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## 2022 Geological Mapping and Prospecting Report

By Geordie Hamilton P.Ge., M.Sc. and Mark Hall, P. Geo.

Submitted: October 2022

# Table of Contents

Summary .....	3
1 Property Description and Location .....	4
1.1 Property Access.....	4
1.2 Climate .....	4
1.3 Physiography.....	4
1.4 Property Description.....	4
2 Work History .....	7
2.1 Exploration .....	7
2.2 Production.....	8
3 Geology .....	8
3.1 Regional Geology .....	8
3.2 Property Geology .....	10
4 Current Prospecting .....	11
4.2 Daily Log.....	14
4.3 Table of samples .....	15
4.4 Assays.....	16
5 Statement of Qualifications .....	17
6 Cost Distribution .....	17
7 References .....	18
Table 1: Mining claims .....	6
Table 2: Summary of work completed on September 28-29, 2022.....	14
Table 3: Summary of all rock samples taken. ....	15
Table 4: Summary of assays.....	16
Figure 1: Location of the Shakespeare property in relation to Sudbury and Espanola .....	4
Figure 2: Overview of Shakespeare Property Options. Scaled to fit report see appendix for full image .....	5
Figure 3: Map showing the traverse completed on the northern side of the claim group. ....	12
Figure 4: Map showing the traverse completed on the southern side of the claim group. ....	13

## Summary

This report describes prospecting carried out in September of 2022. The intent was to render a preliminary examination of the bedrock geology and assessment of mineral potential as well as to gain insight into planning a future exploration program. The property is located in southern Shakespeare Township, in an area recognized for hosting copper, gold, nickel, uranium, PGE and cobalt as well as other less abundant mineral targets such as tungsten.

Prospecting revealed that the property hosts what appears to be significant structure, multiple manifestation of Nipissing Diabase, the presence of amphibolite gabbro, and a historic prospecting cabin situate by outcrops hosting abundant quartz veining.

### Personnel

The prospecting was carried out by Geordie Hamilton and Mark Hall, both professional geologists. They attended the property on September 28 and 29, 2022. The program was planned and overseen by Marshall Hall of Magna Mining Inc.

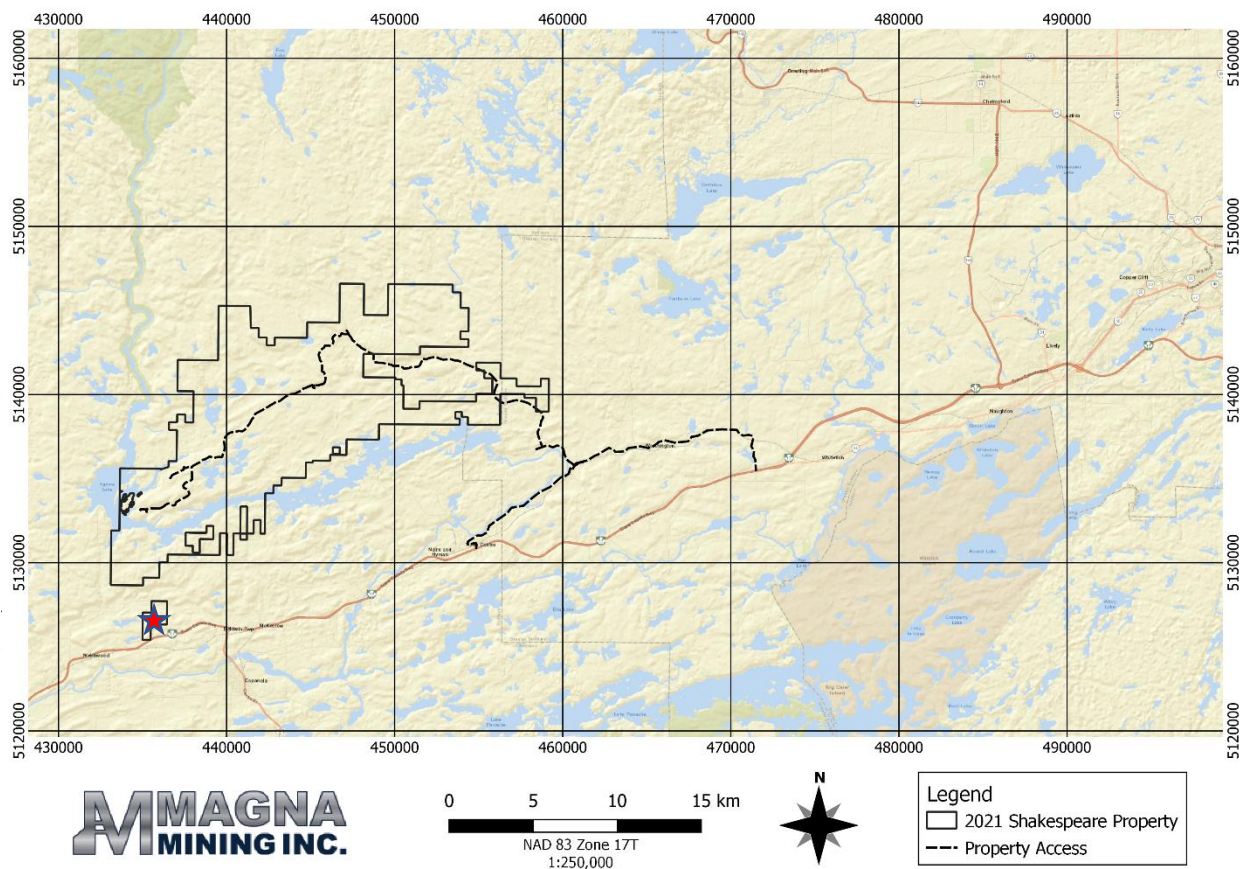
Overall, the total cost of work being applied in this report is \$4400

# 1 Property Description and Location

## 1.1 Property Access

The Property is located in Shakespeare Township, south of the west end of Agnew Lake, north of Hwy. #17. The Property is approximately 70 km west-southwest of Sudbury, Ontario (Figure 1). The closest towns are Webbwood, which is 9 km southwest of the property, and Espanola, which is 11 km southeast. The Property is situated on N.T.S. 41I/5 near Latitude 46°21'00"N and Longitude 81°49'47"W. The property is accessed directly from Hwy. #17 or by traveling north from Hwy. #17 on Hardwood Road to Van Alstine Road, (Firehall Road) then west on Van Alstine Road (Firehall Road) for approximately 6 kilometers to the north boundary of the mining claim block. Access is possible by truck but the last 4 kilometers or so is easier by ATV.

Figure 1: Location of the Shakespeare property in relation to Sudbury and Espanola (scaled to fit report)



The Shakespeare Property is large and contiguous consisting of 486 cell claims, 3 leases, and 21 patents that cover a total area of 11,733 ha. Magna currently has a 100% interest in the Property, and an 81% joint venture interest with Glencore on certain claims, leases and patents. The main property is broken into 5 options Shakespeare Proper, Porter Option, Milton/Baldwin Option, Dunlop-Shakespeare Option, and Stumpy Bay Option (

Figure 2). The work completed on the outlying claim block south and west of Agnew Lake as outlined in figure 2 and table 1.

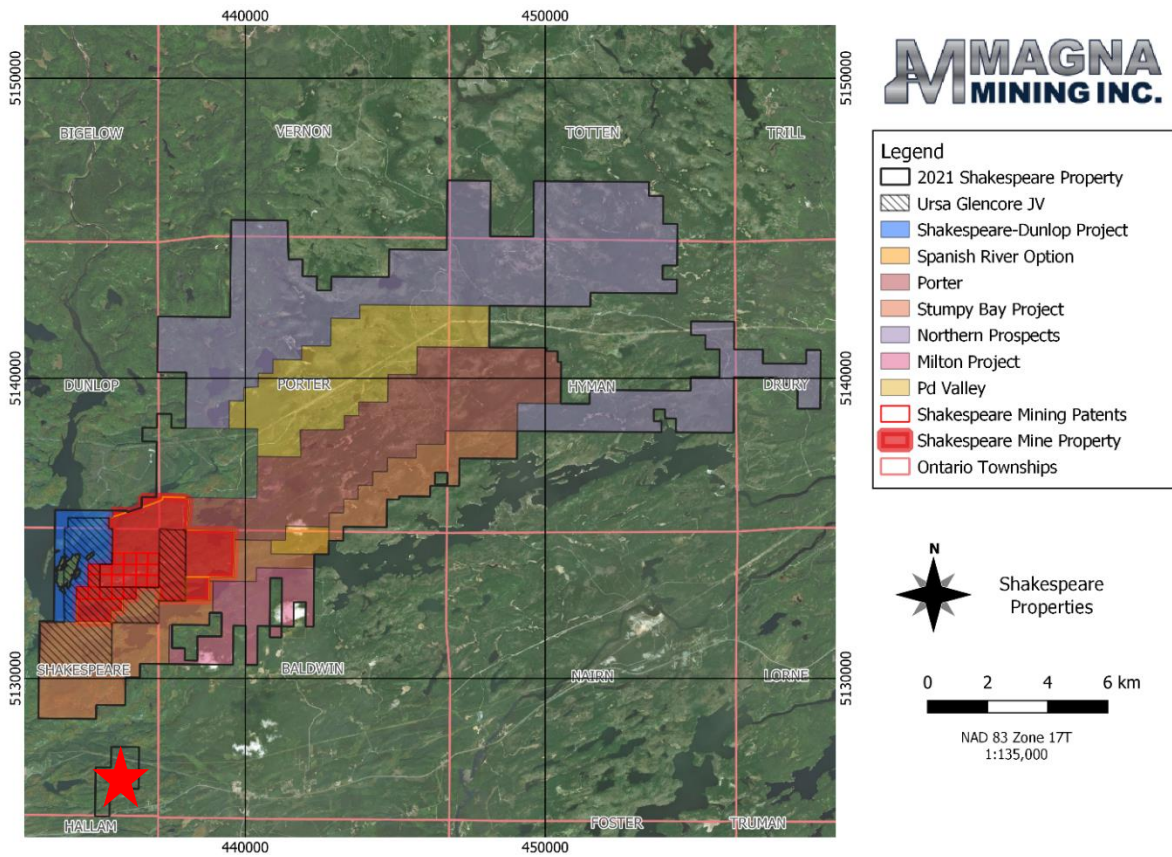


Figure 2: Overview of Shakespeare Property Options. Scaled to fit report see appendix for full image

Table 1: Mining claims

<b>Township / Area</b>	<b>Tenure ID</b>	<b>Tenure Type</b>	<b>Anniversary Date</b>	<b>Tenure Status</b>	<b>Tenure Percentage</b>
SHAKESPEARE	620697	Single Cell Mining Claim	2022-11-27	Active	100
SHAKESPEARE	620698	Single Cell Mining Claim	2022-11-27	Active	100
SHAKESPEARE	620699	Single Cell Mining Claim	2022-11-27	Active	100
SHAKESPEARE	620700	Single Cell Mining Claim	2022-11-27	Active	100
SHAKESPEARE	620701	Single Cell Mining Claim	2022-11-27	Active	100
SHAKESPEARE	620702	Single Cell Mining Claim	2022-11-27	Active	100
SHAKESPEARE	620703	Single Cell Mining Claim	2022-11-27	Active	100
SHAKESPEARE	620704	Single Cell Mining Claim	2022-11-27	Active	100
SHAKESPEARE	620705	Single Cell Mining Claim	2022-11-27	Active	100
SHAKESPEARE	620707	Single Cell Mining Claim	2022-11-27	Active	100

## 2 Work History

Most of the following work history is taken from Technical Report title “Updated Mineral Resource Estimate for the Shakespeare Ni-Cu-PGE Sulphide Deposit, Shakespeare Project, Ontario, Canada” by Allan Armitage of SGS, and references therein.

### 2.1 Exploration

In 1941, Frobisher Exploration staked the property and over the next several years carried out a plane table survey, geological mapping and diamond drilling in the area of the west zone. Drill holes completed in 1942 included twelve short holes totaling 819 m on the Shakespeare deposit. These holes ranged in length from 12 to 136 m. Drill holes completed in 1948 included three holes totaling 1,360 m. These holes, number 13, 14 and 15 were drilled to depths of 320, 568 and 472 m, respectively.

In 1947, Falconbridge Nickel Mines Limited (“Falconbridge”) (now Glencore) acquired the claims from Frobisher Exploration, and commenced a program designed to more thoroughly explore and to provide more detailed information with respect to the Shakespeare West mineral deposit, including the possibility of enrichment with depth.

Drilling in 1951 included twelve short holes, numbered 16 to 27, totaling 1,892 m. The length of the holes range from 91 to 192 m and were designed for the purpose of checking the width and grade of mineralization to a 152 m depth.

In 1985, sixteen holes totaling 1,030 m were drilled. These holes were drilled to test the near-surface resource and to evaluate the precious metal (Au, Pt and Pd) potential of the zone. Holes from the program were designed to provide coverage on 30.5 m (100-foot) centres across the Shakespeare deposit at depths less than 30.5 m from surface.

In 1986, four holes totaling 1,617 m were drilled to test the deposit at depth and along strike to the southwest. Two of the holes were drilled on 2900W, one on 2300W and the other on 1800 W. All of the holes were drilled to total depths of 355 to 457 m and designed to test the deposit at a depth below surface of approximately 152 m.

Results of the historic diamond drill data indicated a continuous zone of sulphide and precious metal mineralization extending over a total strike length of 549 m to a depth of approximately 76 m with very few holes testing below the 250-foot (76 m) level. This is now part of the west mineral zone at Shakespeare. The Centre of the zone is usually close to the baseline or slightly north of this and the dip variable, from shallow to steep north.

Possible explanations for the variability in dip are faulting or that the overall shape of the zone is arcuate with a slight curve to the north. If the zone is in fact arcuate in shape, then it is possible that the variations in dip observed on sections are simply a function of where the various drill holes intersected this.

The width of most intersections ranges between 23 and 38 m (75 and 125 feet), with the longest intersection of 79.6 m (261.8 feet) being recorded in ‘hole 1 and the shortest of 0.9 m being in hole 85-4. The range of grades intersected for nickel was 0.09% to 0.49%, copper 0.09 to 0.61%, gold 0.11 to 0.30g/t, platinum 0.15 to 0.57g/t, and palladium 0.17 to 0.57g/t.

Ultimately Falconbridge concluded in 1986 that the project could not sufficiently meet the various economic parameters required to move the project forward. At that time the Shakespeare West mineral



deposit / advance prospect was sufficiently remote enough and difficult to reach, effectively discouraging any further efforts. It is important to highlight that this conclusion was made prior to the construction of logging roads and a haulage access road into the property and the discovery of the larger east mineral zone in 2002-2003.

Ursa Major Minerals (URSA) acquired the Shakespeare Property in 2000 through a “Joint Venture” agreement with Falconbridge. Early work carried out by URSA Major in 2000 and 2001 had involved digital compilation, geological mapping, sampling, and some limited geophysical surveys. From 2002 through to the 2012 an extensive amount of diamond drilling was conducted on the Shakespeare property. In June of 2003, the company discovered the Shakespeare East mineral deposit. From there on, the company conducted an extensive amount of exploration work which included additional ground and borehole geophysics, surface trenching, geotechnical mapping probing, feasibility and base line environmental studies, public consultations, and successful permitting. URSA Major carried out diamond drilling programs on the deposit from 2002-2006 and from 2010-2012.

In 2017 Magna Mining Inc. (Magna) acquired the Shakespeare Property from Wellgreen Platinum Ltd. Magna completed a borehole EM survey on the property in 2018, as well as diamond drilling of 13 holes (3731m). The geophysical survey was completed to test the effectiveness of electromagnetic methods on the Shakespeare Deposit, as well as define drill targets. A follow-up drill program was executed later in the year, in which all but one hole intersected economic sulphide mineralization. The most prolific mineralized interval was 72.6m at 0.41% Ni, 0.47% Cu, and 1.10 g/t total precious metals (TPM).

## 2.2 Production

In 2006 Ursa Major announced an agreement with Xstrata Nickel providing for the milling of 50,000 tonne bulk sample. Trucking for this bulk sample was completed in October 2007. Then in 2008 Ursa Major processed just over 83,000 tonnes at Xstrata’s Strathcona mill, with a temporary shutdown in the third quarter due to low commodity pricing. Come April of 2010 the Shakespeare deposit again reached pre-production which transitioned into commercial production in May of 2010. The deposit remained in production until January 2012 when low commodity prices and an expired milling agreement forced the project to shutdown.

# 3 Geology

## 3.1 Regional Geology

The Dunlop-Shakespeare-Baldwin-Porter Township area is located along the southern margin of the Superior Province of the Canadian Shield and has had a prolonged evolutionary history involving the interaction between three structural provinces including the Superior, Southern and Grenville.

The bedrock underlying the area is dominated by rocks of Precambrian age, including Early Precambrian (Archean) felsic plutonic rocks of the Superior Province and by Middle Precambrian (Proterozoic) supracrustal rocks of the Huronian Supergroup of the Southern Province. These rocks have been cut by mafic intrusions of several ages including the East Bull Lake Suite, Nipissing Suite and Sudbury Breccia which is part of the Sudbury Igneous Complex.

The rocks of the Southern Province unconformably overly the Archean basement rocks. The Southern Province forms a discontinuous belt extending 750 miles (1,200 km) west from Quebec to central Minnesota along the southern margin of the Superior Province. The western portion of the Southern

Province comprises a passive margin supracrustal sequence of the Marquette Range Supergroup, whereas in central Ontario the Southern Province is defined by the distribution of the Huronian Supergroup succession which is part of a basin forming rift margin. The Huronian Supergroup consists of a thick sequence (12,000 m) of clastic metasedimentary rocks. The Huronian rocks include sandstone, conglomerate, siltstone and greywacke, which were derived from the Archean granitoid terrains to the north.

Mafic to intermediate metavolcanics, including flows and pyroclastic rocks are intercalated with the metasedimentary units in the basal part of the Huronian Supergroup succession.

The East Bull Lake Suite is part of a major magmatic episode that occurred at 2480 – 2470 Ma in Central Ontario contemporaneous with rifting of the Archean Superior Province Protocontinent and the formation of the Huronian Rift Zone, now represented by the Southern Province. The intrusions typically occur near the boundary between the Archean Superior Province and the Early Proterozoic Southern Province, and 14 generally appear to have been emplaced as large sills. Magmatism is also manifested in the form of mafic dykes, and as bimodal continental flood basalt sequences (Huronian Volcanics). The most prominent intrusions of the East Bull Lake suite surrounding the project include the: East Bull Lake, Agnew, and May Township Intrusions. The Nipissing Suite was emplaced at roughly 2.2 Ma and forms a trend extending from Sault St. Marie through the Sudbury Region to the Cobalt and Gowganda Regions (Card, 1976).

The intrusions are located within the Huronian Supergroup but are also localized along the Archean-Proterozoic unconformity. The intrusions primarily consist of gabbro's with lesser diabase and granophyre, which range in thickness from a few hundred meters to over a thousand meters and typically outcrop at the present erosional levels as open ring structures, ring dikes, cone sheets, dykes and undulatory sills (Hriskevich, 1952, 1968). The Nipissing Intrusions have traditionally been described as undulatory sheets consisting of a series of basins and arches connected by limbs (Hriskevitch, 1968). The basal portions of the sills consist of quartz diabase overlain by Hypersthene gabbro and are overlain by vari-textured gabbro with pegmatoidal patches. The arches consist of vari-textured gabbro overlain by quartz diorite, granodiorite, granophyre and aplitic granitoids.

The west limit of the Sudbury Igneous Complex is centered close to Sudbury and was emplaced at approximately 1.85 Ma. The Sudbury Igneous Complex occurs along the contact between the Superior and the Southern Province and consists of a thick composite mafic- felsic intrusion forming an elliptical ring having a major east-northeast trending axis that is 60 kilometres in length and a minor axis of 27 kilometres.

The present outcrop distribution of the Huronian Supergroup does not reflect the size and shape of the original depositional system but has rather been determined by syn- and post-Huronian folding, faulting and erosion. The most prominent faulting is syndepositional normal faulting along the east-northeast trending Murray Fault system which is considered to have controlled the accumulation and preservation of most of the Huronian Supergroup in Central Ontario." Uranium-lead (U-Pb) age determinations on zircon from the gabbroic rocks hosting the Shakespeare deposit confirm that the host rocks of the Shakespeare deposit belong to the Nipissing Suite (Sutcliffe et al., 2002).

### 3.2 Property Geology

The area surrounding the Shakespeare property is underlain by units of the Huronian-aged Mississagi quartzite and gabbroic intrusions, which trend approximately north northeast and dip moderate to steeply north. In particular, the Mississagi quartzites dominate the north and south limit of the land package and are typically whitish, medium grained and uniform, with cross-bedding features providing way-up indicators.

The Shakespeare intrusion is a differentiated gabbroic intrusive sill that occurs predominantly in the south to central portion of the Shakespeare property and is between 300-500m wide, extending over a 14 km strike length. In cross-section, the intrusion has an arcuate profile in which the dip shallows with depth, from ~80° to 40° to the North. The gabbroic intrusions have been interpreted by the Ontario Geological Survey (OGS) (Card, 1976) as Nipissing Diabase, but others suggest that some may be part of the Agnew Intrusion, (Vogel, 1996) or even the Sudbury Igneous Complex. Subsequent radiometric dating has constrained the intrusion age to ~2217 Ma, 400 million years prior to the creation of the Sudbury Igneous Complex (Sutcliffe et al., 2002).

The intrusive sill is mainly dark-grey, fine grained and predominantly consists of gabbro. According to (Sproule et al., 2007), the intrusion can be subdivided into; 1) the Lower Group composed of unmineralized pyroxenite and gabbro and 2) an Upper Group composed of mineralized melagabbro, quartz gabbro, and biotite quartz gabbro-diorite. The base of the Upper Group is the primary host for the sulphide mineralization in the Shakespeare complex. The presence of a chilled margin between the Upper and Lower Groups suggests that the Lower Group was partly crystallized as a second pulse of sulfur-saturated magma, (i.e., the Upper Group) entered the sill complex. Mineralized melagabbro dykes are also recorded intruding into the lower unmineralized gabbro/pyroxenite package of the Lower Group. This may represent feeder dykes to the overlying Upper Group or small injections of Upper Group material, cutting downward into the underlying Lower Group (Sproule et al., 2007; Dasti, 2014). The entire intrusion has subsequently undergone greenschist facies metamorphism, likely associated with the regional Penokean orogeny (1900-1850 Ma) (Dasti, 2014).

The north and south limits of the intrusion are bounded by the Mississagi quartzite. Inclusions, or entrained blocks of quartzite also occur locally within the overall limits of the intrusion, varying from near-zero to up to 30 vol.%. The contacts between the gabbro and the quartzites is locally sheared and altered. In places, the lower contact of the Shakespeare intrusion forms a visibly sharp, chilled contact with the adjacent rocks, while at several locations the contact appears evident as an irregular 5 to 15-meter-wide zone of admixture comprising melagabbro rocks and the underlying Nipissing Suite of gabbroic rocks. In some historic literature, this unit is referred to as the lower contact footwall zone.

The upper contact between the Shakespeare intrusion and the Mississauga quartzite is marked by ~5-10m wide, sharply defined rheomorphic breccia comprising a dark grey, aphanitic, fine-grained matrix with sheared, elongate and partially melted blocks of quartzite. Although the breccia shares similarities with the 1850 Ma Sudbury breccia observed in target rocks surrounding the Sudbury impact structure (situated east of the Shakespeare intrusion), the high matrix to clast ratio and the elongated, contorted shape of some of the quartzite blocks is distinct from the Sudbury breccia. Instead, the rheomorphic breccia may represent a late injection of clast-laden diabase material into a shear zone active during the waning phases of the emplacement of the Shakespeare intrusion. Shear zones provide favorable conduits into which mafic intrusions can be injected. Furthermore, vein hosted and disseminated Cu-Co mineralization in a

shear zone at Stumpy Bay (~1km South of the Shakespeare intrusion) may represent the hydrothermal remobilization of metals from the Shakespeare intrusion into proximal, still-active shear zones. Quartz-chalcopyrite veins are also observed adjacent to the rheomorphic breccia in the north side of the west pit. There are three main faults recorded in the vicinity of the Shakespeare intrusion, all of which appear to be splays of the Hunter Lake Fault. The strike of the faults is generally northeast-southwest and dip steeply. Several more northerly trending cross faults have also been identified.

Another major structure in the vicinity of the Shakespeare intrusion is the Porter Syncline. The main axis of the syncline is located north of the Shakespeare property and trends in a north-easterly direction. All rocks within the area including the mafic intrusions appear to have been folded into a series of tight to moderately open, upright, complex folds with axes trending roughly parallel to the above syncline. Mapping at the Shakespeare property suggests that there may also be a major northeast trending anticline located on the Stumpy Bay joint venture lands to the south of the Shakespeare deposit, which trends parallel to the Porter syncline. The axis of the projected fold is just south of the Shakespeare deposit and the central part of the fold is defined by a prominent quartzite lens.

## 4 Current Prospecting

On September 28<sup>th</sup> the traverse started at the northwest end of the claim block. There was no outcrop located during the traverse over claim 620697. That area is mainly flat lying with glacial till and mixed forest, with a large portion of red pine that appears to be part of a replanting program. The creek on the south side of the traverse has many beaver dams of flimsy construction prohibiting crossing.

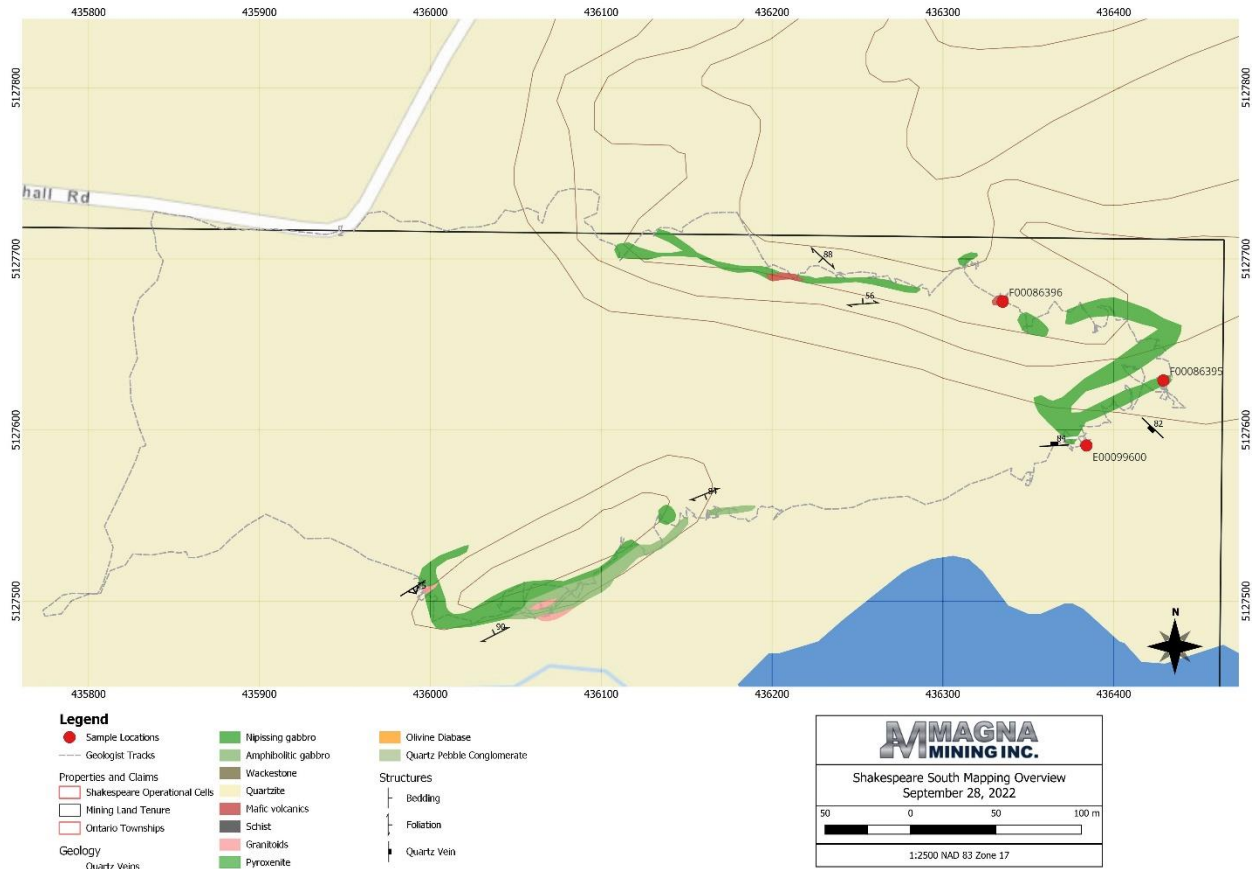
Upon traveling east onto mining claim 620698, the topographic relief changes significantly, providing much better bedrock exposure. There is a steep east-west cliff boarding the creek, too steep to climb with equipment. It appears to be a significant structure. On the west side of the claim the geology is composed of Nipissing Gabbro and amphibole gabbro with significant shearing and includes what appears to be clasts of felsic granitoid (possibly highly altered silica-rich sediment). No mineralization was located on the west side, but the abundant shearing suggests this may be a good spot to investigate further.

Bedrock outcrop was encountered again at the northeast corner of claim 620698. Here we discovered a very deteriorated cabin near several outcrops with abundant grey quartz veins. Minor mineralization was observed but due to the abundance of veining and limited time, we were unable to do a thorough examination of all veins. Samples were taken here and are listed in Table 3 below. This location clearly warrants further investigation.

The last portion of the traverse was along the north boundary of the claim. Here the bedrock was composed almost exclusively of Nipissing Gabbro that is typically sheared in an east west direction. A couple of outcrops of fine grained, garnetiferous mafic volcanic (?) was observed.

See Figure 3 below for the traverse location.

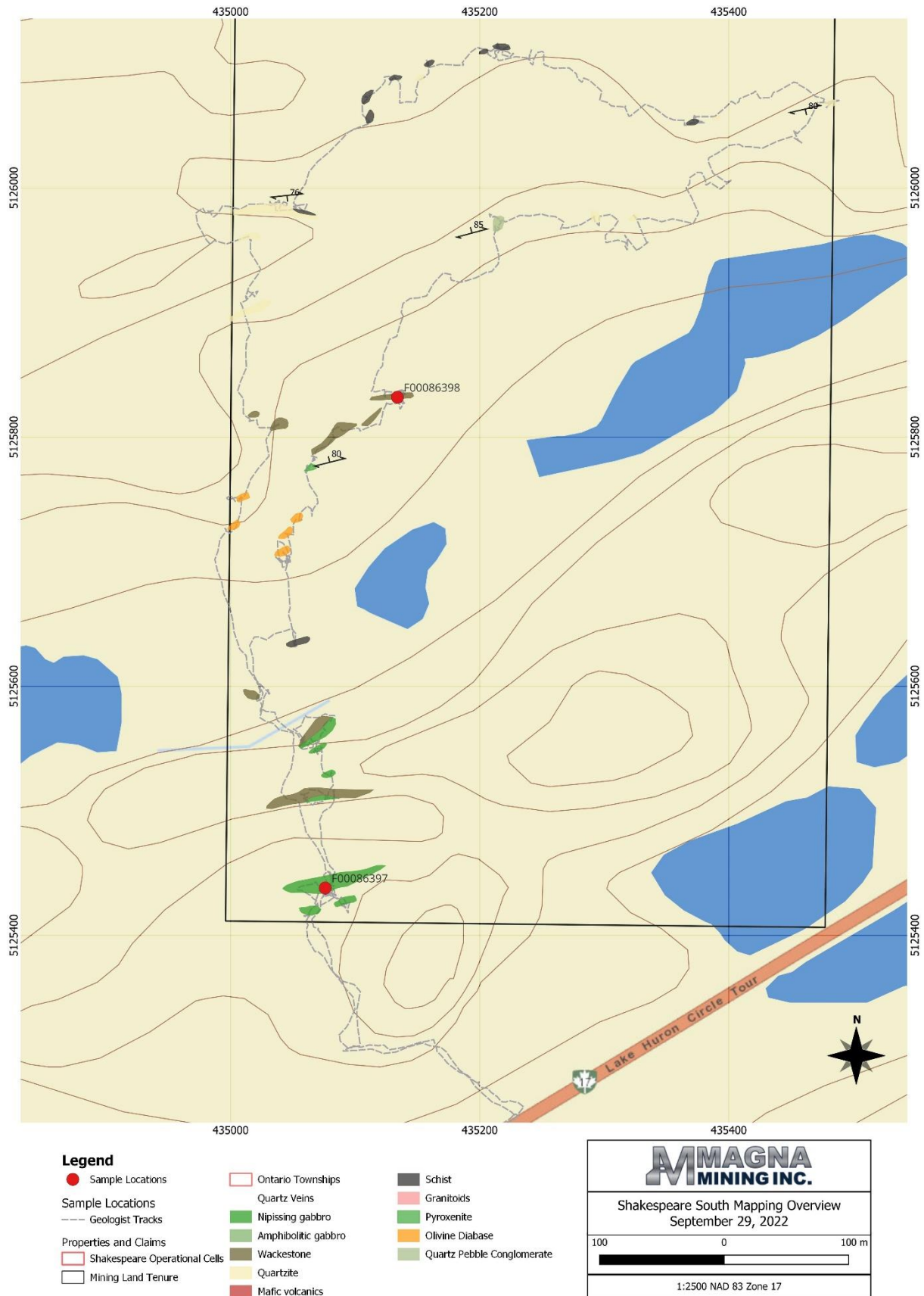
Figure 3: Map showing the traverse completed on the northern side of the claim group.



On September 29<sup>th</sup>, 2022, we traversed the south side of the claim block. The geology is a mixture of Nipissing Gabbro and Huronian sediments. The Nipissing at the south end of the traverse is varied in texture and composition. We did find what appears to be ilmenite in the coarser grained material. An olivine diabase dyke was also observed around 435050 E, 5125700 N.

Approximately 200 meters north of the south boundary of mining claim 620706 the geology changes from Nipissing to Huronian sedimentary rocks. The sediments consist of poorly sorted, fine-medium grained clastic material until crossing into mining claim 620705, where the material changes to quartz pebble conglomerate consistent with the Matinenda Formation. About halfway north through the claims the geology changes back to finer grained, structurally overprinted and metamorphosed sedimentary rocks (schistose siltstone?) possibly associated with the Salmay Lake Formation. Staurolite crystals measuring up to 5cm long were found here suggesting a higher metamorphic grade in this direction. One quartz vein was located at 435134 E, 5125832 N and sampled as sample F00086398 in Table 3 below.

Figure 4: Map showing the traverse completed on the southern side of the claim group.



## 4.2 Daily Log

Table 2: Summary of work completed on September 28-29, 2022.

<b>Date</b>	<b>Time</b>		<b>Activity</b>
September 28, 2022	7:00	8:00	Arrive at office, gather field equipment and connect ATV/trailer to truck - travel to claims
	9:00	3:00	Traverse north portion of claim block recording observed geology and taking select samples
	3:00	4:00	Return to office and unload equipment.
September 29, 2022	7:00	8:00	Arrive at office, gather field equipment and travel to claims
	9:00	3:00	Traverse south portion of claim block recording observed geology and taking select samples
	3:00	4:00	Return to office and unload equipment.

### 4.3 Table of samples

Table 3: Summary of all rock samples taken.

			UTM Coordinates (NAD 83 Zone 17)		
Sample #	Rock Type	% Sulphides	Easting (m)	Northing (m)	Description
E00099600	Gabbro	1.5	436384	5127591	Dark grey, fine grained, nonmagnetic, massive to weakly foliated gabbro or possibly mafic volcanic(?). Contains ~1-2% finely disseminated Po.
F00086395	Gabbro	4	436429	5127629	Dark grey, fine grained, nonmagnetic, massive to weakly foliated gabbro. Contains ~3-5% finely disseminated Py.
F00086396	Mafic Volcanic	5	436335	5127675	Dark grey, fine grained, weakly magnetic, weakly foliated mafic volcanic? with 3-10mm, rounded, light pink garnets. Contains ~0.5-1.0% foliation-controlled Po.
F00086397	Pyroxenitic Gabbro	5	435076	5125438	Dark grey, fine-medium grained, moderately magnetic, massive. Contains ~5% finely disseminated Po. Also contains acicular, metallic grey crystals throughout - possibly ilmenite or magnetite.
F00086398	Quartz Vein	0.1	435134	5125832	Light grey, rusty quartz vein with minor metasediment wall rock. Contains ~0.1% Cpy.



#### 4.4 Assays

Most samples taken did not come back with any significant results. Sample F00086395 contained 0.669% Cu and 0.19 ppm TPM, including 0.107 ppm Au and 0.083 ppm Pd. This sample was a gabbro with ~3-5% disseminated sulfides and was taken along a ridge situated within the northeast corner of the claim group.

Table 4: Summary of assays \*TPM refers to total precious metals, which encompasses Au, Pt, and Pd\*.

Sample #	Ni%	Cu%	Co%	TPM ppm	Au ppm	Pt ppm	Pd ppm
E00099600	0.0005	0.0005	0.00005	0.007	0.001	0.005	0.001
F00086395	0.0012	0.669	0.0052	0.19025	0.107	0.00025	0.083
F00086396	0.0057	0.032	0.00582	0.03625	0.005	0.00025	0.031
F00086397	0.0047	0.0356	0.00511	0.04225	0.009	0.00025	0.033
F00086398	0.00025	0.0163	0.00152	0.00875	0.008	0.00025	0.0005

## 5 Statement of Qualifications

I, Geordie Hamilton of 547 Montel Street, Sudbury, Ontario do certify that:

I graduated from Laurentian University with a B. Sc. (hons) in 2018.

I graduated from Laurentian University with a M. Sc. in 2021.

I am registered as a P.Geol. with the Association of Professional Geoscientists of Ontario (APGO; #3642).

I am employed by Magna Mining as an Exploration Geologist.

Geordie Hamilton  
P.Geol., M. Sc.  
Exploration Geologist  
Magna Mining  
October 7, 2022

## 6 Cost Distribution

**Cost Distribution Per Claim**

<b>Cell #</b>	620697	620698	620699	620700	620701	620702	620703	620704	620705	620706
<b>Percentage of work completed on claim</b>	15%	35%	0%	0%	0%	0%	0%	0%	25%	25%
<b>Work Credit</b>	\$ 660.00	\$ 1,540.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,100.00	\$ 1,100.00

## 7 References

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- Hriskevich, M.E. 1968. Petrology of the Nipissing Diabase Sill of the Cobalt Area, Ontario, Canada; Geological Society of America Bulletin, v. 79, p. 1387-1404.
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- Sutcliffe, R., Tracanelli, H., Davis, D.W. 2002. Shakespeare intrusion, abstract volume for the 2002 Ontario Prospectors Association Meeting, Toronto.
- Vogel, D.C. 1996. The geology and geochemistry of the Agnew intrusion: implications for the petrogenesis of early Huronian mafic igneous rocks in central Ontario, Canada; unpublished PhD thesis, University of Melbourne, v.1, 292p.



CLIENT NAME: MAGNA MINING CORP.  
45 OAK STREET  
DOWLING, ON P0M 1R0  
705-665-0262

ATTENTION TO: Marshall Hall

PROJECT: E00099600/F00086395-F00086398

AGAT WORK ORDER: 22T956160

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Nov 10, 2022

PAGES (INCLUDING COVER): 14

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

\*Notes

**Disclaimer:**

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 90 days following analysis, unless expressly agreed otherwise in writing. Please contact your Client Project Manager if you require additional sample storage time.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
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- Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.



## Certificate of Analysis

AGAT WORK ORDER: 22T956160

PROJECT: E00099600/F00086395-F00086398

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CLIENT NAME: MAGNA MINING CORP.

ATTENTION TO: Marshall Hall

### (200-) Sample Login Weight

DATE SAMPLED: Oct 11, 2022	DATE RECEIVED: Oct 12, 2022	DATE REPORTED: Nov 10, 2022	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E00099600 (4401869)		1.01
F00086395 (4401870)		2.25
F00086396 (4401871)		1.32
F00086397 (4401872)		1.15
F00086398 (4401873)		0.97

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by \*)

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 22T956160

PROJECT: E00099600/F00086395-F00086398

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

CLIENT NAME: MAGNA MINING CORP.

ATTENTION TO: Marshall Hall

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

DATE SAMPLED: Oct 11, 2022		DATE RECEIVED: Oct 12, 2022					DATE REPORTED: Nov 10, 2022					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu		
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm		
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5		
Sample ID (AGAT ID)																
E00099600 (4401869)	2	7.67	<5	96	100	<5	0.8	5.70	1.1	86.6	52.0	0.005	0.4	6690		
F00086395 (4401870)	<1	8.23	<5	103	40.5	<5	0.2	6.70	0.4	36.4	58.2	0.009	0.2	320		
F00086396 (4401871)	<1	7.18	<5	94	17.8	<5	0.4	3.05	<0.2	34.3	51.1	0.012	0.9	356		
F00086397 (4401872)	<1	10.1	<5	64	514	<5	0.5	3.03	<0.2	23.7	15.2	0.010	2.9	163		
F00086398 (4401873)	<1	5.76	<5	105	51.8	<5	0.2	5.69	0.4	34.8	75.3	0.009	0.6	1570		
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu		
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05		
Sample ID (AGAT ID)																
E00099600 (4401869)	16.6	10.3	3.16	14.7	28.2	16.2	3	14	3.47	0.3	0.37	36.2	11	1.34		
F00086395 (4401870)	11.1	7.14	2.18	15.3	30.0	9.06	4	7	2.38	0.3	0.22	15.2	27	1.11		
F00086396 (4401871)	10.2	6.41	1.74	14.3	25.4	8.09	2	6	2.07	0.2	0.07	14.9	32	0.83		
F00086397 (4401872)	3.13	2.04	1.16	3.98	20.9	2.59	<1	2	0.67	<0.2	1.05	12.0	25	0.20		
F00086398 (4401873)	9.68	5.83	1.77	15.9	23.6	8.92	2	5	2.08	<0.2	0.30	14.4	13	0.73		
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si		
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%		
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01		
Sample ID (AGAT ID)																
E00099600 (4401869)	2.09	2260	<2	19	53.2	12	0.28	13	11.7	13.3	1.30	0.7	46	21.1		
F00086395 (4401870)	3.35	2360	<2	14	23.3	57	0.14	6	4.91	5.2	0.09	0.9	48	20.9		
F00086396 (4401871)	3.36	1760	<2	10	21.9	47	0.13	9	4.64	4.4	0.28	0.6	46	24.8		
F00086397 (4401872)	1.17	382	<2	5	10.4	<5	0.61	37	2.74	72.8	0.07	1.0	10	28.4		
F00086398 (4401873)	2.59	2400	<2	13	23.0	44	0.18	<5	4.72	5.5	1.18	0.9	52	23.7		
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb		
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1		
Sample ID (AGAT ID)																
E00099600 (4401869)	14.1	3	191	1.3	2.52	10.0	2.79	<0.5	1.36	2.94	256	<1	84.6	9.1		
F00086395 (4401870)	6.5	4	39.9	0.8	1.62	4.5	1.63	<0.5	1.09	1.49	424	<1	61.5	7.2		
F00086396 (4401871)	6.4	2	30.2	0.6	1.42	4.0	1.49	<0.5	0.89	1.19	379	<1	53.5	5.8		
F00086397 (4401872)	2.4	<1	404	<0.5	0.49	2.2	0.44	0.6	0.28	1.32	86	1	17.9	1.9		
F00086398 (4401873)	6.5	4	48.3	0.8	1.41	3.9	2.72	<0.5	0.89	1.30	483	<1	52.3	5.9		

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 22T956160

PROJECT: E00099600/F00086395-F00086398

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

CLIENT NAME: MAGNA MINING CORP.

ATTENTION TO: Marshall Hall

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

DATE SAMPLED: Oct 11, 2022      DATE RECEIVED: Oct 12, 2022      DATE REPORTED: Nov 10, 2022      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E00099600 (4401869)		262	531
F00086395 (4401870)		195	247
F00086396 (4401871)		197	224
F00086397 (4401872)		61	85.5
F00086398 (4401873)		172	182

Comments: RDL - Reported Detection Limit  
 Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by \*)  
 Insufficient Sample : IS  
 Sample Not Received : SNR

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 22T956160

PROJECT: E00099600/F00086395-F00086398

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

CLIENT NAME: MAGNA MINING CORP.

ATTENTION TO: Marshall Hall

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Oct 11, 2022      DATE RECEIVED: Oct 12, 2022      DATE REPORTED: Nov 10, 2022      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
	RDL:	0.001	0.001	0.005
E00099600 (4401869)		0.107	0.083	<0.005
F00086395 (4401870)		0.005	0.031	<0.005
F00086396 (4401871)		0.009	0.033	<0.005
F00086397 (4401872)		0.008	<0.001	<0.005
F00086398 (4401873)		0.015	0.004	<0.005

Comments: RDL - Reported Detection Limit  
 Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by \*)  
 Insufficient Sample : IS  
 Sample Not Received : SNR

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 22T956160

PROJECT: E00099600/F00086395-F00086398

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

CLIENT NAME: MAGNA MINING CORP.

ATTENTION TO: Marshall Hall

### Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 11, 2022	DATE RECEIVED: Oct 12, 2022	DATE REPORTED: Nov 10, 2022	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Analyte:	Crush-Pass
Unit:	%
Sample ID (AGAT ID)	RDL: 0.01
E00099600 (4401869)	78.85

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by \*)

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



# Certificate of Analysis

AGAT WORK ORDER: 22T956160

PROJECT: E00099600/F00086395-F00086398

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

CLIENT NAME: MAGNA MINING CORP.

ATTENTION TO: Marshall Hall

## Sieving - % Passing (Pulverizing)

DATE SAMPLED: Oct 11, 2022	DATE RECEIVED: Oct 12, 2022	DATE REPORTED: Nov 10, 2022	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Analyte: Pul-Pass %	Unit: %	RDL: 0.01
Sample ID (AGAT ID)		
E00099600 (4401869)		87.40

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by \*)

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



CLIENT NAME: MAGNA MINING CORP.

ATTENTION TO: Marshall Hall

### (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	4401869	2	2	0.0%	4401872	< 1	< 1	0.0%								
Al	4401869	7.67	7.72	0.6%	4401872	10.1	10.2	1.0%								
As	4401869	< 5	< 5	0.0%	4401872	< 5	< 5	0.0%								
B	4401869	96	95	1.0%	4401872	64	61	4.8%								
Ba	4401869	100	102	2.0%	4401872	514	517	0.6%								
Be	4401869	< 5	< 5	0.0%	4401872	< 5	< 5	0.0%								
Bi	4401869	0.8	0.8	0.0%	4401872	0.5	0.5	0.0%								
Ca	4401869	5.70	5.67	0.5%	4401872	3.03	3.11	2.6%								
Cd	4401869	1.1	1.4	24.0%	4401872	< 0.2	0.4									
Ce	4401869	86.6	84.5	2.5%	4401872	23.7	22.7	4.3%								
Co	4401869	52.0	48.5	7.0%	4401872	15.2	14.1	7.5%								
Cr	4401869	0.0051	0.0065	24.1%	4401872	0.010	0.010	0.0%								
Cs	4401869	0.43	0.53	20.8%	4401872	2.9	3.3	12.9%								
Cu	4401869	6690	6400	4.4%	4401872	163	160	1.9%								
Dy	4401869	16.6	15.9	4.3%	4401872	3.13	3.06	2.3%								
Er	4401869	10.3	9.70	6.0%	4401872	2.04	1.95	4.5%								
Eu	4401869	3.16	3.02	4.5%	4401872	1.16	1.09	6.2%								
Fe	4401869	14.7	14.6	0.7%	4401872	3.98	4.00	0.5%								
Ga	4401869	28.2	27.5	2.5%	4401872	20.9	19.8	5.4%								
Gd	4401869	16.2	14.5	11.1%	4401872	2.59	2.72	4.9%								
Ge	4401869	3	3	0.0%	4401872	< 1	2									
Hf	4401869	14	14	0.0%	4401872	2	2	0.0%								
Ho	4401869	3.47	3.37	2.9%	4401872	0.667	0.686	2.8%								
In	4401869	0.3	0.4	28.6%	4401872	< 0.2	< 0.2	0.0%								
K	4401869	0.37	0.37	0.0%	4401872	1.05	1.10	4.7%								
La	4401869	36.2	35.3	2.5%	4401872	12.0	11.0	8.7%								
Li	4401869	11	11	0.0%	4401872	25	25	0.0%								
Lu	4401869	1.34	1.31	2.3%	4401872	0.201	0.249	21.3%								
Mg	4401869	2.09	2.08	0.5%	4401872	1.17	1.17	0.0%								
Mn	4401869	2260	2250	0.4%	4401872	382	376	1.6%								
Mo	4401869	< 2	< 2	0.0%	4401872	< 2	< 2	0.0%								



CLIENT NAME: MAGNA MINING CORP.

ATTENTION TO: Marshall Hall

Nb	4401869	19	21	10.0%	4401872	5	6	18.2%									
Nd	4401869	53.2	52.1	2.1%	4401872	10.4	9.91	4.8%									
Ni	4401869	12	12	0.0%	4401872	< 5	< 5	0.0%									
P	4401869	0.282	0.233	19.0%	4401872	0.611	0.617	1.0%									
Pb	4401869	13	12	8.0%	4401872	37	37	0.0%									
Pr	4401869	11.7	11.5	1.7%	4401872	2.74	2.70	1.5%									
Rb	4401869	13.3	13.3	0.0%	4401872	72.8	73.6	1.1%									
S	4401869	1.30	1.22	6.3%	4401872	0.07	0.07	0.0%									
Sb	4401869	0.7	1.3		4401872	1.0	1.0	0.0%									
Sc	4401869	46	45	2.2%	4401872	10	10	0.0%									
Si	4401869	21.1	21.1	0.0%	4401872	28.4	28.4	0.0%									
Sm	4401869	14.1	13.8	2.2%	4401872	2.4	2.2	8.7%									
Sn	4401869	3	6		4401872	< 1	< 1	0.0%									
Sr	4401869	191	192	0.5%	4401872	404	405	0.2%									
Ta	4401869	1.32	1.39	5.2%	4401872	< 0.5	< 0.5	0.0%									
Tb	4401869	2.52	2.55	1.2%	4401872	0.49	0.45	8.5%									
Th	4401869	10.0	9.8	2.0%	4401872	2.2	2.2	0.0%									
Ti	4401869	2.79	2.77	0.7%	4401872	0.44	0.44	0.0%									
Tl	4401869	< 0.5	< 0.5	0.0%	4401872	0.6	0.6	0.0%									
Tm	4401869	1.36	1.40	2.9%	4401872	0.28	0.27	3.6%									
U	4401869	2.94	2.97	1.0%	4401872	1.32	1.28	3.1%									
V	4401869	256	252	1.6%	4401872	86	85	1.2%									
W	4401869	< 1	< 1	0.0%	4401872	1	1	0.0%									
Y	4401869	84.6	82.1	3.0%	4401872	17.9	16.7	6.9%									
Yb	4401869	9.14	9.23	1.0%	4401872	1.91	1.81	5.4%									
Zn	4401869	262	255	2.7%	4401872	61	58	5.0%									
Zr	4401869	531	509	4.2%	4401872	85.5	81.0	5.4%									

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

Parameter	REPLICATE #1				RPD												
	Sample ID	Original	Replicate	RPD													
Au	4401869	0.107	0.077														
Pd	4401869	0.083	0.081	2.4%													
Pt	4401869	< 0.005	< 0.005	0.0%													



CLIENT NAME: MAGNA MINING CORP.

ATTENTION TO: Marshall Hall

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

Parameter	CRM #1 (ref.OREAS-47)			Limits											
	Expect	Actual	Recovery												
Al	6.34	6.63	105%												
Ba	473	484	102%												
Be	0.97	1.23	127%												
Ca	2.33	2.43	104%												
Ce	56	56	101%												
Co	52	58	111%												
Cs	2.01	2.03	101%												
Dy	2.11	2.19	104%												
Er	1.16	1.11	95%												
Eu	1.01	1.06	105%												
Fe	2.78	2.97	107%												
Ga	14.1	16.8	119%												
Gd	2.83	2.8	99%												
Hf	4.1	3.9	95%												
Ho	0.42	0.46	109%												
K	1.18	1.11	94%												
La	30.9	31.3	101%												
Mg	1	1	111%												
Mn	496	548	110%												
Mo	12.7	12.6	99%												
Nb	17.9	18.2	102%												
Ni	91	111	122%												
P	0.056	0.055	99%												
Pr	6.58	6.65	101%												
Rb	37.6	37.6	100%												
Sc	9.27	9.29	100%												
Si	33.99	32.95	97%												
Sm	4.01	4.17	104%												
Sn	6.14	6.08	99%												
Sr	402	408	101%												
Ta	0.46	0.38	83%												



CLIENT NAME: MAGNA MINING CORP.

ATTENTION TO: Marshall Hall

Tb	0.39	0.37	94%														
Th	3.84	4.02	105%														
Ti	0.23	0.23	102%														
Tm	0.17	0.18	105%														
U	0.79	0.81	103%														
V	61	62	102%														
Y	11.6	11.7	101%														
Yb	1.08	1.13	104%														
Zn	217	244	112%														
Zr	161	150	93%														

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

CRM #1 (ref.PGMS30)																	
Parameter	Expect	Actual	Recovery	Limits													
Au	1.897	1.93	101%														
Pd	1.660	1.753	105%														
Pt	0.223	0.202	90%														

## Method Summary

CLIENT NAME: MAGNA MINING CORP.

AGAT WORK ORDER: 22T956160

PROJECT: E00099600/F00086395-F00086398

ATTENTION TO: Marshall Hall

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	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Al	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
As	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
B	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Ba	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Be	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Bi	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ca	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Cd	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ce	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Co	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Cr	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Cs	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Cu	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Dy	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Er	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Eu	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Fe	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Ga	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Gd	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ge	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Hf	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ho	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
In	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
K	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
La	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Li	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES

## Method Summary

CLIENT NAME: MAGNA MINING CORP.

AGAT WORK ORDER: 22T956160

PROJECT: E00099600/F00086395-F00086398

ATTENTION TO: Marshall Hall

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Lu	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Mg	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Mn	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Mo	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Nb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Nd	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ni	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
P	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Pb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Pr	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Rb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
S	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Sb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Sc	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Si	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Sm	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Sn	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Sr	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Ta	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Tb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Th	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Ti	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Tl	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Tm	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
U	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
V	MIN-200-12001/MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
W	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Y	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS





## Method Summary

CLIENT NAME: MAGNA MINING CORP.

AGAT WORK ORDER: 22T956160

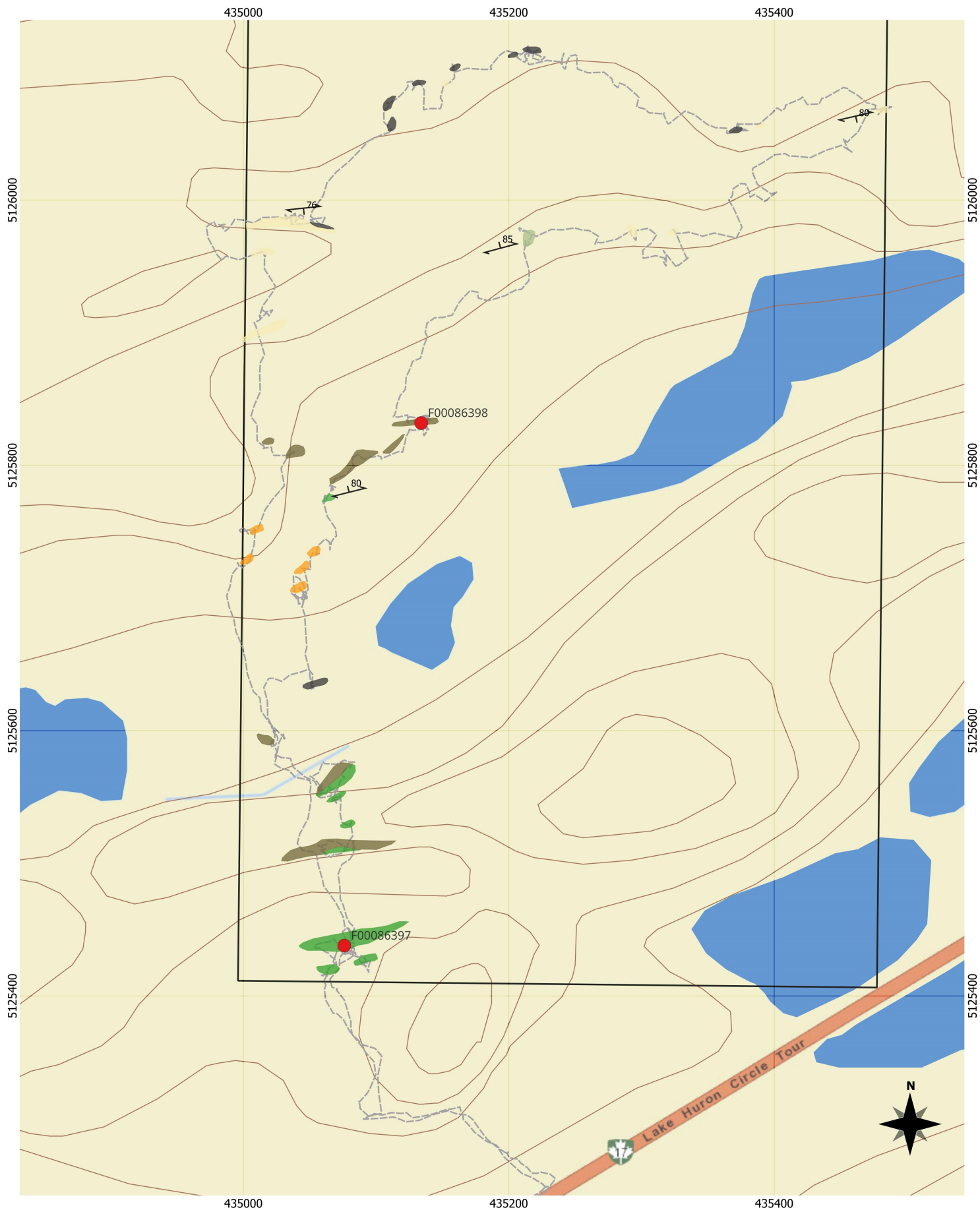
PROJECT: E00099600/F00086395-F00086398

ATTENTION TO: Marshall Hall

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Yb	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Zn	MIN-200-12001/MIN-200- 12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-OES
Zr	MIN-200-12049	Bozic, J et al. Analyst. 114: 1401-1403; 1989	ICP-MS
Au	MIN-12006, MIN-12004	Bugbee E: Textbook of Fire Assaying	ICP/OES
Pd	MIN-12006, MIN-12004	Bugbee E: Textbook of Fire Assaying	ICP/OES
Pt	MIN-12006, MIN-12004	Bugbee E: Textbook of Fire Assaying	ICP/OES
Crush-Pass %			BALANCE
Pul-Pass %			BALANCE



**Legend**

- |  |   |  |
|--|---|--|
| <span style="color: red;">●</span> Sample Locations  | <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Ontario Townships        | <span style="background-color: gray; width: 10px; height: 10px; display: inline-block;"></span> Schist                           |
| <span style="color: red;">●</span> Sample Locations  | <span style="border-bottom: 1px dashed black; width: 10px; display: inline-block;"></span> Quartz Veins                   | <span style="background-color: pink; width: 10px; height: 10px; display: inline-block;"></span> Granitoids                       |
| <span style="color: gray;">---</span> Geologist Tracks   | <span style="background-color: green; width: 10px; height: 10px; display: inline-block;"></span> Nipissing gabbro         | <span style="background-color: lightgreen; width: 10px; height: 10px; display: inline-block;"></span> Pyroxenite                 |
| <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Properties and Claims         | <span style="background-color: lightgreen; width: 10px; height: 10px; display: inline-block;"></span> Amphibolitic gabbro | <span style="background-color: orange; width: 10px; height: 10px; display: inline-block;"></span> Olivine Diabase                |
| <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Shakespeare Operational Cells | <span style="background-color: brown; width: 10px; height: 10px; display: inline-block;"></span> Wackestone               | <span style="background-color: lightgreen; width: 10px; height: 10px; display: inline-block;"></span> Quartz Pebble Conglomerate |
| <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Mining Land Tenure            | <span style="background-color: yellow; width: 10px; height: 10px; display: inline-block;"></span> Quartzite               |  |
|  | <span style="background-color: red; width: 10px; height: 10px; display: inline-block;"></span> Mafic volcanics            |  |

**MAGNA MINING INC.**

Shakespeare South Mapping Overview  
September 29, 2022


100                      0                      100 m

1:2500 NAD 83 Zone 17



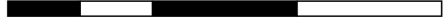
**Legend**

- Sample Locations
- Nipissing gabbro
- Olivine Diabase
- - - Geologist Tracks
- Amphibolitic gabbro
- Quartz Pebble Conglomerate
- Properties and Claims**
- Shakespeare Operational Cells
- Quartzite
- Mining Land Tenure
- Wackestone
- Ontario Townships
- Mafic volcanics
- Schist
- Geology**
- Granitoids
- Pyroxenite
- Quartz Veins
- Structures**
- Bedding
- Foliation
- Quartz Vein



Shakespeare South Mapping Overview  
September 28, 2022

50
0
50
100 m



1:2500 NAD 83 Zone 17

**Cost Distribution Per Claim**

					620697	620698	620699	620700	620701	620702	620703	620704	620705	620706
Item	Unit Cost	# of Units	Subtotal	Receipts	15%	35%	0%	0%	0%	0%	0%	0%	25%	25%
Truck, gas , insurance	\$ 600.00	2	\$ 1,200.00	No	\$ 180.00	\$ 420.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300.00	\$ 300.00
UTV and Trailer	\$ 600.00	1	\$ 600.00	No	\$ 90.00	\$ 210.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150.00	\$ 150.00
Exploration Manager	\$ 600.00	1	\$ 600.00	No	\$ 90.00	\$ 210.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150.00	\$ 150.00
Exploration Geologist	\$ 400.00	2.5	\$ 1,000.00	No	\$ 150.00	\$ 350.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250.00	\$ 250.00
Contract Prospector	\$ 400.00	2.5	\$ 1,000.00	Yes x2	\$ 150.00	\$ 350.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250.00	\$ 250.00
<b>Total</b>			<b>\$ 4,400.00</b>		<b>\$ 660.00</b>	<b>\$ 1,540.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$1,100.00</b>	<b>\$1,100.00</b>