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Report of Stripping on the Mote Aggregate Property 2019

Garrow Township, Sudbury Mining Division



Prepared by:
M. Gaudreau,
2020-04-16

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MOTE AGGREGATE PROPERTY

INTRODUCTION

On July 4th, 2019, M. Gaudreau travelled to North Bay where he and D. Fudge continued by truck to the Mote Aggregate Property (Property). The intent of work described in this report is the examination, sampling and mapping of four (4) recently stripped areas. The stripping commenced on June 10th, 2019 and was completed on June 24th, 2019. Excavator floated off site on July 15, 2019. The stripping program intent was to further evaluate the property potential as an aggregate source. The predominant rock type at all four stripped areas is a metamorphosed to lower amphibolite facies quartz-muscovite gneiss with accessory minerals of minor tourmaline crystals and variable thickness mica rich layers of muscovite to biotite. The foliation includes random boudin quartz lenses which may contain minor and disseminated hematite within and along the bedding in the strike direction of the beds. The micaceous quartzites vary in both colour and mica content, the most distinct, being an olive-green or pink colour. The colours are produced by a combination of variable micaceous minerals with iron-rich impurities (hematite) in the quartz and feldspar. The stripping program was successful in the ongoing evaluation process. Permit PL-000024.

LOCATION & ACCESS

The Property is accessed by paved road along highway #63 in a northeasterly direction from North Bay to a point 13 km past the intersection with Highway #533. Turn left on McConnell Lake access road and continue northwest to coordinate NAD83, Zone 17 633122E, 5175160N, turn west onto forest road and travel 4 km to stripped area at 629511E and 5174243N.

PROPERTY TENURE

SUDBURY Mining Division – Gary Mote and Glen Joseph Mote, 2019 Property claims

Township	Cell Claim Number	Recording Date	Due Date	Bdy. Cell	Percent	Work Required
GARROW	127058	2018-04-10	2019-10-14	N	100	\$200
GARROW	127059	2018-04-10	2019-10-14	N	100	\$200
GARROW	323629	2018-04-10	2019-10-14	N	100	\$200
GARROW	171641	2018-04-10	2019-10-14	N	100	\$400
GARROW	229057	2018-04-10	2019-09-28	N	100	\$400
GARROW	221088	2018-04-10	2019-09-28	N	100	\$200
GARROW	276297	2018-04-10	2019-09-28	N	100	\$400
GARROW	288341	2018-04-10	2019-09-28	N	100	\$400
GARROW	307373	2018-04-10	2019-09-08	Y	100	\$200
GARROW	127774	2018-04-10	2019-09-28	Y	100	\$200
GARROW	175150	2018-04-10	2019-09-28	Y	100	\$200

GARROW	287138	2018-04-10	2019-09-08	Y	50/50	\$200
GARROW	127345	2018-04-10	2019-09-08	Y	50/50	\$200
GARROW	229056	2018-04-10	2019-09-28	Y	50/50	\$200
GARROW	295271	2018-04-10	2019-09-08	N	100	\$400
GARROW	324551	2018-04-10	2019-09-08	N	100	\$400
GARROW	335507	2018-04-10	2019-09-08	N	100	\$400
GARROW	173993	2018-04-10	2019-09-08	N	100	\$400
GARROW	155842	2018-04-10	2019-09-08	Y	50	\$200
GARROW	104725	2018-04-10	2019-09-08	Y	50	\$200

Legacy claims include 4226738, 4226737 and 4244269.



Figure 1: Mote Aggregate Property - Ontario Key Location Map

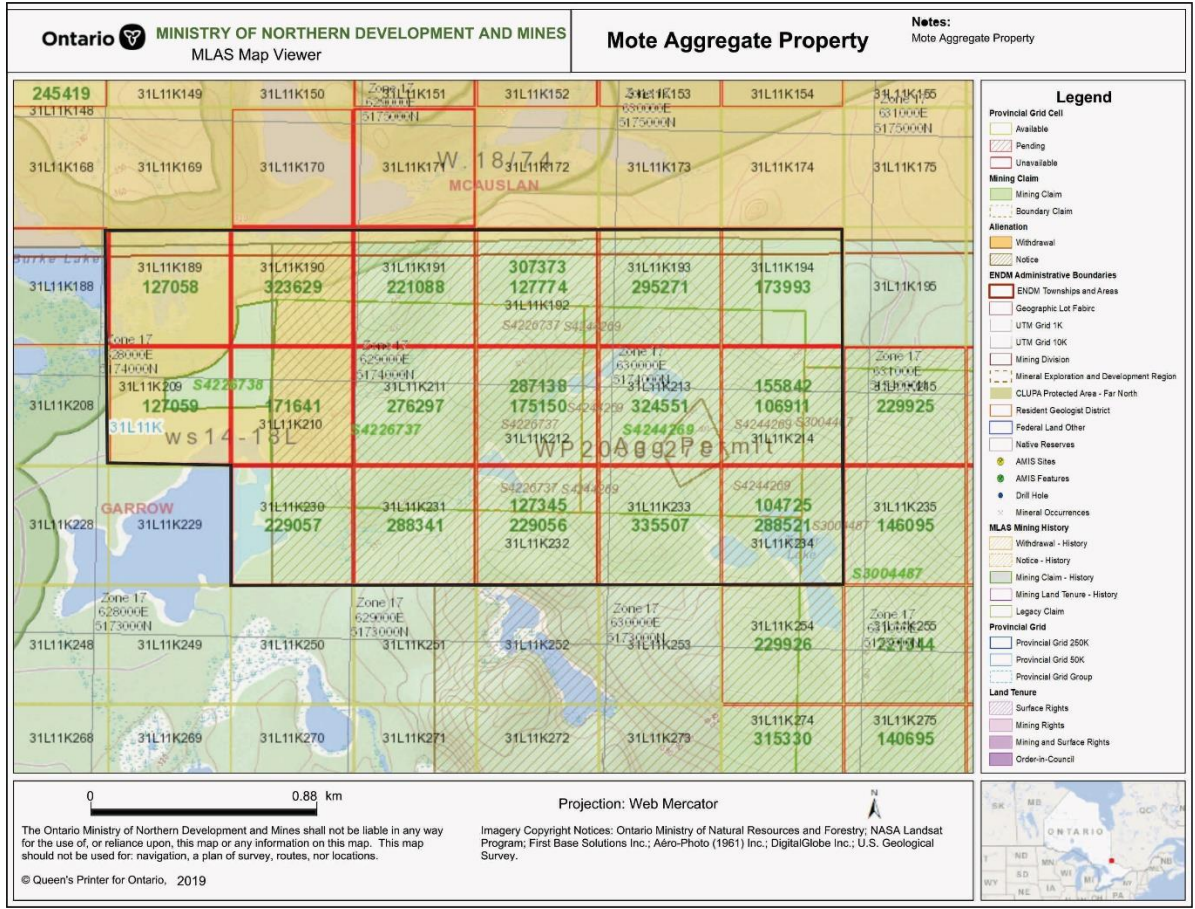


Figure 2: Mote Aggregate Property Claim Map 2018 -2019

PREVIOUS WORK

The general area has been the subject of intermittent exploration focused on development of decorative stone since the early 1970's. Most local work has been focused on exploration and production from McLaren's Bay Mica and Callander Industries located 2km to the North West along the strike.

The legacy claims were staked for G. Mote and recorded between September 2007 and October 2008.

G. Mote completed a mechanical stripping program on the property in the summer of 2009 on claim 4226738 to assess suitability of the bedrock for decorative stone. Report of Work S4226738 was filed with the Assessment Office of the Ministry of Northern Development Mines and Forestry. The Report of Work recommended a bulk sampling program. Mechanical Stripping was completed under the Aggregate Act.

Fudge & Associates completed a bulk sample and filed report 20009881, dated September 2011, the work was completed on claim 4226738.

Mote completed a mechanical stripping program on the larger property encompassing the western most claims in the summer of 2012 to assess suitability of bedrock for decorative stone.

Fudge & Associates completed claim line refurbishment on unpatented claims 4226737 and 4244269 in April 2017.

GEOLOGY

Regional Geology

O.G.S. Map 2361 shows mining Claim S 4226738 to be underlain by quartzofeldspathic gneiss. An unpublished report in 1991 by E. Bassa, Staff Geologist with the Ministry of Northern Development and Mines, Titled North Bay - Thorne Building Stone Inventory described the area as: "The rocks metamorphosed to a lower amphibolite facies and contain appreciable amounts of mica. In places mica rich bands impart a strong somewhat variable foliation in the rock. This foliation commonly acts as a plane of weakness for splitting the stone. Grain size within these rocks' ranges from microscopic flakes to larger 0.8 cm flakes adjacent to crosscutting quartz veins. Other minerals include common subhedral quartz and feldspar grains that range in size from 0.1 cm to 0.4 cm. micaceous quartzite varies both in colour and mica content. Quartz veins occur in abundance and commonly contain coarse specular hematite. These rocks have been identified as middle Precambrian (Grenville) muscovite and quartzose gneisses derived from orthoquartzites and sub-arkose and aluminous clay stones..."

Other minerals observed include biotite, feldspar and minor amounts of hematite. The stone is characterized by a distinctive olive green colour. Quality determining properties include; colour, abundance of mica, grain size, uniformity and joint spacing.

General Geology of the Stripped Areas

In general, outcrop exposed in the four (4) stripped areas displayed typical banding although less pronounced than that found in the McLaren Bay Quarry some 2 km north west. The green muscovite and biotite bands impart a variable foliation in the rock. Where observed, quartz veins display rolled or boudinized structure to form irregular "clots" up to 10 cm in length. Quartz "clotting" is abundant in places and carries minor amounts of hematite. Where well developed foliation occurs, it acts as a plane of weakness for splitting the stone and where absent or less evident, broken rock displays an irregular fracture pattern. The stone is characterized by a distinctive olive green colour or satin

black within the biotite rich bands. Quality determining properties include colour, abundance of mica, grain size, uniformity and joint spacing.



Picture: Example of grey and green banding between metamorphosed bedded orthoquartzite from hematite and muscovite mica at Stripped Area 2.



Picture: Example of boudin textured quartz vein at Stripped Area 2.

DESCRIPTION OF STRIPPED AREAS

Stripped Area 1 - June 17, 2019

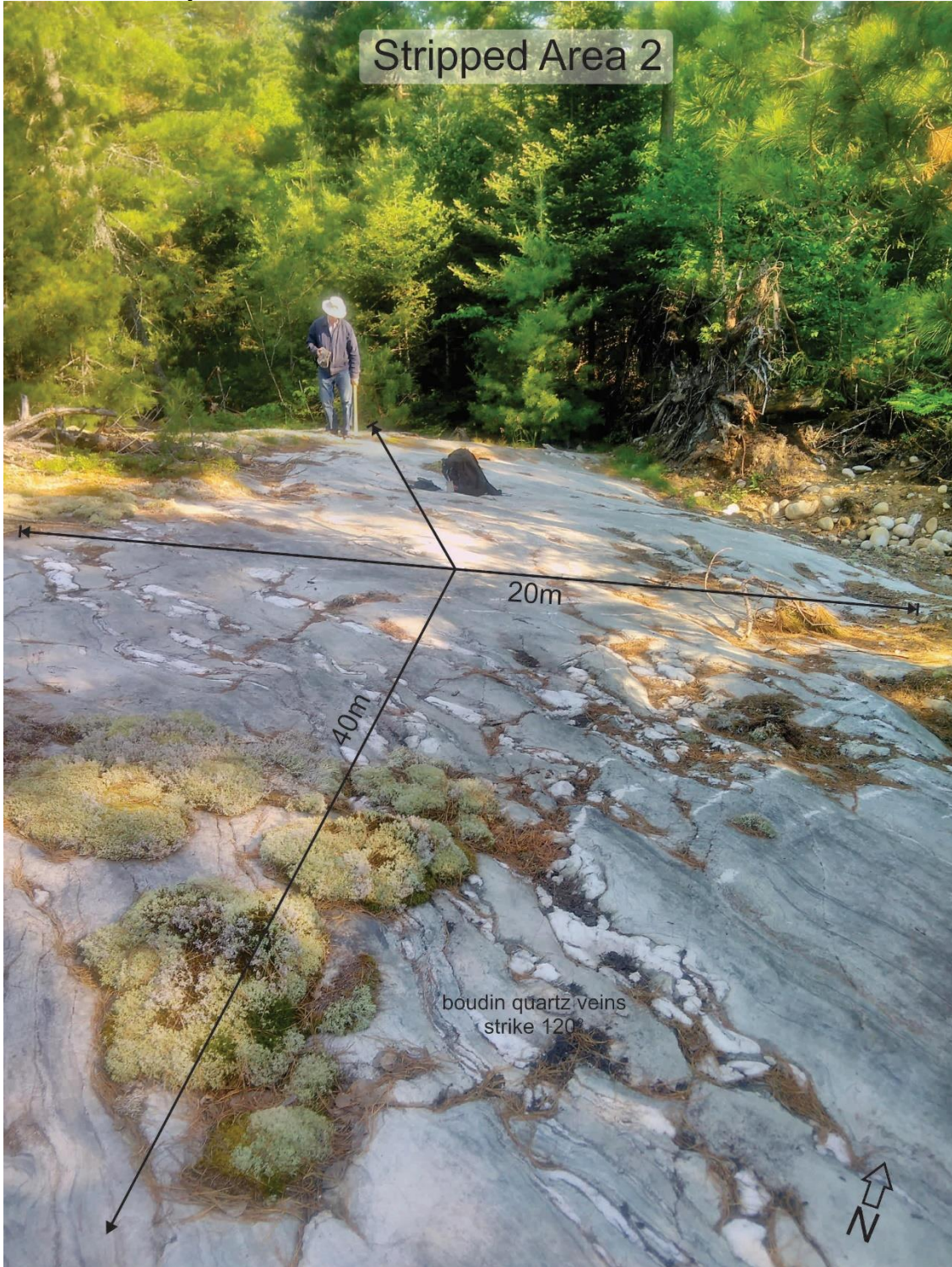
Metamorphosed orthoquartzite with boudinage quartz veins, very micaceous, hematite between bedding (85° - 90° dip south). The stripped area is approximately 25 meters in length and 5 - 10 meters in width. The stripping has taken advantage of the natural slope face and is beside the existing forest access road. Tourmaline crystals were found in one quartz vein in the central part of the stripping and only found in one location. Aggregate samples GARROW-2019-01 and GARROW-2019-02 were taken randomly across the slope face and bed. Some red hematite staining occurs only spotty and occasionally. No grains of any size larger than 4 mm were observed in the sample material.



Stripped Area 2 – June 24, 2019

Metamorphosed orthoquartzite with boudinage quartz veins, very micaceous, hematite between bedding (85° - 90° dip south) striking approximately 120° . The stripped area is approximately 40 meters in length and up to 20 meters in width. The stripping has taken advantage of the natural "plateau" area and is a short distance to the forest access road. A sample GARROW-2019-03 was taken at

the north end of the stripped area. Graphically meandering metamorphosed bedding with a tinge of green and light to dark grey bands throughout. In the places on broken faces the micaceous nature of the rock emits a sparkle reflection. No grains of any size larger than 4 mm were observed in the sample. Boudinage quartz veins stand out dramatically which have randomly infilled between bed layers.





Picture taken facing southward at the entrance to stripped area. The trees at all sites are a mix of coniferous and deciduous, predominantly pines of varying types.

Stripped Area 3 - June 14, 2019

Stripped Area 3 and Stripped Area 4 were completed on the same day. The exposed rock is best described as a metamorphosed orthoquartzite with boudinage quartz veins. This site has some minor bedding differences. Although still very micaceous with green muscovite and hematite between bedding (85° - 90° dip south) there is a predominant and "clean" with of approximately 15 meters that are barren of quartz veins or other accumulated oddities. Interesting that the quartz crystals within the matrix are stretched although there appears to less foliation. Then on the west side in contact with centimeter thick beds of very micaceous (>80%) highly altered muscovite mica.

The stripped area is approximately 40 meters in length and 20 meters in width. The stripping has taken advantage of the natural slope face and is beside the existing forest access road. Tourmaline crystals were found in one quartz vein in the central part of the stripping and only found in one location. An aggregate sample GARROW-2019-04 was taken randomly across the slope face. Some red hematite staining occurs only spotty and occasionally. No grains of any size larger than 4 mm were observed in the samples.



Stripped Area 3, looking south with several broken pieces for further testing.



Photo looking northward from Stripped Area 3. Note the 0.5 meter sized rock pile of material pulled back and piled for additional testing at a later date.

Stripped Area 4 - June 14, 2019

Stripped Area 4 is situated north, across the road from Stripped Area 3. Both areas were stripped on the same day. The rock is best described as a metamorphosed orthoquartzite with boudinage quartz veins, very micaceous, hematite between bedding (85°-90° dip south). The stripped area is approximately 22 meters in length and 5 meter average width. The road to the stripping is a short distance to the existing forest access road. One-centimeter pink feldspar crystals were found in one quartz vein at the north end of the stripping and at only one location. An aggregate sample GARROW-2019-05 was taken randomly across the north face. Boudin quartz veins are prominent as well as much more common and red hematite staining occurs in many locations intermixed with very micaceous beds.

This area appears to have a much more mica variation but no “green” and more commonly biotite and much less hematite. Of all the sites this area appears to be more chaotic in nature, meaning the bedding is not competent in nature due to the high mica content. Foliation of the bedding has a much more passive look as well. A cut sample at this location would most likely fail numerous test that require a competent nature.



Photo of Stripped Area 4, looking north. The dimensions of the stripping were measured and placed on the photo for easy identification.

SAMPLES

5 samples were collected from Stripped Area 1 through Stripped Area 4. The samples were delivered to AGAT laboratories in Sudbury for multi-element analysis, Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish.

Stripped Area 1 - Samples GARROW-2019-01 and GARROW-2019-02

Stripped Area 2 - Sample GARROW-2019-03

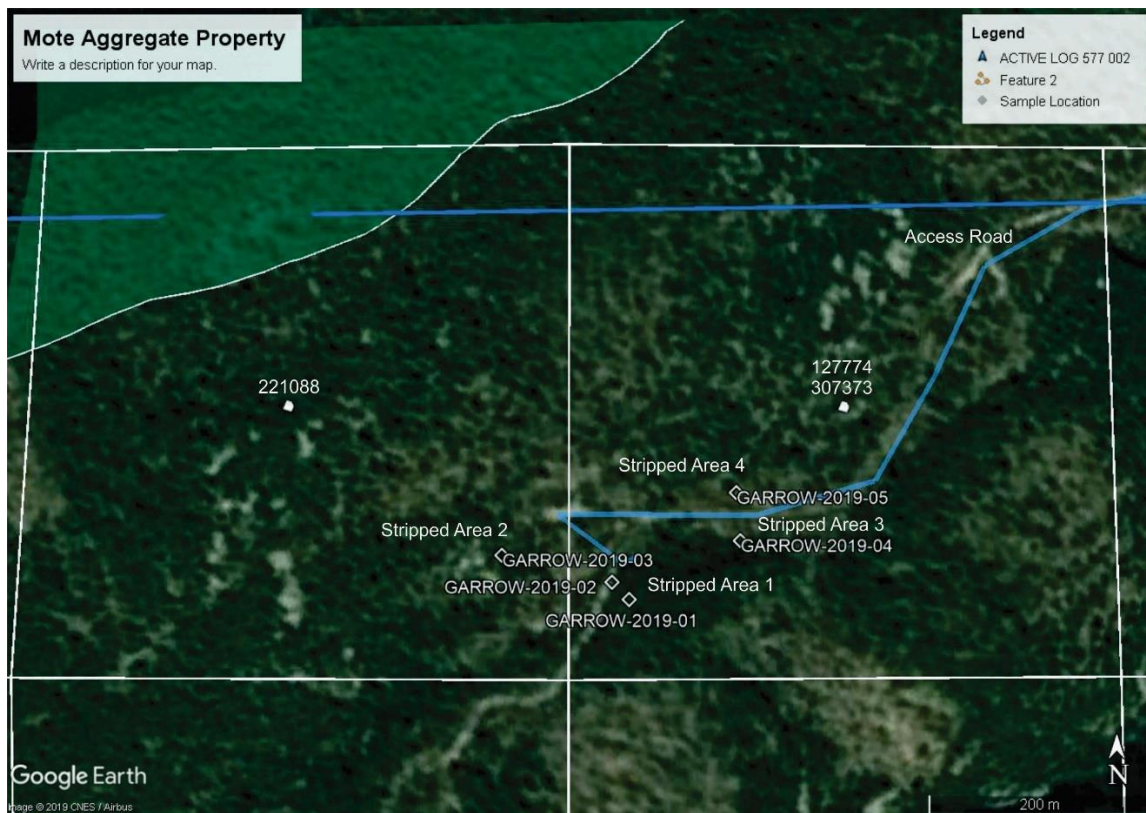
Stripped Area 3 - Sample GARROW-2019-04

Stripped Area 4 - Sample GARROW-2019-05

See attached assay certificate.

Map Point	Easting NAD 83 UTM Zone 17	Northing NAD 83 UTM Zone 17	Sample #	Rock Type
1	629517	5174214	GARROW-2019-01	Orthoquartzite
2	629502	5174228	GARROW-2019-02	Orthoquartzite
3	629406	5174248	GARROW-2019-03	Orthoquartzite
4	629612	5174266	GARROW-2019-04	Orthoquartzite
5	629608	5174307	GARROW-2019-05	Orthoquartzite

July 4, 2019 Google Earth Image of track log to stripped areas and sample locations.



Google Earth – Track, sample, and stripped locations on claims 281359, 277394 and 143338.

Sample Descriptions & Analytical Results

GARROW-2019-01 Photo below taken at NAD83 Zone 17 629517E, 5174214N.
Rock Description: Metamorphosed micaceous orthoquartzite, very micaceous on bedding planed, grey hematite between bedding, fine grained, non-magnetic.



GARROW-2019-02 Photo below taken at NAD83 Zone 17 629502E, 5174228N.
Rock Description: Metamorphosed micaceous orthoquartzite, very micaceous on bedding planed, grey hematite between bedding, fine grained, non-magnetic.



GARROW-2019-03 Photo below taken at NAD83 Zone 17 629406E, 5174248N.
Rock Description: Highly metamorphosed micaceous orthoquartzite, very micaceous on bedding planed, grey hematite between bedding, fine grained, non-magnetic.



GARROW-2019-04 Photo below taken at NAD83 Zone 17 629612E, 5174266N.
Rock Description: Metamorphosed massive orthoquartzite, some beds are very micaceous with grey hematite otherwise fine grained and non-magnetic.



GARROW-2019-05 Photo below taken at NAD83 Zone 17 629608E, 5174307N.
Rock Description: Highly metamorphosed and very micaceous orthoquartzite,
with feldspar interbeds including grey hematite between bedding planes and fine
to medium grained, non-magnetic.



Photos



Photo of mobilizing LS-4300 Linkbelt excavator on site June 10, 2019 and off site on July 15, 2019.



Photo of LS-4300 Linkbelt excavator on site.

①

Equipment used - LS - "4300" Linkbelt excavator
Weight 40 tons, width 11 ft,
2 yard bucket
Delivered to site June 10/2019

June 12/2019 - Opened up existing trail the was
accessable by 4-wheeler only

Excavator is 11 ft wide.

Overgrown with 2" to 4" White Birch + Aspen
some smaller Red + White Pine

Moved most trees + stumps with LS4300

Glen with chain saw limbed some small
pine + cleaned up Birch + ~~White~~ Aspen

Glen 9 hrs. @ \$23.00
Gary 9 hrs @ 25.00
Excavator 4 hrs @

June 13/2019

- Finish opening trail in
- Small outcrop showing - covered with moss
- Dug down the sides moving small pine and birch trees
- Removed up to 2' of overburden to view outcrop
- Some structure as showing on outcrop.

Glen - 8 hrs. @ 23.⁰⁰
Gary - 8 hrs. @ 25.⁰⁰
Excavator - 13 hrs. @

June 14/2019

tripped area 3

- Opened more trail in
- Deep drop off beside trail
- Dug fill from sides to fill in and provide trail to rock face
- Lot of loose rock from centuries of freeze + thaw
- Level off and cleaned moss and trees off the bed rock
- Colour + structure looked good

Glen - 9 hrs. @ 23.⁰⁰
Gary - 9 hrs. @ 25.⁰⁰
Excavator - 5 @

③

June 17/2019
stripped area 1

- cleared trail on to next outcrop
- small amount of overburden - some small trees
- outcrop has similar type stone as other outcrops

Glen - 8 hr. @ \$23.00
 Gary - 8 hr. @ 25.00
 Excavator - 3 hr. @ — ?

June 24/2019
stripped area 2

- cleared trail to stripped area 2
- small pine regrowth ~~and~~
- large ~~outcrop~~ outcrop - moss covered (+ smaller trees)
- dug down the access side of outcrop to determine amount of overburden in area

Glen - 8 hrs @ \$23.00
 Gary - 8 hrs @ 25.00
 Excavator - 4 hr. @ — ?

Pick-up - 1 trips @ 160 km round trip

CONCLUSIONS & RECOMMENDATIONS

Exposed rock show significantly less parallel foliation than rock from McLaren's Bay Mica and may be less suitable for splitting. Dependent on jointing and fracture patterns the more massive rock may be suitable for quarrying as dimension stone blocks. The abundance of green mica and black biotite both which "sparkle" when exposed to sunlight should make it an attractive dimension or landscape product.

Reference by: Fudge & Associates

REFERENCES

1. An unpublished report in 1991 by E. Bassa, Staff Geologist with the Ministry of Northern Development and Mines, Titled North Bay - Thorne Building Stone Inventory
2. Google Earth Pro 7.3.2.5776

APPENDIX- ASSAY CERTIFICATES

CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Marc Gaudreau

PROJECT:

AGAT WORK ORDER: 19T492426

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 25, 2019

PAGES (INCLUDING COVER): 15

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 19T492426

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Marc Gaudreau

Sieving - % Passing (Crushing)

DATE SAMPLED: Jul 14, 2019

DATE RECEIVED: Jul 12, 2019

DATE REPORTED: Jul 25, 2019

SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID)	RDL:
GARROW-2019-01 (348377)	75.32

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 19T492426

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Marc Gaudreau

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jul 14, 2019

DATE RECEIVED: Jul 12, 2019

DATE REPORTED: Jul 25, 2019

SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID)	RDL:
GARROW-2019-01 (348377)	87.35

Comments: RDL - Reported Detection Limit
Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Marc Gaudreau

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	348377	< 1	< 1	0.0%	348388	< 1	< 1	0.0%				
Al	348377	1.96	1.97	0.5%	348388	8.00	7.71	3.7%				
As	348377	< 5	< 5	0.0%	348388	< 5	< 5	0.0%				
B	348377	< 20	< 20	0.0%	348388	< 20	< 20	0.0%				
Ba	348377	153	150	2.0%	348388	302	302	0.0%				
Be	348377	< 5	< 5	0.0%	348388	< 5	< 5	0.0%				
Bi	348377	< 0.1	< 0.1	0.0%	348388	< 0.1	< 0.1	0.0%				
Ca	348377	< 0.05	< 0.05	0.0%	348388	5.62	5.27	6.4%				
Cd	348377	< 0.2	< 0.2	0.0%	348388	< 0.2	< 0.2	0.0%				
Ce	348377	17.6	19.0	7.7%	348388	61.2	58.9	3.8%				
Co	348377	1.1	1.1	0.0%	348388	41.7	41.5	0.5%				
Cr	348377	0.031	0.0320	1.6%	348388	< 0.005	< 0.005	0.0%				
Cs	348377	0.1	0.1	0.0%	348388	1.0	0.93	3.2%				
Cu	348377	12	9	28.6%	348388	19	19	0.0%				
Dy	348377	1.16	1.14	1.7%	348388	6.84	6.77	1.0%				
Er	348377	0.78	0.724	7.3%	348388	3.69	3.66	0.8%				
Eu	348377	0.27	0.30	10.5%	348388	2.64	2.60	1.5%				
Fe	348377	0.67	0.686	2.4%	348388	11.0	10.3	6.6%				
Ga	348377	3.80	3.87	1.8%	348388	24.8	24.5	1.2%				
Gd	348377	1.26	1.30	3.1%	348388	8.48	8.34	1.7%				
Ge	348377	< 1	< 1	0.0%	348388	2	2	0.0%				
Hf	348377	2	2	0.0%	348388	6	6	0.0%				
Ho	348377	0.25	0.245	2.4%	348388	1.32	1.30	1.5%				
In	348377	< 0.2	< 0.2	0.0%	348388	< 0.2	< 0.2	0.0%				
K	348377	0.55	0.55	0.0%	348388	0.83	0.815	1.8%				
La	348377	9.0	9.8	8.5%	348388	27.6	26.4	4.4%				
Li	348377	< 10	< 10	0.0%	348388	16	16	0.0%				
Lu	348377	0.12	0.112	6.9%	348388	0.47	0.46	2.2%				
Mg	348377	0.04	0.04	0.0%	348388	2.01	2.07	2.9%				
Mn	348377	40	39	2.5%	348388	1670	1610	3.7%				
Mo	348377	14	15	6.9%	348388	3	3	0.0%				



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Marc Gaudreau

Nb	348377	4	4	0.0%	348388	22	21	4.7%									
Nd	348377	8.0	8.60	7.0%	348388	36.5	35.3	3.3%									
Ni	348377	6	7	15.4%	348388	19	20	5.1%									
P	348377	< 0.01	< 0.01	0.0%	348388	0.24	0.230	3.8%									
Pb	348377	< 5	< 5	0.0%	348388	< 5	< 5	0.0%									
Pr	348377	2.11	2.29	8.2%	348388	8.10	7.80	3.8%									
Rb	348377	12.2	12.4	1.6%	348388	34.1	32.9	3.6%									
S	348377	< 0.01	< 0.01	0.0%	348388	0.13	0.13	0.0%									
Sb	348377	0.1	0.1	0.0%	348388	0.2	0.2	0.0%									
Sc	348377	< 5	< 5	0.0%	348388	25	24	4.1%									
Si	348377	42.7	42.8	0.2%	348388	21.9	20.5	6.6%									
Sm	348377	1.4	1.49	4.8%	348388	8.2	8.1	1.2%									
Sn	348377	1	1	0.0%	348388	2	3										
Sr	348377	32.1	31.8	0.9%	348388	313	294	6.3%									
Ta	348377	< 0.5	< 0.5	0.0%	348388	1.4	1.4	0.0%									
Tb	348377	0.19	0.19	0.0%	348388	1.23	1.20	2.5%									
Th	348377	3.5	3.7	5.6%	348388	4.5	4.4	2.2%									
Ti	348377	0.09	0.09	0.0%	348388	1.86	1.73	7.2%									
Tl	348377	< 0.5	< 0.5	0.0%	348388	< 0.5	< 0.5	0.0%									
Tm	348377	0.12	0.109	7.1%	348388	0.50	0.484	3.7%									
U	348377	0.78	0.799	2.4%	348388	1.29	1.28	0.8%									
V	348377	12	12	0.0%	348388	217	219	0.9%									
W	348377	< 1	< 1	0.0%	348388	< 1	< 1	0.0%									
Y	348377	7.1	6.83	3.9%	348388	34.9	33.8	3.2%									
Yb	348377	0.8	0.74	6.5%	348388	3.2	3.13	1.9%									
Zn	348377	< 5	< 5	0.0%	348388	103	99	4.0%									
Zr	348377	66.7	73.8	10.1%	348388	245	245	0.0%									



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Marc Gaudreau

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.WMG-1a)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Ag					3.03	3.14	103%	90% - 110%								
Al	10.95	10.88	99%	90% - 110%	4.75	4.71	99%	90% - 110%								
As					5.99	6.54	109%	90% - 110%								
Ba	340	336	99%	90% - 110%	216	218	101%	90% - 110%								
Be	2.6	2.9	110%	90% - 110%												
Ca	5.72	5.65	99%	90% - 110%	10.06	9.81	97%	90% - 110%								
Ce	122	114	94%	90% - 110%												
Co	2.8	2.5	89%	90% - 110%	191	209	110%	90% - 110%								
Cr					0.0804	0.078	97%	90% - 110%								
Cs	1.5	1.4	96%	90% - 110%												
Cu	7	8	115%	90% - 110%	7120	7245	102%	90% - 110%								
Dy	18.2	18	99%	90% - 110%	2.291	2.288	100%	90% - 110%								
Er	14.2	14.2	100%	90% - 110%												
Eu	2.0	1.84	92%	90% - 110%												
Fe	4.34	4.23	97%	90% - 110%	12.71	12.42	98%	90% - 110%								
Ga	35	35	99%	90% - 110%												
Gd	14	14	102%	90% - 110%												
Hf	10.6	11	104%	90% - 110%												
Ho	4.3	4.2	97%	90% - 110%												
K	1.37	1.36	99%	90% - 110%	0.1021	0.1033	101%	90% - 110%								
La	58	54	92%	90% - 110%	8.47	7.88	93%	90% - 110%								
Li	37	38	102%	90% - 110%												
Lu	2.1	2	97%	90% - 110%												
Mg	0.325	0.299	92%	90% - 110%	7.41	7.24	98%	90% - 110%								
Mn	836	781	93%	90% - 110%												
Mo					2.49	2.32	93%	90% - 110%								
Nb	13	13	100%	90% - 110%												
Nd	57	55	97%	90% - 110%	9.41	9.34	99%	90% - 110%								
Ni	9	8	89%	90% - 110%	2480	2491	100%	90% - 110%								
P					0.0731	0.0794	109%	90% - 110%								
Pb	10	10	104%	90% - 110%												



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Marc Gaudreau

Pr	15.0	13.9	93%	90% - 110%													
Rb	55	52	95%	90% - 110%													
S					3.43	3.39	99%	90% - 110%									
Sc					21.33	21.56	101%	90% - 110%									
Si	23.3	23.1	99%	90% - 110%	18.27	17.65	97%	90% - 110%									
Sm	12.7	12.2	96%	90% - 110%	2.211	2.227	101%	90% - 110%									
Sn	7.1	7.8	110%	90% - 110%													
Sr	1191	1231	103%	90% - 110%	39.0	35.9	92%	90% - 110%									
Ta	0.9	0.8	88%	90% - 110%													
Tb	2.6	2.6	101%	90% - 110%													
Th	1.4	1.3	90%	90% - 110%	1.07	1.15	108%	90% - 110%									
Ti	0.172	0.164	95%	90% - 110%	0.419	0.402	96%	90% - 110%									
Tm	2.3	2.2	94%	90% - 110%													
U	0.8	0.8	104%	90% - 110%													
V	8	7	92%	90% - 110%	158	169	107%	90% - 110%									
Y	119	115	97%	90% - 110%	12.67	12.86	102%	90% - 110%									
Yb	14.8	14.5	98%	90% - 110%													
Zn	93	87	93%	90% - 110%	112	108	97%	90% - 110%									
Zr	517	563	109%	90% - 110%													

Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 19T492426

PROJECT:

ATTENTION TO: Marc Gaudreau

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12049		ICP-MS
Al	MIN-200-12001/MIN-200-12049		ICP/OES
As	MIN-200-12049		ICP-MS
B	MIN-200-12001/MIN-200-12049		ICP/OES
Ba	MIN-200-12001/MIN-200-12049		ICP/OES
Be	MIN-200-12001/MIN-200-12049		ICP/OES
Bi	MIN-200-12049		ICP-MS
Ca	MIN-200-12001/MIN-200-12049		ICP/OES
Cd	MIN-200-12049		ICP-MS
Ce	MIN-200-12049		ICP-MS
Co	MIN-200-12049		ICP-MS
Cr	MIN-200-12001/MIN-200-12049		ICP/OES
Cs	MIN-200-12049		ICP-MS
Cu	MIN-200-12001/MIN-200-12049		ICP/OES
Dy	MIN-200-12049		ICP-MS
Er	MIN-200-12049		ICP-MS
Eu	MIN-200-12049		ICP-MS
Fe	MIN-200-12001/MIN-200-12049		ICP/OES
Ga	MIN-200-12049		ICP-MS
Gd	MIN-200-12049		ICP-MS
Ge	MIN-200-12049		ICP-MS
Hf	MIN-200-12049		ICP-MS
Ho	MIN-200-12049		ICP-MS
In	MIN-200-12049		ICP-MS
K	MIN-200-12001/MIN-200-12049		ICP/OES
La	MIN-200-12049		ICP-MS
Li	MIN-200-12001/MIN-200-12049		ICP/OES
Lu	MIN-200-12049		ICP-MS
Mg	MIN-200-12001/MIN-200-12049		ICP/OES
Mn	MIN-200-12001/MIN-200-12049		ICP/OES
Mo	MIN-200-12049		ICP-MS
Nb	MIN-200-12049		ICP-MS
Nd	MIN-200-12049		ICP-MS
Ni	MIN-200-12001/MIN-200-12049		ICP/OES
P	MIN-200-12001/MIN-200-12049		ICP/OES
Pb	MIN-200-12049		ICP-MS
Pr	MIN-200-12049		ICP-MS



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 19T492426

PROJECT:

ATTENTION TO: Marc Gaudreau

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Rb	MIN-200-12049		ICP-MS
S	MIN-200-12001/MIN-200-12049		ICP/OES
Sb	MIN-200-12049		ICP-MS
Sc	MIN-200-12001/MIN-200-12049		ICP/OES
Si	MIN-200-12001/MIN-200-12049		ICP/OES
Sm	MIN-200-12049		ICP-MS
Sn	MIN-200-12049		ICP-MS
Sr	MIN-200-12001/MIN-200-12049		ICP/OES
Ta	MIN-200-12049		ICP-MS
Tb	MIN-200-12049		ICP-MS
Th	MIN-200-12049		ICP-MS
Ti	MIN-200-12001/MIN-200-12049		ICP/OES
Tl	MIN-200-12049		ICP-MS
Tm	MIN-200-12049		ICP-MS
U	MIN-200-12049		ICP-MS
V	MIN-200-12001/MIN-200-12049		ICP/OES
W	MIN-200-12049		ICP-MS
Y	MIN-200-12049		ICP-MS
Yb	MIN-200-12049		ICP-MS
Zn	MIN-200-12001/MIN-200-12049		ICP/OES
Zr	MIN-200-12049		ICP-MS
Pass %			BALANCE

Don T. Fudge
Principal Fudge & Associates International
160 Bryan Road
North Bay, Ontario
P1C 1C2
Telephone; 705 494 0890
Fax; 705 494 0890

Don is an industrial minerals consultant providing comprehensive regulatory and technical services to both private industry and governments to meet their aggregate permitting and ongoing regulatory compliance needs as well as base and precious metals exploration services. Specializing in the field of non-metallic minerals, working with the Mining Act and the Aggregate Resources Act, Don offers innovative and cost effective programs.

Don's roles and responsibilities to clients include:

- Mineral deposit exploration and site selection;
- Development and execution of Aggregate Resources Act Permit and Licence Applications;
- Applications under Part 7 of the Ontario Mining Act.
- Mining Claims Administration
 - Assessment Reporting
 - Mining Leases
- Ongoing regulatory compliance;
 - ARA
 - Mining Act
- Public relations plans;
- Media relations;
- Monitoring new legislation which directly affects the licensing and operation of mineral extraction in the Province of Ontario;
- Compliance monitoring, and reporting for operating sites;

With over 40 years of experience in permitting and licensing and as a surficial geologist/pro prospector in the Province of Ontario Don focuses on development of regulatory compliant mining operations for his clients. He provides all-inclusive "turn-key" solutions to the aggregate, construction and mining industry.

Don's extensive industry experience in aggregate development provides a breadth of understanding necessary to complete development and/or exploration programs. These

aggregate studies are typically completed prior to the acquisition/purchase, of lands for the extraction of aggregate or for road building material requirement for highway construction. Clients are interested in understanding the quality and quantity of aggregate and with highway construction specific location as well as permitting/licensing issues. Don's studies provide an assessment of the aggregate material as well as other potential development constraints.

EDUCATION

1968 – 1971

Diploma of Business Administration- Cambrian College of Applied Arts – North Bay, Ontario

1972 Undergraduate Studies, Geology – Carleton University, Ottawa, Ontario

EXPERIENCE

1982: Present – Fudge & Associates - President

1980 – 1982: Ontario Ministry of Natural Resources

N.E Region, Mining Lands Administrator

1973 – 1979: Geophysical Engineering & Surveys Limited

Crew Chief: Area Program Manager

1971 - 1973: Department of Energy Mines and Resources, Ottawa

Research Officer

SELECTED AGGREGATE PROJECT EXPERIENCE

Aggregate Resources Act Applications / Amendments

The Provincial Standards that support the Aggregate Resources Act set out specific requirements for an aggregate permit or licence application. Don has gained extensive experience in all aspects of designing the essential application ranging from site plan design to assessment of component studies along with design and execution of media relations and public consultation plans.

Partial Project List:

Leo Alarie and Sons Limited (Aecon Mining Inc.)

- Armstrong Quarry - Category 11
- Hillsport Quarry - Category 11
- Agrium Quarry (2) - Category 11
- Montcalm Nickel Pit - Category 9

Don T Fudge
CURRICULUM VITAE

- Enid Pit - Category 9
- 12 additional sites

Ontario Ministry of Natural Resources

- Polar Bear Provincial Park Pit (2) – Category 10

Aecon Construction & Materials Ltd.

- Antrim Quarry – Category 15 Wayside Permit

Avalon Rare Metals Inc.

- Warren Township Calcium Feldspar – Category 11

Callander Industries

- Garrow - Dimension Stone – Category 11
- McAuslan Dimension Stone – Category 11



Legend

- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- ENDM Administrative Boundaries**
 - ENDM Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral Exploration and Development Region
 - CLUPA Protected Area - Far North
 - Resident Geologist District
 - Federal Land Other
 - Native Reserves
 - AMIS Sites
 - AMIS Features
 - Drill Hole
 - Mineral Occurrences
- MLAS Mining History**
 - Withdrawal - History
 - Notice - History
 - Mining Claim - History
 - Mining Land Tenure - History
 - Legacy Claim
- Provincial Grid**
 - Provincial Grid 250K
 - Provincial Grid 50K
 - Provincial Grid Group
- Land Tenure**
 - Surface Rights
 - Mining Rights
 - Mining and Surface Rights
 - Order-in-Council

0 0.08 km

Projection: Web Mercator



The Ontario Ministry of Northern Development and Mines shall not be liable in any way for the use of, or reliance upon, this map or any information on this map. This map should not be used for: navigation, a plan of survey, routes, nor locations.

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