Wesleyan Lake and Fry Lake areas

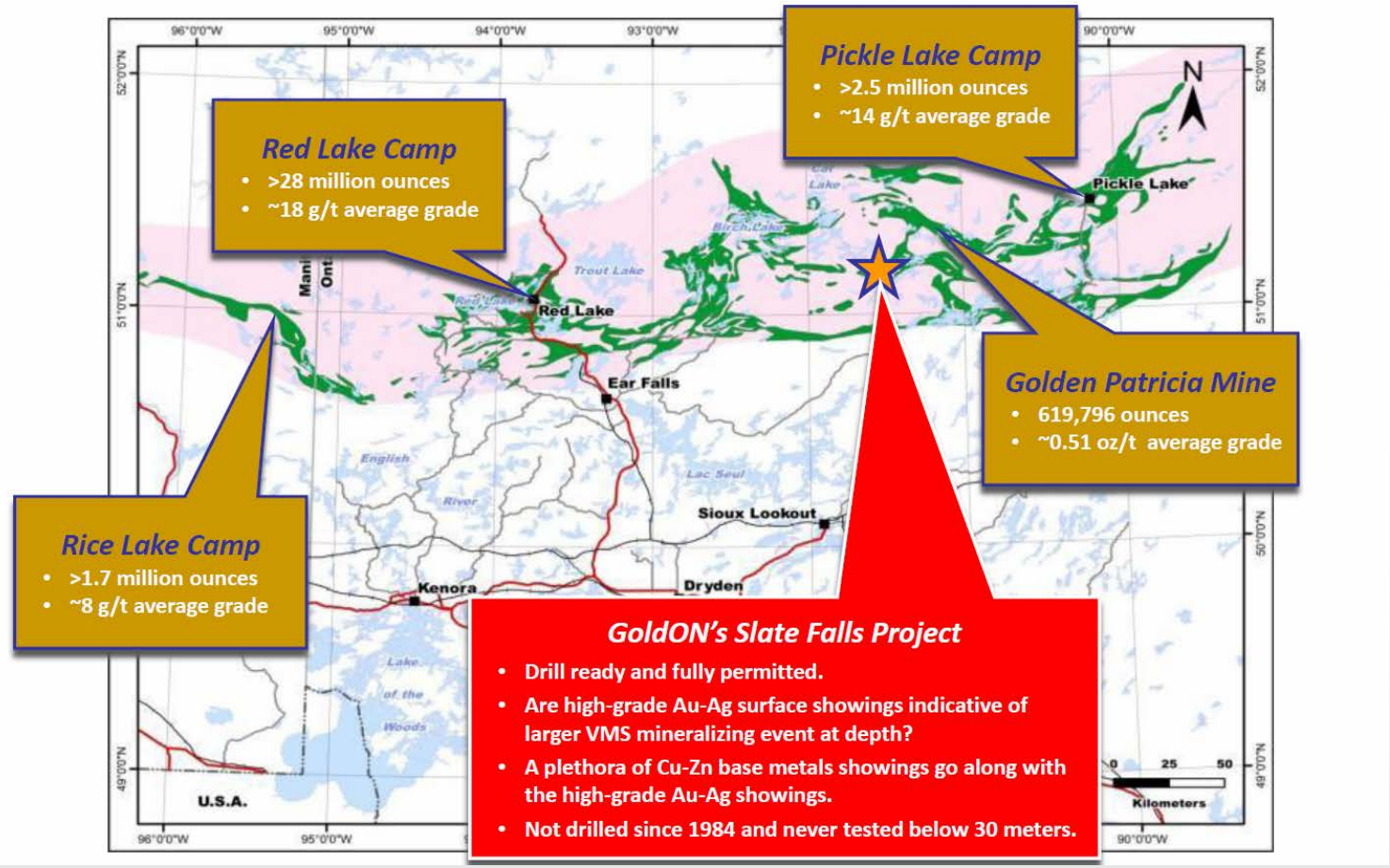
August 31, 2017

For: GoldON Resources

Prepared by:

R. Bob Singh P.Geo
Albina Adamova P.Geo

Property Location



Source : GoldON corporate presentation

Exploration Model

- Twomey (2014) identifies the potential to host a larger precious metal rich deposit underneath the high grade silver-gold showings. Proposes an intrusive source (Bamaji Pluton) driving a mineralization event in deeper source rocks.

- Selway (2017) “The new interpretation of the historic grab sampling, drilling and geophysics survey data indicates that the structural control for the mineralization is simple folds in the west and compound folds in the eastern part of the Property. The high grade mineralization is concentrated in the hinge of the fold. The mineralization is also related to ductile deformation similar to that in Pickle Lake, Red Lake and Rice Lake greenstone belts. “

- Parker et al., (1995) identified the Slate Falls Deformation Zones as the regional structural control of the shear quartz vein hosted gold mineralization over a strike length of 10 km and up to 1.5 km wide.

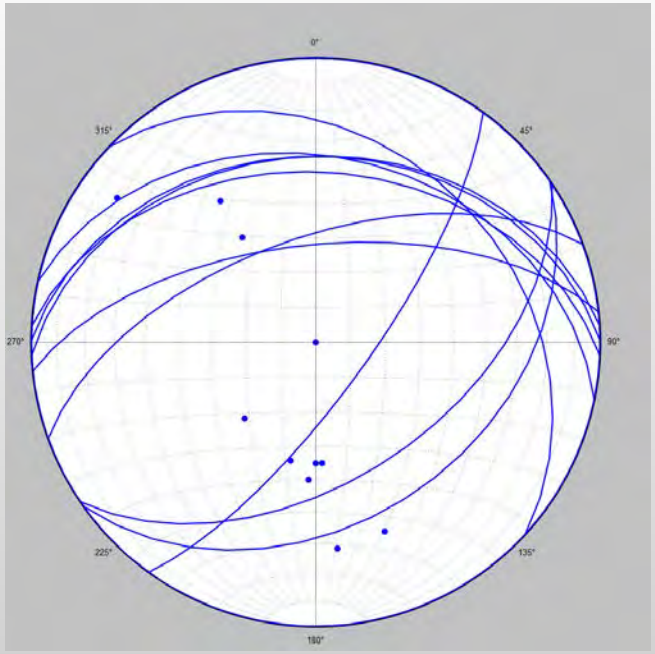
Data Compilation

- Data were extracted from various assessment reports including the following:
- 159 drillhole assay records
- 250 surface samples with Au analysis
- Digitized numerous trenches, pits and rock description observations
- 80 Structural Measurements
- 360 Outcrops
- Various other data including, contacts, shear zones, geochemical grid locations.
- Geophysical data were re-gridded (Analytical signal, 1st Derivative and High pass filters were employed)
- Drillhole and geochemical data were reviewed in Leapfrog 3D
- All data have been compiled into Arcview shp files.

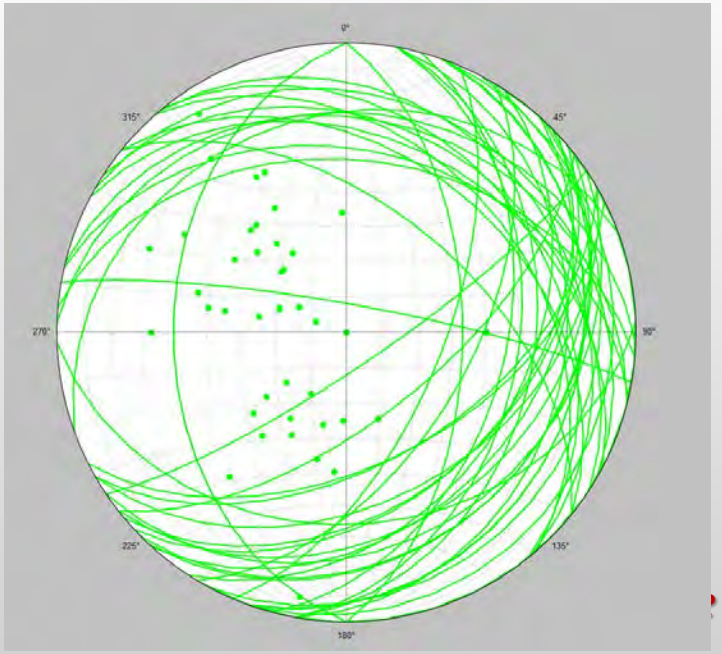
Structural Data

- Reports (Twomey 2014, Selway 2017 and others) discuss near vertical shear zones hosting narrow quartz veins with high grade gold and silver. Data on the type of shear zone was not located (ie. Pure Shear, brittle, ductile etc)
- Twomey 2014 and others also report flat lying stratigraphy in the immediate area of the high grade mineralization. (This is confirmed in the database)
- Selway 2017 indicates that high grade gold is associated with fold hinge domains. This is also evident in the database.

Foliation shows a consistent NE-SW strike with dips to both sides.

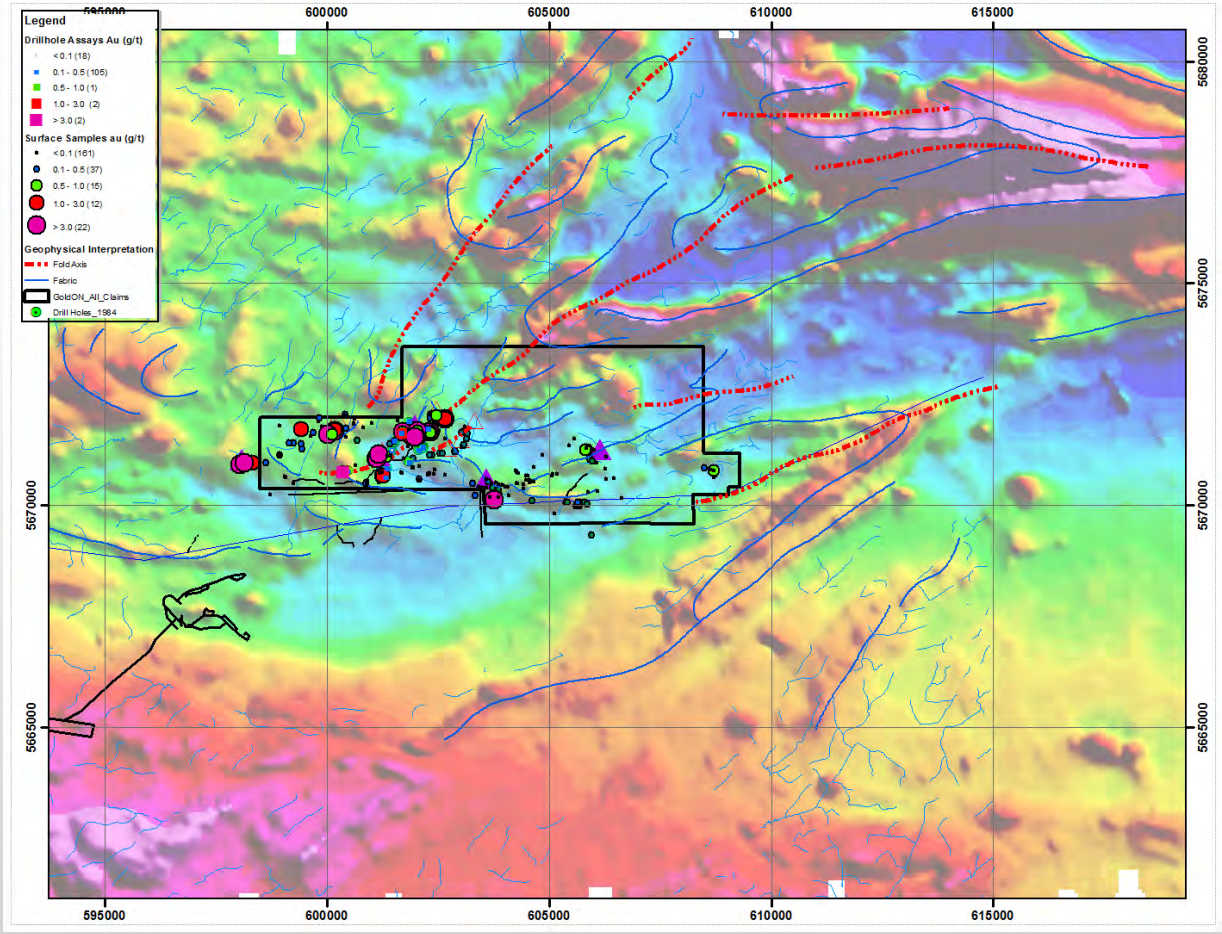


Bedding is generally flat lying and striking NE-SW.



Geophysical Data

- Geophysical dataset 1013 was reviewed (reprocessed by the OGS from 2003 and other data)
- Derivative and analytical signal products show clear folding on a large regional scale. Gold results are concentrated along major hinge lines.

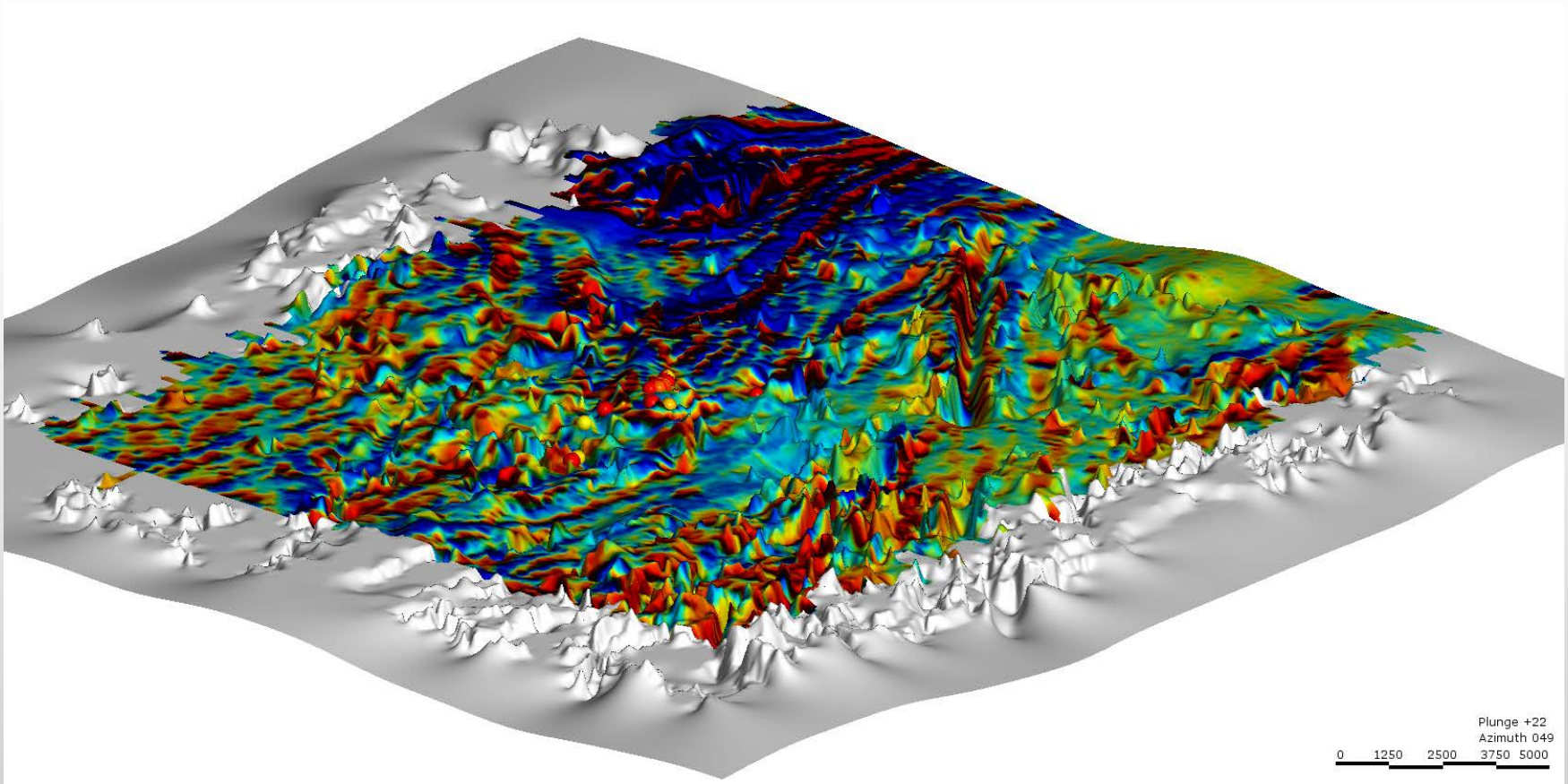


Map shows interpreted fabric and hinge lines (red) from regional geophysics. Interpretation was drawn from 1st Derivative total magnetic field. Map shows Total field (leveled).

North Face Software Ltd.

Geophysical Data

The image below shows a 25x vertical exaggeration of the topography with 1st Derivative total magnetic field overlay. The resulting hills and valleys clearly show different magnetic responses suggesting a potential structural or rheological control. How real is this and can you identify it in the field?



Conclusions and Recommendations

- For the VMS model – no trace element geochemistry data were located. Rock samples need to be analyzed for trace element data as well has whole rock (4-acid ICP) . This will provide a framework to establish base metal ratios and may provide geochemical vectors to source areas. Whole rock data will assist with identifying alteration zonation.
- Structural data suggests a strong correlation between fold hinges and mineralization. Structures need to be further investigated to determine the type of structure (potential offsets) and association with mineralization and alteration.
- Geophysical data suggest re-folding and axial planar hinge domains may be host to mineralization. Twomey (2014) as well as the authors of this report caution the use of airborne EM data for targeting as the stratigraphy is flat lying and may not see through cover rock sequences.
- Veins have been noted to occur in vertical shear zones within generally flat lying stratigraphy. If the veins are associated with dilation along broad hinge domains within folded rocks, then they are related to the folding event (ie. Red Lake) and may have depth potential. If the veins are in fact cross –cutting folding then they are a later event possible re-mobilized from deeper sources as suggested by Twomey (2014).

Conclusions and Recommendations

- Conduct property wide geological mapping and rock sampling. Focus on colleting as much structural and alteration data as possible. Analyze all samples for multi-element 4-Acid ICP and Au.
- Prospect and sample along hinge lines to the NE of the property following the hinge into well folded rocks. Determine if additional land staking is needed.
- Try to determine the source of the magnetic high anomalies , are they formational?
- Attempt to identify areas on the property where bedding is near vertical (better chance for vein emplacement)
- Assess potential for drilling better geochemical anomalies (it appears that the historic drilling did not target described mineralization.

- Determine if there is an offset in the grid location (there seems to be a shift of > 100m in some of the data which may be related to datum)

Appendix IV: Assay Certificates

Quality Analysis ... *Innovative Technologies*

Date Submitted: 19-Sep-17
Invoice No.: A17-10204
Invoice Date: 19-Oct-17
Your Reference: Slate Falls

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

22 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A17-10204**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 19-Sep-17
Invoice No.: A17-10204
Invoice Date: 19-Oct-17
Your Reference: Slate Falls

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

22 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A17-10204**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Lower Limit	5	1	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	0.5	0.1	0.1	0.1	10	0.05	0.05	0.1	0.05
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
130219	7	1	12.0	2.34	0.57	5.47	0.52	1.40	< 0.1	31	33.4	306	1.75	1.9	18.6	0.3	0.7	0.1	< 10	< 0.05	1.29	4.6	0.36
130220	> 5000	14	1.1	0.06	0.07	0.22	0.02	0.58	41.0	5	45.0	209	1.97	< 0.1	6.0	0.1	< 0.1	< 0.1	70	> 100	0.06	2.5	0.08
130221	64	16	11.2	> 3.00	0.21	6.79	1.41	0.37	0.2	18	14.8	108	1.09	3.3	4.0	0.1	1.0	< 0.1	< 10	0.97	0.62	1.7	0.23
130222	64	11	4.9	0.91	4.41	7.10	0.11	9.08	0.1	237	246	1670	8.45	0.8	90.5	1.9	0.2	0.6	< 10	0.78	0.13	43.4	0.54
130223	14	4	16.6	> 3.00	0.69	8.17	1.51	1.55	< 0.1	34	19.5	284	2.03	2.4	11.0	0.6	1.1	0.2	< 10	0.07	0.83	6.4	0.44
130224	990	37	0.6	0.11	0.02	0.38	0.16	0.04	< 0.1	3	22.3	120	1.37	< 0.1	3.7	< 0.1	< 0.1	< 0.1	< 10	0.75	0.07	2.4	< 0.05
495751		< 1	5.8	1.77	3.22	8.57	0.31	7.40	< 0.1	191	143	1680	6.81	0.9	96.4	2.1	0.3	0.7	< 10	0.07	0.30	47.2	0.73
495752		< 1	10.5	0.52	4.34	6.35	0.19	7.93	< 0.1	237	149	6840	13.3	1.1	25.5	2.5	0.2	0.8	10	0.33	0.18	12.6	0.56
495753		5	17.7	> 3.00	0.64	8.05	0.73	1.84	< 0.1	34	19.1	271	1.99	2.6	11.6	0.5	1.0	0.2	< 10	< 0.05	1.59	5.2	0.43
495754		< 1	7.6	2.38	2.64	8.10	0.19	7.89	< 0.1	214	156	1890	8.10	0.7	94.5	2.3	0.3	0.7	< 10	0.08	0.21	46.2	0.67
495755		< 1	18.7	1.56	4.39	7.76	0.19	5.94	< 0.1	262	144	2170	9.05	1.1	98.0	2.1	0.3	0.7	< 10	0.16	0.51	47.6	0.71
495756		3	18.7	1.26	4.21	7.35	0.54	6.26	4.2	255	131	1730	8.03	0.7	92.9	2.0	0.4	0.7	< 10	0.54	1.17	41.6	0.61
495757		7	11.6	> 3.00	0.33	9.71	1.75	1.49	< 0.1	25	9.0	260	1.57	3.1	5.2	0.4	1.5	0.1	< 10	0.06	0.80	4.1	0.46
495758		< 1	14.3	> 3.00	0.68	7.76	0.97	2.01	< 0.1	32	24.6	289	2.01	2.3	11.2	0.5	0.9	0.2	< 10	< 0.05	1.26	5.9	0.38
495759		< 1	6.6	> 3.00	0.18	7.72	1.81	0.97	< 0.1	16	6.5	140	1.12	1.2	2.6	0.4	1.0	0.1	< 10	< 0.05	0.66	2.1	0.32
495760		< 1	18.7	> 3.00	0.67	8.09	0.97	2.04	< 0.1	34	16.6	245	2.14	2.9	10.2	0.5	1.1	0.1	< 10	< 0.05	0.94	6.8	0.43
495761		< 1	24.0	1.63	4.19	7.87	0.36	2.73	< 0.1	166	303	1250	6.94	1.5	111	1.4	0.5	0.4	< 10	< 0.05	2.63	47.5	0.47
495762		< 1	10.4	1.40	3.04	7.95	0.31	6.89	< 0.1	191	144	3830	8.78	1.0	104	2.3	0.4	0.7	< 10	< 0.05	0.54	45.5	0.73
495763		< 1	13.0	1.75	4.49	7.58	0.35	6.48	0.1	239	160	1400	8.93	1.0	89.6	2.2	0.3	0.7	< 10	0.06	1.04	44.2	0.64
495764		< 1	11.4	> 3.00	3.63	8.24	0.27	4.97	< 0.1	175	134	1720	7.08	1.0	84.5	2.0	0.3	0.6	< 10	< 0.05	1.17	39.0	0.62
495765		2	7.8	2.22	4.19	7.19	0.31	6.94	< 0.1	145	224	1350	6.60	1.1	77.8	1.4	0.3	0.5	< 10	< 0.05	0.62	38.3	0.55
495766		15	7.5	1.47	4.35	6.80	0.11	8.98	0.1	219	180	1730	7.89	0.9	84.9	1.9	0.3	0.6	< 10	< 0.05	0.08	43.4	0.64

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
130219	0.05	0.1	32.4	11.2	3.3	22.6	3.2	70	2.0	2.92	< 0.1	< 1	0.3	< 0.1	175	9.0	18.8	2.2	8.1	1.3	1.1	0.1	0.7
130220	72.6	10.5	2700	0.7	23.7	1.0	1.1	2	0.1	2.63	0.1	< 1	14.2	479	10	0.3	0.8	0.1	0.7	0.3	0.3	< 0.1	0.3
130221	0.10	< 0.1	36.6	18.0	0.3	45.7	1.5	119	2.4	0.70	< 0.1	< 1	1.0	2.1	492	4.5	9.8	1.0	4.3	1.0	0.7	< 0.1	0.4
130222	0.16	0.4	93.9	13.6	7.2	1.7	15.0	21	0.8	1.05	< 0.1	< 1	0.4	0.2	23	2.4	6.3	0.9	5.2	1.6	2.2	0.4	2.6
130223	0.03	0.1	50.0	17.2	< 0.1	50.0	4.5	81	1.0	0.54	< 0.1	< 1	0.2	0.2	391	7.4	17.2	2.0	8.3	1.3	1.4	0.2	1.0
130224	0.88	0.2	5.5	1.0	1.1	2.8	0.2	3	0.2	2.60	< 0.1	< 1	0.2	2.6	125	0.6	0.7	< 0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.1
495751	0.07	< 0.1	80.3	15.9	< 0.1	7.4	17.3	25	0.1	0.09	< 0.1	< 1	< 0.1	< 0.1	134	3.4	9.2	1.4	7.3	2.0	2.8	0.4	3.3
495752	0.51	1.1	83.0	13.5	0.9	2.7	19.2	38	2.2	1.13	< 0.1	< 1	2.9	0.5	47	3.1	8.1	1.2	6.2	1.8	2.7	0.5	3.5
495753	0.04	< 0.1	48.3	17.6	2.4	32.4	5.1	86	0.5	0.49	< 0.1	< 1	0.1	< 0.1	448	8.1	18.0	2.0	8.3	1.5	1.4	0.2	1.2
495754	0.08	< 0.1	92.5	15.1	< 0.1	3.7	18.3	15	0.5	0.64	< 0.1	< 1	< 0.1	< 0.1	67	3.1	8.7	1.3	6.9	2.0	3.0	0.5	3.5
495755	0.05	< 0.1	96.6	15.7	1.6	3.4	17.9	37	2.4	0.27	< 0.1	< 1	1.0	0.1	29	2.9	8.2	1.3	6.7	2.0	2.7	0.4	3.3
495756	0.08	0.3	193	13.7	0.1	22.0	16.4	25	2.1	1.34	< 0.1	< 1	0.9	0.1	85	3.4	8.7	1.3	6.8	2.1	2.6	0.4	3.2
495757	0.05	0.1	34.6	18.8	0.9	43.3	4.0	98	3.2	0.50	< 0.1	< 1	0.7	0.3	1010	9.9	23.3	2.3	8.9	1.7	1.2	0.1	0.8
495758	0.02	< 0.1	52.0	17.6	< 0.1	31.1	4.1	79	0.2	0.50	< 0.1	< 1	< 0.1	< 0.1	382	6.7	16.7	1.8	7.6	1.6	1.2	0.1	0.9
495759	< 0.02	< 0.1	24.3	15.3	< 0.1	35.4	3.7	41	1.4	0.69	< 0.1	< 1	0.1	< 0.1	547	5.7	13.8	1.7	6.8	1.9	1.1	0.1	0.8
495760	0.03	< 0.1	52.0	17.2	< 0.1	37.9	4.1	109	0.3	0.35	< 0.1	< 1	< 0.1	< 0.1	448	7.2	16.6	2.1	8.7	1.9	1.4	0.2	0.9
495761	0.29	< 0.1	77.2	13.0	0.2	20.5	10.4	52	0.4	0.56	< 0.1	< 1	< 0.1	< 0.1	120	5.0	12.1	1.4	6.4	1.3	1.7	0.3	2.1
495762	0.09	< 0.1	97.0	14.3	< 0.1	8.9	16.9	34	0.2	0.09	< 0.1	< 1	0.2	< 0.1	161	3.0	8.5	1.3	6.7	2.2	2.7	0.4	3.1
495763	0.07	0.4	86.4	13.9	0.1	11.2	16.9	34	0.9	0.26	< 0.1	< 1	< 0.1	< 0.1	129	2.8	7.9	1.2	6.5	2.1	2.6	0.4	3.2
495764	0.07	< 0.1	89.4	12.9	0.8	10.0	16.1	32	< 0.1	0.08	< 0.1	< 1	< 0.1	< 0.1	62	2.3	6.9	1.1	5.6	1.8	2.4	0.4	3.2
495765	0.06	< 0.1	71.0	12.9	< 0.1	13.0	12.1	37	< 0.1	0.09	< 0.1	< 1	< 0.1	< 0.1	147	6.3	14.0	1.7	7.6	1.8	2.0	0.3	2.5
495766	0.15	< 0.1	132	15.4	< 0.1	0.7	15.5	25	1.4	1.10	< 0.1	< 1	< 0.1	< 0.1	16	2.9	8.0	1.2	6.8	2.1	2.7	0.4	3.0

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.001	0.05	0.5	0.1	0.1	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
130219	15.6	0.3	< 0.1	0.3	< 0.1	< 0.1	276	0.6	< 0.001	0.13	5.3	2.0	0.5	
130220	1970	1.1	< 0.1	0.1	< 0.1	< 0.1	9.5	134	0.002	< 0.05	> 5000	0.3	0.3	102
130221	44.9	< 0.1	< 0.1	0.1	< 0.1	0.2	266	4.7	< 0.001	0.31	28.2	3.4	1.3	
130222	137	1.0	0.3	1.7	0.3	< 0.1	93.8	0.2	0.001	< 0.05	36.7	0.4	0.1	
130223	10.4	< 0.1	< 0.1	0.4	< 0.1	< 0.1	477	1.7	< 0.001	0.33	12.7	2.4	0.7	
130224	1.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	15.1	4.6	< 0.001	< 0.05	8.6	< 0.1	0.7	
495751	121	0.2	0.3	1.9	0.3	< 0.1	147	< 0.1	0.001	0.05	2.7	0.5	0.1	
495752	65.1	0.8	0.3	2.2	0.4	0.1	74.4	26.6	0.001	< 0.05	2.5	0.4	0.2	
495753	10.7	0.2	< 0.1	0.5	< 0.1	< 0.1	380	0.1	< 0.001	0.21	6.2	2.2	0.7	
495754	60.5	0.4	0.3	2.1	0.3	< 0.1	148	0.1	0.004	< 0.05	3.0	0.5	0.4	
495755	137	0.4	0.3	2.0	0.3	0.2	96.1	0.6	< 0.001	< 0.05	1.9	0.4	0.2	
495756	87.2	0.5	0.3	1.9	0.3	0.1	120	1.0	0.002	0.14	29.5	0.4	0.2	
495757	7.5	< 0.1	< 0.1	0.4	< 0.1	< 0.1	482	3.6	< 0.001	0.23	13.1	2.4	1.4	
495758	2.1	< 0.1	< 0.1	0.4	< 0.1	< 0.1	443	< 0.1	< 0.001	0.21	7.3	1.6	0.5	
495759	7.1	< 0.1	< 0.1	0.4	< 0.1	< 0.1	303	0.6	< 0.001	0.17	7.9	3.6	1.2	
495760	22.4	< 0.1	< 0.1	0.4	< 0.1	< 0.1	394	< 0.1	< 0.001	0.24	8.0	2.9	0.8	
495761	87.0	0.7	0.2	1.2	0.2	< 0.1	150	< 0.1	< 0.001	0.14	5.9	1.5	0.4	
495762	36.6	< 0.1	0.3	1.9	0.3	< 0.1	182	< 0.1	0.001	0.09	2.5	0.6	11.4	
495763	129	0.6	0.3	2.0	0.3	< 0.1	161	< 0.1	0.001	0.08	2.6	0.5	0.3	
495764	55.0	0.3	0.3	1.8	0.3	< 0.1	78.2	< 0.1	0.001	0.13	1.8	0.4	0.1	
495765	56.0	0.3	0.2	1.4	0.2	< 0.1	126	< 0.1	< 0.001	0.23	2.3	1.5	0.4	
495766	79.3	0.7	0.3	1.7	0.3	< 0.1	162	< 0.1	< 0.001	< 0.05	2.0	0.4	0.1	

Analyte Symbol	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Lower Limit	5	1	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	0.5	0.1	0.1	0.1	10	0.05	0.05	0.1	0.05
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas		3	8.6	0.05	0.24	2.30	0.04	0.95	2.7	81	13.8	949	26.3	0.3	41.6		1.1		4180	32.5	2.62	8.0	0.56
GXR-1 Cert		15.0	8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	41.0		1.22		3900	31.0	3.00	8.20	0.690
GXR-1 Meas		< 1	8.5	0.05	0.23	2.30	0.04	0.93	2.7	84	16.7	877	24.8	0.5	40.6		0.9		2310	31.7	2.48	7.7	0.57
GXR-1 Cert		15.0	8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	41.0		1.22		3900	31.0	3.00	8.20	0.690
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		8	10.8	0.51	1.78	6.66	3.18	0.93	0.2	79	46.0	150	2.97	1.4	38.7		2.0		120	3.35	2.13	13.1	1.26
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
GXR-4 Meas		< 1	11.1	0.51	1.80	6.92	4.16	1.00	0.3	92	45.5	151	3.15	1.3	38.5		1.9		80	3.35	2.08	13.5	1.20
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
SDC-1 Meas		< 1	36.6	1.71	1.11	8.65	3.07	1.00		36	42.9	876	4.86	0.8	34.6	3.8	3.0	1.2	10		3.27	17.3	1.39
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
SDC-1 Meas		1	35.8	1.59	1.09	8.38	2.88	1.10		48	50.1	889	4.96	1.0	33.8	3.2	2.8	1.2	< 10		3.22	18.1	1.28
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
GXR-6 Meas		< 1	34.8	0.09	0.66	> 10.0	2.07	0.15	< 0.1	96	45.2	1040	5.85	1.8	24.2		1.2		80	0.24	3.67	13.4	0.60
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
GXR-6 Meas		< 1	34.1	0.10	0.63	> 10.0	1.98	0.16	< 0.1	155	61.1	1040	5.90	2.6	24.9		1.0		20	0.21	3.41	13.4	0.57
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
DNC-1a Meas			4.7							139	163				262							54.8	0.50
DNC-1a Cert			5.2							148	270				247							57	0.59
DNC-1a Meas			4.6							155	159				263							57.5	0.47
DNC-1a Cert			5.2							148	270				247							57	0.59
SBC-1 Meas			177						0.3	211	80.3			3.8	89.9	3.6	3.5	1.3			7.22	23.1	1.81
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
SBC-1 Meas			161						0.4	230	88.5			3.5	83.8	3.3	3.1	1.2			6.50	21.4	1.58
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			21.1	0.09	0.19	7.42	0.39	0.17		112	522	471	13.8	2.5	222	1.2	0.8	0.4			3.00	27.5	0.49
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 45d (4-Acid) Meas			22.0	0.10	0.21	8.55	0.43	0.20		134	512	515	15.0	2.5	238	1.3	0.8	0.4			3.05	29.6	0.53
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
SdAR-M2 (U.S.G.S.) Meas			18.7						5.6	24	44.0			3.3	51.0	2.8	7.2	0.9	1320		1.55	13.7	1.27
SdAR-M2 (U.S.G.S.) Cert			17.9						5.1	25.2	49.6			7.29	48.8	3.58	6.6	1.21	1440.00		1.82	12.4	1.44
SdAR-M2 (U.S.G.S.) Meas			18.2						5.4	26	45.0			3.8	50.0	2.7	6.9	0.9	650		1.46	13.2	1.13
SdAR-M2 (U.S.G.S.) Cert			17.9						5.1	25.2	49.6			7.29	48.8	3.58	6.6	1.21	1440.00		1.82	12.4	1.44

Analyte Symbol	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Lower Limit	5	1	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	0.5	0.1	0.1	0.1	10	0.05	0.05	0.1	0.05
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 214 Meas																							
OREAS 214 Cert																							
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas	1800																						
OREAS 223 (Fire Assay) Cert	1780																						
OREAS 220 (Fire Assay) Meas	875																						
OREAS 220 (Fire Assay) Cert	828																						
130220 Orig																							
130220 Dup																							
130224 Orig	979																						
130224 Dup	1000																						
495766 Orig		15	7.6	1.50	4.45	6.94	0.11	9.11	0.1	261	192	1780	8.01	1.0	86.1	1.9	0.3	0.7	< 10	< 0.05	0.08	44.3	0.65
495766 Dup		15	7.4	1.43	4.25	6.65	0.11	8.84	0.1	177	169	1680	7.77	0.8	83.8	1.8	0.2	0.6	< 10	< 0.05	0.08	42.5	0.63
Method Blank		18	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	2	5.9	15	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		18	< 0.5	< 0.01	< 0.01	0.04	< 0.01	< 0.01	< 0.1	< 1	5.3	18	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		20	< 0.5	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.1	1	3.5	9	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		19	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	7.4	28	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	4.7	7	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		18	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3.0	3	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		16	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	1.8	3	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		19	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	1.8	3	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank	< 5																						
Method Blank																							

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas	1490	16.3	801	8.0	451	2.9	28.9	15	0.5	19.4	0.7	30	27.4	8.8	736	7.2	15.2		9.3	3.0	4.2	0.7	4.9
GXR-1 Cert	1380	16.6	760	13.8	427	14.0	32.0	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30
GXR-1 Meas	1430	18.1	709	6.6	446	3.4	28.4	24	0.6	19.7	0.7	29	35.5	9.6	695	8.2	14.9		8.9	2.7	3.9	0.7	4.6
GXR-1 Cert	1380	16.6	760	13.8	427	14.0	32.0	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	18.8	5.3	67.6	16.2	99.0	123	12.2	41	9.8	327	0.2	7	4.2	0.9	82	51.9	103		43.2	6.4	4.7	0.5	2.7
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
GXR-4 Meas	19.1	6.6	70.3	15.7	105	150	12.2	41	9.7	329	0.2	7	4.5	0.9	301	59.4	100		41.0	5.2	4.7	0.5	2.5
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas			105	19.5	< 0.1	129		26	< 0.1			< 1	< 0.1		644	37.0	83.7		42.8	8.4	7.1	0.9	6.1
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas			98.0	18.8	< 0.1	123		35	< 0.1			< 1	< 0.1		610	40.9	79.4		38.4	6.5	6.2	0.9	5.9
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.20	0.2	133	24.2	224	85.0	11.8	58	< 0.1	0.25	< 0.1	< 1	0.2	< 0.1	1250	11.8	34.2		13.1	2.9	2.6	0.3	2.3
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
GXR-6 Meas	0.19	1.0	125	23.8	295	81.9	11.4	92	1.0	1.25	< 0.1	1	1.1	< 0.1	1150	12.6	31.7		12.2	2.3	2.1	0.3	2.2
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
DNC-1a Meas			64.5	12.6		3.4	14.8	37	1.5				0.5		100	3.2			5.2				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas			61.4	12.4		3.4	14.7	39	1.6				0.8		98	3.7			4.7				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas	0.74		207	25.7	25.3	146	31.4	129	14.4	2.68		4	1.1		461	49.3	108	13.1	53.8	9.5	8.7	1.1	6.8
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas	0.66		181	21.8	25.1	154	28.9	128	15.9	2.28		4	1.1		733	49.9	94.2	11.3	46.5	7.4	7.3	1.0	6.0
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.37		41.6	19.8	6.4	35.4	9.6	91	0.4	0.52	< 0.1	< 1	< 0.1		171	13.9	32.2	3.6	14.0	2.7	2.2	0.3	2.1
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas	0.36		40.8	19.4	7.3	41.2	10.0	94	0.4	0.54	< 0.1	< 1	< 0.1		174	17.0	33.2	3.5	13.8	2.4	2.2	0.3	2.2
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
SdAR-M2 (U.S.G.S.) Meas	1.12		831	14.6		128	23.9	107	5.5	12.2					1050	43.4	98.5	10.6	41.3	6.8	6.0	0.7	4.8
SdAR-M2 (U.S.G.S.) Cert	1.05		760	17.6		149	32.7	259	26.2	13.3					990	46.6	98.8	11.0	39.4	7.18	6.28	0.97	5.88
SdAR-M2 (U.S.G.S.) Meas	1.04		770	15.0		133	23.0	120	4.3	11.5					968	45.6	89.6	9.6	37.1	5.7	5.2	0.7	4.5
SdAR-M2 (U.S.G.S.) Cert	1.05		760	17.6		149	32.7	259	26.2	13.3					990	46.6	98.8	11.0	39.4	7.18	6.28	0.97	5.88

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 214 Meas																							
OREAS 214 Cert																							
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
130220 Orig																							
130220 Dup																							
130224 Orig																							
130224 Dup																							
495766 Orig	0.15	0.2	135	15.7	0.5	0.5	15.7	29	2.6	1.79	< 0.1	1	0.3	< 0.1	16	2.9	8.1	1.3	7.0	2.1	2.7	0.4	3.0
495766 Dup	0.14	< 0.1	130	15.0	< 0.1	1.0	15.2	21	0.2	0.40	< 0.1	< 1	< 0.1	< 0.1	16	2.8	8.0	1.2	6.6	2.2	2.6	0.4	3.0
Method Blank	< 0.02	< 0.1	0.4	0.1	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.06	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.02	< 0.1	0.8	0.1	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.06	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	< 0.1	1.0	0.1	< 0.1	< 0.2	< 0.1	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	< 0.1	0.8	< 0.1	< 0.1	< 0.2	< 0.1	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	< 0.1	0.8	0.1	< 0.1	< 0.2	< 0.1	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	< 0.1	9.6	< 0.1	< 0.1	< 0.2	< 0.1	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	< 0.1	0.3	0.1	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	< 0.1	< 0.2	0.1	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.06	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.001	0.05	0.5	0.1	0.1	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
GXR-1 Meas	1140		0.4	2.2	0.3	< 0.1	326	164		0.42	801	2.5	38.0	
GXR-1 Cert	1110		0.430	1.90	0.280	0.175	275	164		0.390	730	2.44	34.9	
GXR-1 Meas	1150		0.4	2.4	0.3	< 0.1	318	165		0.39	773	2.6	32.6	
GXR-1 Cert	1110		0.430	1.90	0.280	0.175	275	164		0.390	730	2.44	34.9	
DH-1a Meas												> 500	2440	
DH-1a Cert												910	2629	
DH-1a Meas												> 500	2240	
DH-1a Cert												910	2629	
GXR-4 Meas	5990		0.2	1.0	0.1	0.6	210	37.5		3.19	49.0	18.5	6.0	
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20	
GXR-4 Meas	6630		0.2	1.1	0.1	0.6	211	37.0		3.13	51.1	21.8	5.7	
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20	
SDC-1 Meas	30.3		0.5	3.2		< 0.1	171	< 0.1		0.65	25.7	11.8	3.1	
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10	
SDC-1 Meas	32.3		0.5	3.3		< 0.1	172	< 0.1		0.59	24.6	11.7	2.7	
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10	
GXR-6 Meas	70.7			1.6	0.3	< 0.1	36.5	< 0.1		2.32	107	5.0	1.6	
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54	
GXR-6 Meas	73.7			1.7	0.3	< 0.1	36.5	0.1		2.07	102	5.1	1.4	
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54	
DNC-1a Meas	96.7			1.8			142				6.3			
DNC-1a Cert	100			2.0			144				6.3			
DNC-1a Meas	98.9			1.9			144				6.3			
DNC-1a Cert	100			2.0			144				6.3			
SBC-1 Meas	32.5		0.5	3.3	0.5	0.8	192	2.0		0.97	37.6	16.1	6.6	
SBC-1 Cert	31.0000		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76	
SBC-1 Meas	34.3		0.5	3.3	0.5	0.9	173	1.6		0.83	35.0	15.4	5.4	
SBC-1 Cert	31.0000		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76	
OREAS 45d (4-Acid) Meas	358			1.3	0.2	< 0.1	28.8	0.1		0.25	20.6	12.5	2.9	
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63	
OREAS 45d (4-Acid) Meas	374			1.4	0.2	< 0.1	31.0	0.1		0.25	21.7	14.6	2.6	
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63	
SdAR-M2 (U.S.G.S.) Meas	254		0.4	2.6	0.4	0.3	153	0.6			826	14.3	2.7	
SdAR-M2 (U.S.G.S.) Cert	236.0000		0.54	3.63	0.54	1.8	144	2.8			808	14.2	2.53	
SdAR-M2	261		0.4	2.8	0.4	< 0.1	142	0.2			805	14.3	2.3	

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.001	0.05	0.5	0.1	0.1	0.03
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
(U.S.G.S.) Meas														
SdAR-M2 (U.S.G.S.) Cert	236.0000		0.54	3.63	0.54	1.8	144	2.8			808	14.2	2.53	
OREAS 214 Meas														3.06
OREAS 214 Cert														3.03
OREAS 216 (Fire Assay) Meas														6.69
OREAS 216 (Fire Assay) Cert														6.66
OREAS 223 (Fire Assay) Meas														
OREAS 223 (Fire Assay) Cert														
OREAS 220 (Fire Assay) Meas														
OREAS 220 (Fire Assay) Cert														
130220 Orig														105
130220 Dup														98.8
130224 Orig														
130224 Dup														
495766 Orig	80.7	0.8	0.3	1.7	0.3	0.2	165	0.9	< 0.001	< 0.05	2.0	0.4	0.1	
495766 Dup	78.0	0.5	0.3	1.6	0.2	< 0.1	158	< 0.1	< 0.001	< 0.05	1.9	0.4	0.1	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	0.001	0.05	< 0.5	< 0.1	< 0.1	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
Method Blank														
Method Blank														< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 19-Sep-17
Invoice No.: A17-10204 (i)
Invoice Date: 24-Oct-17
Your Reference: Slate Falls

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

22 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A17-10204 (i)**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 19-Sep-17
Invoice No.: A17-10204 (i)
Invoice Date: 24-Oct-17
Your Reference: Slate Falls

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

22 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A17-10204 (i)**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
495751	< 5
495752	5
495753	< 5
495754	< 5
495755	9
495756	8
495757	7
495758	< 5
495759	< 5
495760	< 5
495761	7
495762	6
495763	< 5
495764	< 5
495765	< 5
495766	6

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 220 (Fire Assay) Meas	857
OREAS 220 (Fire Assay) Cert	828
OREAS 222(FIRE ASSAY) Meas	1200
OREAS 222(FIRE ASSAY) Cert	1220
495763 Orig	< 5
495763 Dup	< 5
Method Blank	< 5
Method Blank	< 5

Appendix IV: Map 1, Sample Location With Assays, 1:5000

-91.58 °

-91.56 °

-91.54 °

-91.52 °

51.98 °

51.96 °

Magnetic declination: 2° 23.40' West

TRUE

MAGNETIC

N

SANDERSON ZONE

Carpenter Zone

L1 Zone

L Loon Zone

L15 Zone

Fly Occurrence

Corner Occurn

Sample 23055

Sample 23(

PATH VEIN

TRAIL VEIN

495756 8

130220 102,000

495755 9

130,223 14

495760 2.5

495759 2.5

130222 64

495754 2.5

130219 7

495753 2.5

130221 64

495758 2.5

495757 7

495752 5

495751 2.5

495762 6

495761 7

Hydro Line

Hydro Line

Bamaji

Lake

Sample Site

GoldOn Sample Location

457235 45

sample # Au assay (ppm)

Note: 2.5 indicates below detection limits

MDI_2017_01_03 Legend

MNDM Mineral Showing

September 12_Traverse

Line

September 13_Traverse

Line

September 14_Traverse

Line

September 15_Traverse

Line

GoldON

Slate Falls Property

SAMPLE LOCATION
& GOLD ASSAYS

Map 1

Date: 10/26/2018

Author: pgeo_tims

Office:

Drawing:

Scale: 1:5000

Projection: Custom Projection

0 75 150 300

metres