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MOTE MCAUSLAN BULK SAMPLE PROJECT

MCAUSLAN TOWNSHIP

SUDBURY MINING DIVISION

For

GARY MOTE AND GLEN MOTE

Brian Berdusco MSc

Don Fudge

October 25, 2022

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1.0 INTRODUCTION

This report covers the logistics and results of the bulk sampling program carried out on the Mote McAuslan Bulk Sample Project in McAuslan Township, Sudbury Mining Division during the months of June and July in 2022.

The property is bounded on the west side by 4 mining leases while the remainder of the property is on Crown Land, consisting of 25 contiguous mining claims in the south-central part of McAuslan Township and the north-central part of Garrow Township registered to Gary Mote and/or Glen Mote. The work covered in this report was performed solely in McAuslan Township on mining claim 102189.

Physical work including mobilization and de-mobilization of equipment used in ground preparation for blasting was performed by Gary and Glen Mote utilizing their Link-Belt 4300 excavator. Drilling and blasting related work were contracted to BAYROC of North Bay, Ontario. Don Fudge and Brian Berdusco, Fudge and Associates, acquired the necessary bedrock material for the physical properties bulk sample analyses and whole rock analyses. An additional large sample (~500kg) was secured by Gary and Glen Mote and transported to Kafka Granite's Mosinee, WI, USA production facilities for slabbing and testing.

Data presented in this report are in UTM Zone 17 NAD83 CSRS.

2.0 PURPOSE OF WORK

The purpose of the program was to demonstrate to a potential customer that the geological rock unit orebody can produce both: (i) a uniform crushed product meeting the specifications of the end-user or (ii) large blocks for building decorative stone applications. In addition, it is imperative that geological bedrock sources are not contaminated with mineralization that will adversely affect the purpose for which the source bedrock geology is anticipated. Most of the sample will be shipped to prospective buyers to gauge market acceptance of rock. Of specific focus is the differentiation in grain size, colour, laminae, composition, and rock competency of local gneissic units which contribute to both the aesthetic appearance and durability. These units were prospected in September of 2021 and exhibit similar properties such as colour, texture and competency of comparable units mined within the Kafka Quarry to the south and west.

3.0 STATUS OF LANDS

The property consists of 23 single cell contiguous mining claims with 2 boundary claims on Crown Land in McAuslan and Garrow Townships and 4 leases as listed in **Tables 2 and 3** respectively. The Mote Property ties onto an existing quarry owned by Kafka Granite Glitter Limited and four claim cells are shared through boundary claims. Portions of the property are encumbered by the Jocko Rivers Provincial Park (Waterway Class).

Bulk sampling activities occurred on claim **102189** as listed in **Table 2** and shown in **Figure 1**.

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4.0 PROPERTY ACCESS

From the town of North Bay, Ontario at the intersection of Highway 17 and Trout Lake Road, head north along Highway 63 (Trout Lake Road) for 51.9 kilometres to McConnell Lake Rd. (**Figure 2**). Head west on McConnell Lake Rd. for 31.4 kilometres arriving at the gate to the quarry belonging to Kafka Granite Glitter Limited. The work area is located on the first forest road south of the gate, heading east for 2.5 kilometres. Access to property roads is by permission only from Kafka Granite Glitter Limited.

5.0 EXPLORATION PERMIT

Work was performed in accordance with mineral exploration permit **PR-20-000072**, issued to Gary M. Mote of Callander, Ontario with Don Fudge, Fudge & Associates as the Qualified Supervisor. This permit applies to all 25 claims listed in “Section 3.0 Status of Lands”.

6.0 DAILY LOG

DATE	TRUCK	GARY MOTE (hrs)	GLEN MOTE (hrs)	4300 EXCAVATOR (hrs)	Activity
May 18, 2022	Pickup	8	8	2	Mobilization
May 19, 2022	Pickup	8	8	5	Blast area preparation
May 20, 2022	Pickup	8	8	5	Blast area preparation
May 21, 2022	Pickup	8	0	5	Blast area preparation
May 24, 2022	Pickup	8	8	5	Blast area preparation
May 25, 2022	Pickup	8	8	5	Blast area preparation
May 28, 2022	Pickup	8	0	5	Blast area preparation
June 4, 2022	Pickup	8	0	5	Blast area preparation
June 8, 2022	Pickup	8	8	5	Blast area preparation
June 11, 2022	Pickup	5	0	2	Blast area preparation
June 18, 2022	Pickup	5	0	2	Blast area preparation
June 21, 2022	Pickup	8	8	5	Blast area preparation
July 13, 2022	Pickup	8			Drill Mobilization
July 14, 2022	Pickup	8	8	5	Drilling
July 15, 2022	Pickup	8			Drilling
July 16, 2022	Pickup	8		5	Site cleaning for blast
July 21, 2022	Pickup	8	8		Blasting
July 28, 2022	Pickup	8	8	2	De-mobilization

Table 1 DAILY LOG FOR GARY AND GLEN MOTE

On May 18, 2022 Gary Mote and Glen Mote mobilized a Link-Belt 4300 excavator to the site.

From May 19, 2022 to June 21, 2022 access to the bulk sample site was cleared from an existing bush road for a distance of approximately 70 metres. The bulk sample site was also cleared at this time.

During the period of July 13, 2022 to July 15, 2022, drilling for blasting was completed by BAYROC of North Bay.

On July 16, 2022 the bulk sample area was cleaned.

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On July 21, 2022 BAYROC loaded the holes and blasted.

On July 28, the Link-Belt 4300 excavator was demobilized.

FUDGE AND ASSOCIATES

July 27, 2022

7:15am Brian Berdusco departs Sudbury for North Bay. Sunny, 15C. Temperature 22C at site. Sunny to partly cloudy.

10:00am Brian Berdusco and Don Fudge depart North Bay for property. Highway 63 construction work and some delays were encountered in the area of McConnell Lake Rd.

10:45am Meeting with Gary Mote to get gate key necessary for property access.

11:30am Arrival at site. Initiate site inspection, geological review, site measurement, sampling of the shot rock area created from blasting. Dark gray gneiss. No mineralization encountered.

4:30pm Brian Berdusco returns to Sudbury.

CLAIM Number	CELL ID	TITLE_TYPE	Type	HOLDER	Township
102189	31L11K146	SCMC	Single Cell Mining Claim	(50) GARY M MOTE, (50) GLEN JOSEPH MOTE	McAuslan
102190	31L11K146	BCMC	Boundary Cell Mining Claim	(50) GARY M MOTE, (50) GLEN JOSEPH MOTE	McAuslan
106741	31L11K147	SCMC	Single Cell Mining Claim	(50) GARY M MOTE, (50) GLEN JOSEPH MOTE	McAuslan
117487	31L11K146	SCMC	Single Cell Mining Claim	(50) GARY M MOTE, (50) GLEN JOSEPH MOTE	McAuslan
127058	31L11K188	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	McAuslan and Garrow
127059	31L11K208	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	Garrow
127774	31L11K212	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	McAuslan and Garrow
171641	31L11K209	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	Garrow
173993	31L11K213	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	McAuslan and Garrow
174565	31L11K146	BCMC	Boundary Cell Mining Claim	(50) GARY M MOTE, (50) GLEN JOSEPH MOTE	McAuslan
175150	31L11K212	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	Garrow
221088	31L11K211	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	McAuslan and Garrow
225247	31L11K127	SCMC	Single Cell Mining Claim	(50) GARY M MOTE, (50) GLEN JOSEPH MOTE	McAuslan
229056	31L11K232	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	Garrow
245418	31L11K127	SCMC	Single Cell Mining Claim	(50) GARY M MOTE, (50) GLEN JOSEPH MOTE	McAuslan
245419	31L11K147	SCMC	Single Cell Mining Claim	(50) GARY M MOTE, (50) GLEN JOSEPH MOTE	McAuslan
276297	31L11K211	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	Garrow
295271	31L11K213	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	McAuslan and Garrow
323629	31L11K190	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	McAuslan and Garrow
324551	31L11K212	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	Garrow
335507	31L11K232	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	Garrow
673055	31L11K168	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	McAuslan
673056	31L11K149	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	McAuslan
683085	31L11K125	SCMC	Single Cell Mining Claim	(100) GARY M MOTE	McAuslan
695678	31L11K125	SCMC	Single Cell Mining Claim	(50) GARY M MOTE, (50) GLEN JOSEPH MOTE	McAuslan

TABLE 2 LIST OF MINING CLAIMS AND GRID CELL NUMBERS FOR THE MOTE MCAUSLAN PROPERTY.

Lease Number	CELL ID	TITLE_TYPE	Type	HOLDER	Township
LEA-107386	Parts of: 31L11K-105, 106, 125, 126, 145, 146, 165, 166	LEASE	Mining Lease	(100%) GARY MOTE	McAuslan
LEA-108902	Parts of: 31L11K-105, 125, 145	LEASE	Mining Lease	(100%) GARY MOTE	McAuslan
LEA-109723	Parts of: 31L11K-103, 104, 105, 122, 123, 124, 125	LEASE	Mining Lease	(100%) GARY MOTE	McAuslan
LEA-109821	Parts of: 31L11K-144, 145, 146164, 165, 166	LEASE	Mining Lease	(100%) GARY MOTE	McAuslan

TABLE 3 LIST OF MINING LEASES BELONGING TO GARY MOTE.

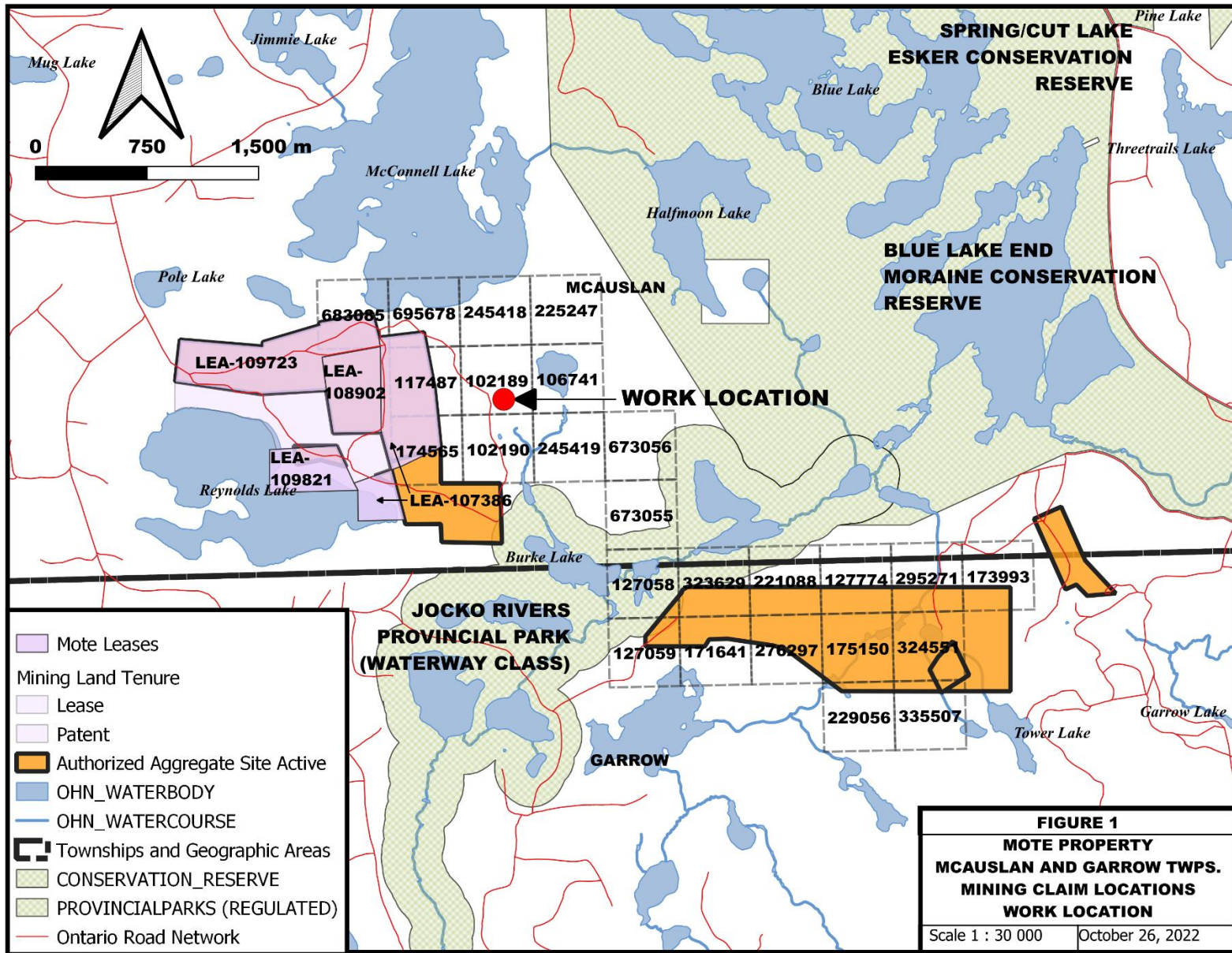


FIGURE 1 MINING CLAIMS AND LEASES LOCATIONS.



FIGURE 2 GENERAL LOCATION OF THE MOTE PROPERTY

7.0 SAMPLE DESCRIPTIONS AND LOCATIONS

One whole rock sample and one bulk sample were taken from “shot rock” blasted from bedrock. The shot rock pile was composed of an **aphanitic to fine-grained, dark gray to black gneissic unit** similar in appearance to bedrock sources for building stone on the Kafka Property east of the bulk sample site. Micaceous minerals (<0.5mm) readily reflect light off crustal faces exhibiting a glitter appearance. No sulphide mineralization was observed. The unit does have the occasional, thin (<15cm thick) discontinuous quartz veins/boudins. For the bulk sample, material was collected throughout the shot rock area. The same rock unit was also sampled for whole rock analyses with material collected at Station B-S-6. Sample locations are summarized in Table 3.

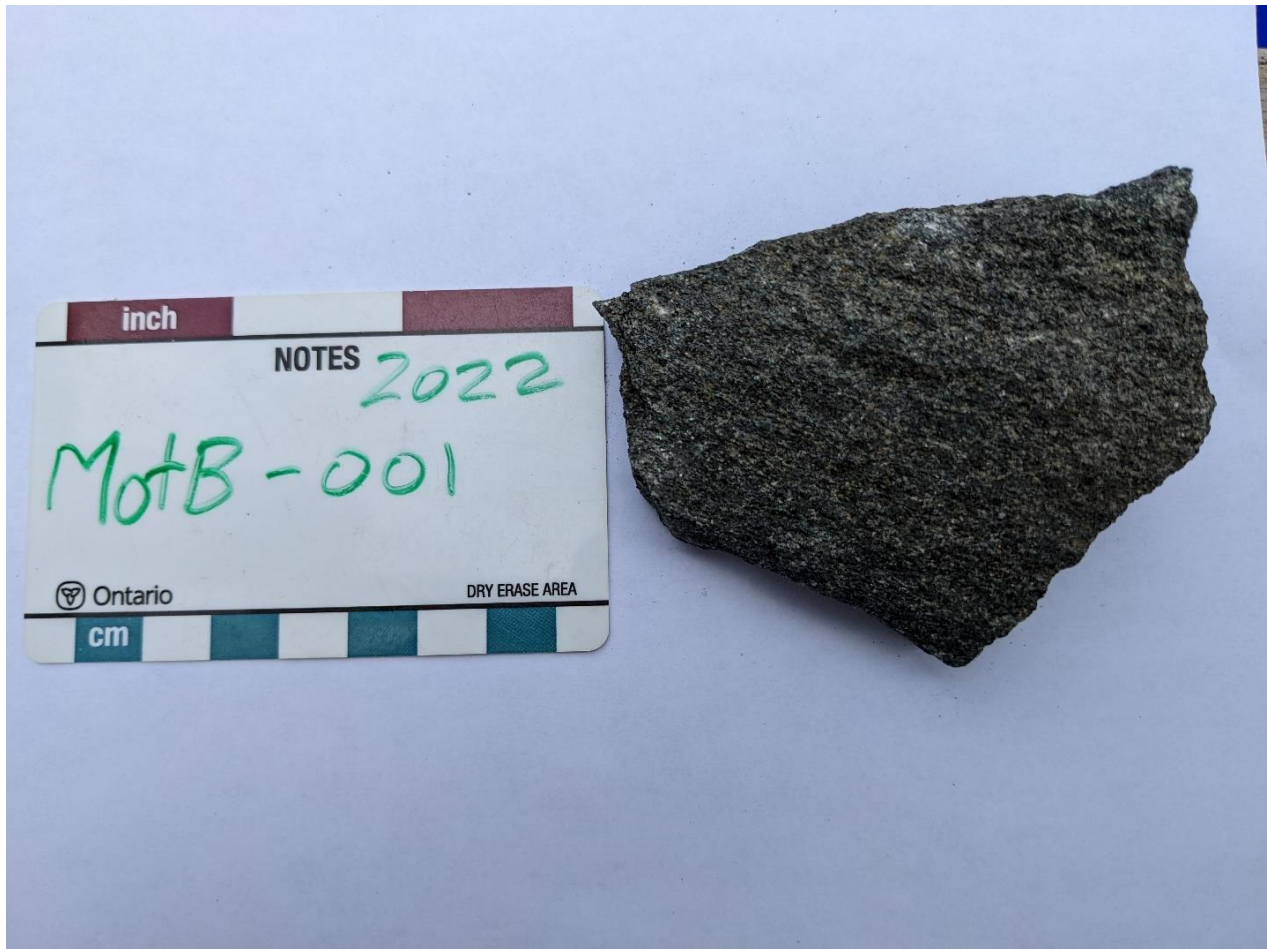


FIGURE 3 DARK GRAY TO BLACK GNEISSIC UNIT INCLUDED IN THE BULK SAMPLE AND WHOLE ROCK ANALYSES.

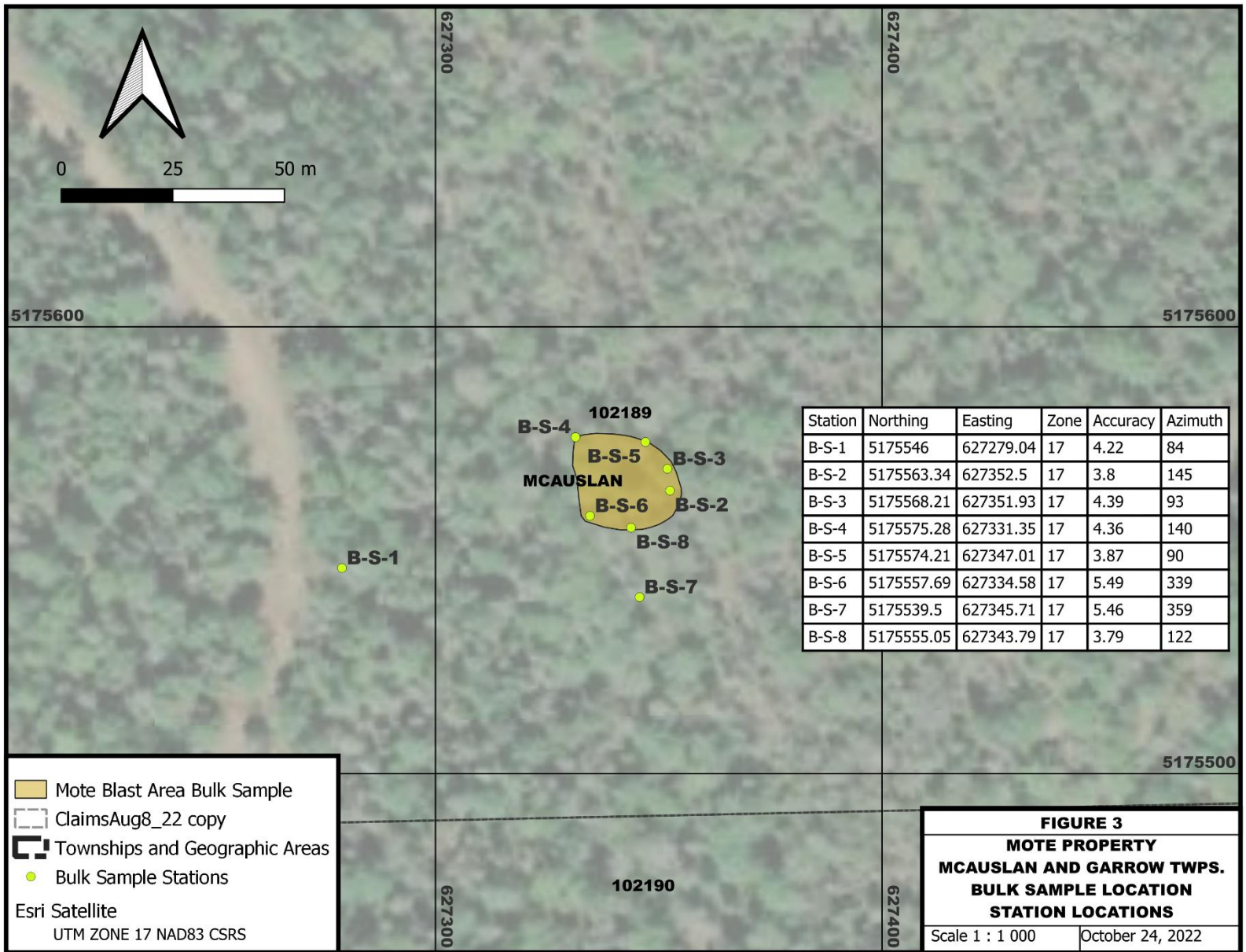


FIGURE 4 BULK SAMPLE LOCATION AND STATION LOCATIONS. AZIMUTH INDICATES THE DIRECTION IN WHICH PHOTOS WERE TAKEN.

Station	Northing	Easting	Zone	Accuracy	Azimuth	Description	Bulk	Whole	Photo
B-S-1	5175546.00	627279.04	17	4.22	84	Entrance from forestry road			Photo
B-S-2	5175563.34	627352.50	17	3.8	145	East end of blast	Bulk		
B-S-3	5175568.21	627351.93	17	4.39	93	Fly rock close-up pictures	Bulk		
B-S-4	5175575.28	627331.35	17	4.36	140	Picture and pano of fly rock area			Photo
B-S-5	5175574.21	627347.01	17	3.87	90	Shot rock area	Bulk		
B-S-6	5175557.69	627334.58	17	5.49	339	Whole rock sample	Bulk	Whole	
B-S-7	5175539.50	627345.71	17	5.46	359	View of fly rock area looking north			Photo

TABLE 4 STATION LOCATIONS AND TYPE OF SAMPLE

Bulk sample consists of samples taken throughout the shot rock area. Whole rock sampling occurred primarily at Station B-S-6. All coordinates are in UTM Zone 17 NAD83 CSRS. Accuracy refers to the reported accuracy of the GPS unit in metres. Azimuth is the direction the GPS/camera was facing. Bulk – bulk sample; Whole – whole rock sample; Photo – station where photograph was taken.

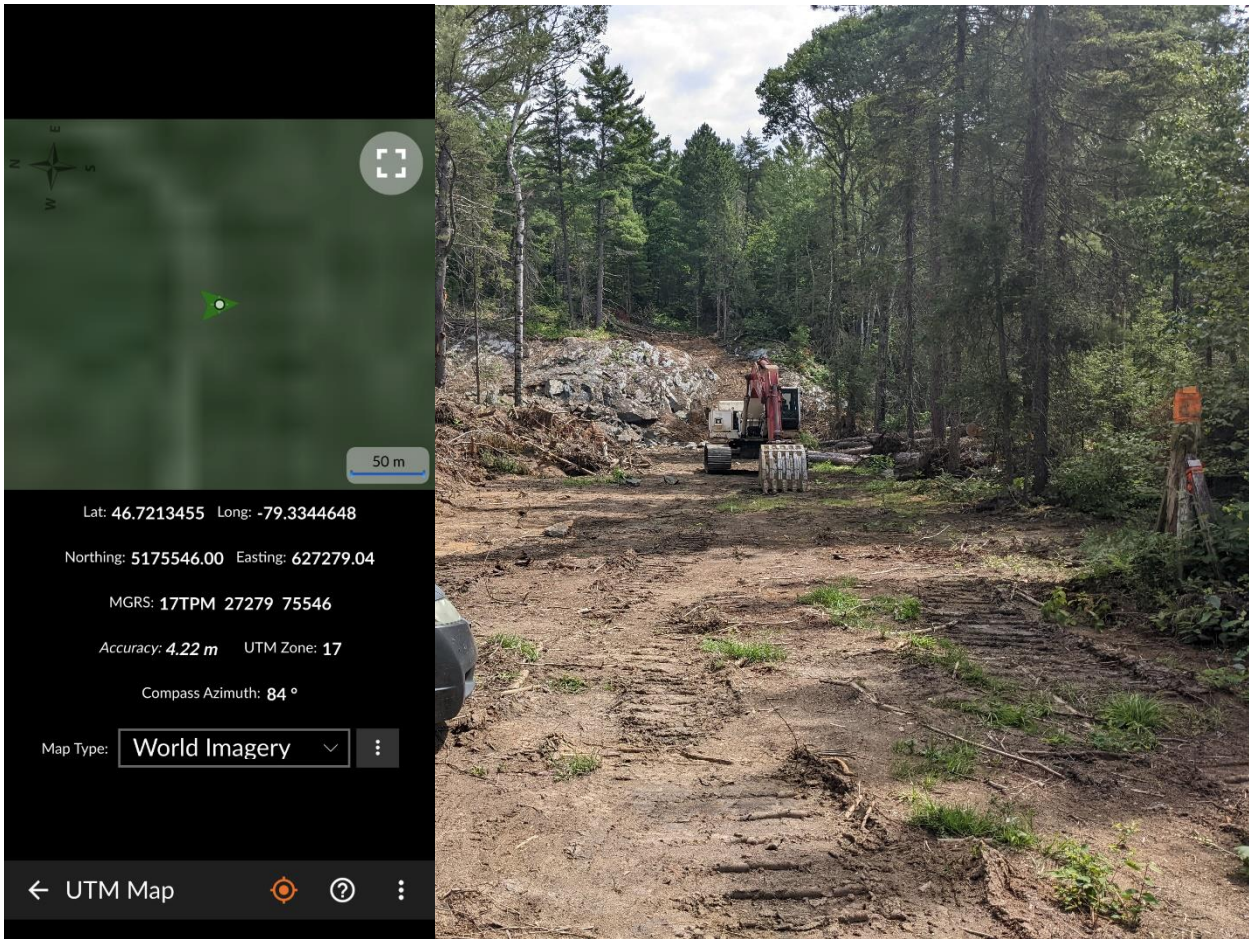


FIGURE 5 BULK SAMPLE SITE. LOCATION OF BULK SAMPLE SITE FROM MAIN BUSH ROAD LOOKING EAST. LEGACY CLAIM POSTS ON RIGHT. PHOTO TAKEN FOM STATION B-S-1.

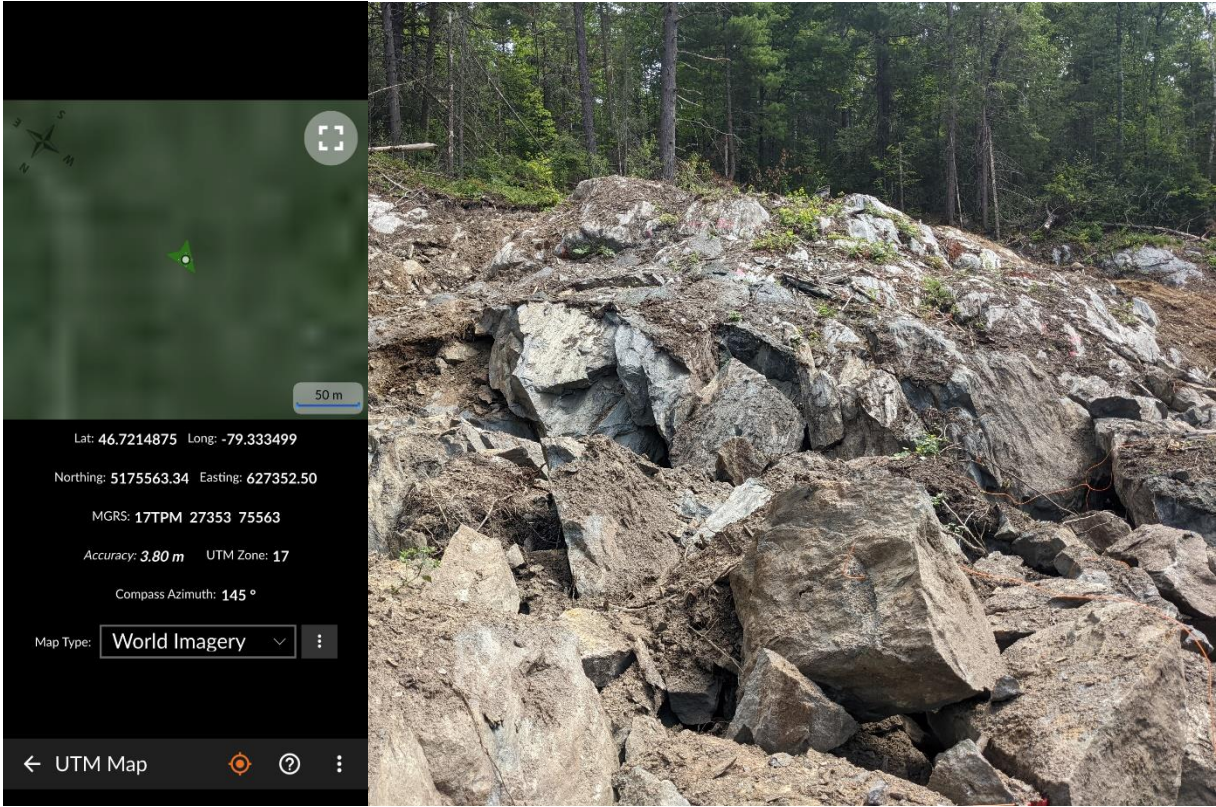


FIGURE 6 BULK SAMPLE LOCATION SITE LOOKING SOUTH-EAST. PHOTO TAKEN FROM STATION B-S-2.



FIGURE 7 BULK SAMPLE LOCATION SITE. VIEW IS LOOKING SOUTH. PHOTO TAKEN FROM STATION B-S-4.



FIGURE 8 BULK SAMPLE SITE PANORAMIC VIEW LOOKING NORTH FROM STATION B-S-7.

8.0 SAMPLE ANALYSES

Whole Rock Analyses

A 5 kilogram sample of bedrock from the shot rock area was collected in the area of Station B-S-6 and submitted to AGAT Laboratories for:

(10-371) Lithium Borate Fusion - Summation of Oxides (Whole Rock Analysis), XRF finish

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Whole Rock Analysis results are provided in Table 5. The analyses indicates that the gneissic unit has a major oxide signature comparable to rock of an intermediate composition similar to diorite. Whole Rock profiles are used to verify chemistry if and when the end user intends to utilize quarry material as furnace feed in applications such as fibre production. The certificate of analyses is attached to this document in Appendix II – Analytical Results.

Parameter	Sample Id	Original	Rep#1	RPD
Al ₂ O ₃	4204079	13.14	13.16	0.1%
BaO	4204079	0.06	0.05	7.3%
CaO	4204079	5.87	5.83	0.6%
Cr ₂ O ₃	4204079	0.06	0.07	9.2%
Fe ₂ O ₃	4204079	7.95	7.89	0.8%
K ₂ O	4204079	1.36	1.36	0.1%
MgO	4204079	5.20	5.17	0.6%
MnO	4204079	0.14	0.14	2.9%
Na ₂ O	4204079	4.38	4.36	0.5%
P ₂ O ₅	4204079	0.15	0.15	0.7%
SiO ₂	4204079	59.69	60.01	0.5%
SrO	4204079	0.10	0.10	4.0%
TiO ₂	4204079	0.50	0.50	0.6%
V ₂ O ₅	4204079	0.03	0.03	NA
LOI @ 950 C	4204079	1.31	1.24	5.5%

Table 5 Whole Rock analyses results for a 5kg sample of the dark gray gneissic unit

Bulk Sample Analyses

A 50kg sample of dark dray gneiss was collected and sent to **AME Materials Engineering** for testing according to standards outlined in the “MTO Laboratory Testing Manual” as follows:

Test Standard LS-604 - Specific Gravity & Absorption of Coarse Aggregate

Test Standard LS-614 - Freezing and Thawing of Coarse Aggregate

Sample Number	Description/Test Method	Test Result	Specification
MG-37826 (2022-MotBSample-001) ~500kg sample Gray Gneiss (geochemically intermediate in composition)	Specific Gravity/LS-604	Bulk 2.808 SSD 2.822 Apparent 2.848 (Control 2.689)	N/A
	Absorption/LS-604	0.50% Loss (Control 0.34%)	N/A
	Freezing and Thawing/LS-614	2.7% Loss (Control 13.2%)	N/A

Table 6 results of bulk sample test - Specific Gravity, Absorption, Freezing and Thawing

This testing indicates that the gray gneiss is suitable for and dimension stone purposes. The analytical report received from AME Material Engineering is included in Appendix II – Analytical Results.

A ~500 kilogram sample in the form of a single piece of the gray gneiss was retrieved from the shot rock site, and transported to Kafka Granite’s Mosinee, WI, USA production facilities where test slabs were cut. (Figure 9). These slabs are typically exposed to weather for 1, 2 and 3 year periods to gauge durability.



FIGURE 9 GRAY GNEISS SAMPLE UNDERGOING SLAB CUTTING FOR WEATHER DURABILITY TESTING

9.0 SUMMARY

During the period from May 18, 2022 to July 28 2022, bulk sampling work was completed in McAuslan Township, Sudbury Mining Division on the Mote McAuslan Property.

Work was performed in accordance with mineral exploration permit **PR-20-000072**, issued to Gary M. Mote of Callander, Ontario with Don Fudge, Fudge & Associates as the Qualified Supervisor.

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The purpose of the work was to acquire sufficient material to undertake physical property analysis and chemistry to determine the suitability of use of the gray gneiss unit in the decorative slab, crushed stone and dimension stone industries and to test market acceptance of the rock source. In addition, blast rock was scrutinized for inclusions that may adversely impact the suitability of the rock for specific applications and adversely affect end user products.

All work occurred on mining claim 102189. No mineralization was observed that would be deemed problematic for the intended use of bedrock material.

Two samples were taken for analyses: one whole rock sample and one physical properties sample. The whole rock analysis indicates that gray gneissic unit is intermediate in composition similar to diorite. The physical properties analyses confirms that the gray gneissic unit is suitable for dimension and decorative stone purposes.

All spatial data referenced in this report is UTM Zone 17 NAD83 CSRS.

10. CONCLUSIONS

Stripping and blasting on the Mote McAuslan Bulk Sample Project, McAuslan Township, Sudbury Mining Division, successfully exposed sufficient bedrock material for testing and shipping to prospective customers.

Multi-year exposure and further customer specified testing will be required for specific applications.

11.0 RECOMMENDATIONS

It is recommended that the Mote McAuslan Property proceed to the acquisition of an operating permit. Co-incident with permitting, remaining sample material should be shipped to prospecting customers for evaluation. The stone is likely to receive market acceptance for both interior and exterior applications.