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Summary Report: Goodman Gold Property

Prepared for: Colorado Milling Company

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Outcrop with pseudotachylyte in granite synvolcanic granite intrusive, Goodman Property

Acronyms:

GGP: Goodman Gold Property

BGB: Beardmore- Geraldton greenstone Belt

NVU/NVS: Northern Volcanic Unit/ Northern Volcanic Subbelt

CVU/CVS: Central Volcanic Unit/ Central Volcanic Subbelt

SVU/SVS: Southern Volcanic Unit/ Southern Volcanic Subbelt

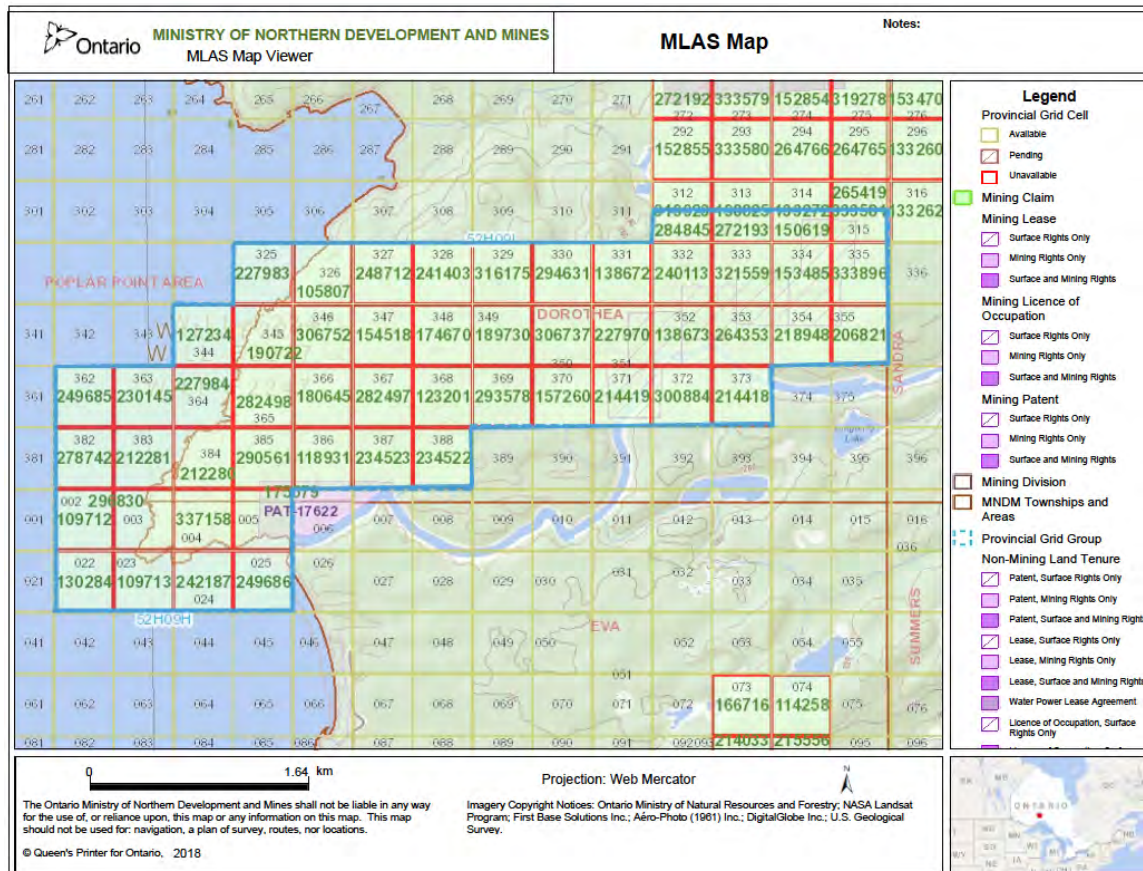
NSU/NSS: Northern Sedimentary Unit/ Northern Sedimentary Unit Subbelt

CSU/CSS: Central Sedimentary Unit/ Central Sedimentary Subbelt

SSU/SSS: Southern Sedimentary Unit/ Southern Sedimentary Subbelt

Introduction:

This report summarizes the work that was completed on the Goodman Gold Property during field work conducted between August 6, 2020 and August 20, 2020. This report focuses on detailed mapping of outcrop uncovered by mechanical stripping earlier this year. Tentative structural interpretations, alteration halos, and mineralization trend are presented in this report. Regional and property scale geology are carried over from previous work conducted in 2018 and updated where appropriate. Structural and lithological controls, in addition to the distribution of alteration assemblages were evaluated through the mapping and sampling program.



Goodman Gold Property claim map

Regional Geology

The Goodman Gold Property is located within the Beardmore-Geraldton greenstone belt (BGB) which forms the southern margin of the eastern Wabigoon Subprovince (Cundari et al., 2018). The BGB is subdivided into three metavolcanics and three northeast striking metasedimentary sub-belts described as the Northern, Central, and Southern sub-belts by Hart et al. 2002 or as units by Dewolfe et al., 2007. As noted by DeWolfe et al., 2007, regional metamorphism has occurred throughout the belt with all rocks having undergone at least greenschist facies metamorphism.

Lithologies

The volcanic rocks are basaltic to andesitic in composition and consist of flows and pyroclastic rocks (Dewolfe et al., 2007). The Northern Volcanic Unit (NVU) (subbelt) is 50-1000 m thick and consists of massive basaltic flows with subordinate pillowed amygdaloidal flows, flow breccias and interflow sedimentary rocks (Dewolfe et al., 2007). The 1-5 km wide Central Volcanic Unit (CVU) and the 3 km wide Southern Volcanic Unit (SVU) consists of lapilli tuff units, massive flows and pillowed amygdaloidal flows with the Southern Volcanic Unit predominantly consisting of massive and pillowed flows compared to the Central Volcanic Unit (Dewolfe et al., 2007).

Chemical and clastic sedimentary units are found within the BGB. The Northern Sedimentary Unit (NSU) is a 100-800 m wide belt consisting of polymictic conglomerate and minor interlayered feldspathic arenite, feldspathic wacke and mudstone (Dewolfe et al., 2007). The Central Sedimentary Unit (CSU) is 2 km wide and predominantly consists of interlayered feldspathic arenite, feldspathic wacke, and mudstone with minor polymictic conglomerate and iron formation (Dewolfe et al., 2007). The Southern Sedimentary Unit (SSU) is 3-9 km wide and is similar to the Central Sedimentary Unit but contains more iron formation layers and fewer conglomerate units. The Southern Sedimentary Unit has been interpreted to represent a deep water turbidite while the compositionally immature lithic arenites of the Central Sedimentary Unit suggest shorter transport in a restricted basin setting and are interpreted to be deposited by either an alluvial or deltaic river (Hart et al., 2002).

A massive felsic volcanic flow and a felsic feldspar-quartz porphyry feeder dike have been dated by Hart et al. (2002) with U-Pb ages of 2724.9 ± 1.1 Ma and 2724.9 ± 1.2 Ma respectively. U-Pb dating of detrital zircons from a conglomerate unit within the Central sedimentary belt provided a range of ages from 2922 Ma- 2696 ± 2 Ma (Hart et al., 2002).

Deformation History

The BGB has undergone three major deformation events: First D_1 thrusting of the Wabigoon subprovince over the Quetico subprovince leading to imbrication of volcanic and sedimentary units; followed by east-trending regional F_2 folds and S_2 axial plane cleavage were produced due

to strong deformation and transposition of the belt during a D₂ event; and finally a regional S₃ cleavage formed during regional D₃ transpression across the belt (Toth, 2019; Dewolfe et al., 2007; Lafrance et al., 2004).

Previous Development

Past production amongst several historic gold mines in the BGB exceeds 4 M oz gold (Toth, 2019). In the eastern portion of the BGB, gold was introduced early in the tectonic history of the belt, being emplaced during early D₁ thrusting and D₂ sinistral transpression (Toth, 2019). This early gold mineralization event is characterized by strongly folded, early D₁ veins and E-NE striking syn-D₂ veins (Toth, 2019).

2020 Stripping Program Geology

Lithologies

Four main lithologies are present in the area of focus for the 2020 stripping program: 1) intermediate intrusive, 2) massive mafic volcanic; 3) siliciclastic and chemical sedimentary rocks, and 4) tectonic breccia. All lithologies have all undergone moderate to strong deformation, shearing, and alteration.

All the lithologies within the 2020 stripping area have undergone metamorphism up to at least greenschist facies metamorphism. For simplicity, the prefix meta- is dropped from the descriptions below. The mafic volcanic rocks are the oldest unit present, followed by the chemical sedimentary rocks. The siliciclastic sedimentary rocks unconformably overlie these units. Lastly intermediate intrusive rocks intrude the siliciclastic sedimentary and mafic volcanic rocks.

Mafic Volcanics

Mafic volcanic rocks within Goodman Strippings are exclusively massive, aphanitic, aphyric, fine-grained, volcanic flows. This unit is commonly strongly sheared and moderately to strongly altered. Strongly (upwards of 50% SiO₂) silicified mafic volcanic rocks at the westernmost and northernmost regions of the stripping program have not undergone deformation and shearing to the extent of the sericite-ankerite altered mafic volcanic rocks previously described at the Goodman East Zone, and in places pillow lavas are well preserved (figure 1a). Strongly deformed pillowed lavas are also present in the eastern extension to the 2018 Goodman East Zone stripping program.

A sharp contact between the mafic and intermediate intrusive units is observed throughout the Goodman Property both with the main intermediate intrusive body to the north and west of the mafic volcanics as well as with lensoidal intermediate intrusions within the mafic volcanic unit. At the contact with a few of these intermediate intrusions, particularly where the mafic volcanic rock is weakly sheared, dark bands (5-10 mm wide) that are interpreted as chilled margins are observed. Sulfide mineralization is present throughout the mafic volcanic unit with

0.5-2.0% disseminated pyrite contained in strong, pervasive chlorite and strong, pervasive sericite alteration within the mafic volcanic rocks. Other sulfide minerals are present including chalcopyrite, molybdenite, minor chalcocite, and various other supergene copper minerals. These minerals appear to be spatially associated with the contact with granodiorite intrusions as well as the main felsic-intermediate intrusive body, however mineralization is generally 0.5- 1.0 m away from the contact in the altered and deformed mafic volcanic rocks and in the felsic-intermediate intrusives.

Intermediate Intrusive rocks

The intermediate intrusive rocks throughout the Goodman Property consist of an intermediate intrusive which intrudes massive mafic volcanic and metasedimentary rocks as irregular lenses and an intermediate intrusive unit to the north and west of the metavolcanics rocks (figure 1b). The intermediate intrusion is white to pinkish-white in color, equigranular and medium-grained with weak patchy chlorite and weak pervasive hematite alteration. Moderate to strong pervasive sericite alteration is present in intrusives proximal to lithological contacts or shear zones. Alteration in the main intermediate intrusion proximal to the contact with the mafic volcanic rocks gives the intrusive units a strong and pervasive reddish purple-hue interpreted to be hematite alteration. Several 5-50 mm grains of molybdenite were observed within the main granodiorite intrusion proximal to the contact with the mafic volcanic rocks. Locally, large xenoliths (10-15 cm) of altered volcanic material are present.

Siliciclastic Sedimentary Rocks

A package of strongly sheared and altered siltstone with locally interbedded sandstone and a mudstone unit were uncovered during mechanical stripping along the south of the GEZ. A sharp undulating contact is observed between the overlying sandstone and massive mafic volcanic rocks. Near this contact and at the southern point of the outcrop a granodiorite intrudes the sedimentary units. The sandstone in the outcrop is a massive, coarse grained, sub-angular, (~75 %) quartz, (25 %) plagioclase, arkose that has undergone sericite alteration. The siltstone is the major sedimentary unit present in the outcrop and is strongly sheared and altered in the Goodman East Zone but well preserved east of the shear zone. The moniker siltstone is intended as a preliminary field descriptor in reference to the subtle grain size difference and between this unit and the finer grained mudstone interval. Localized patches of an unidentified green mica, potentially roscoelite, are present in the strong and pervasive sericite altered siltstone. Molybdenite mineralization in the least altered siltstone was also uncovered during channel sampling. The concentration of pyrite mineralization in the siltstone varies from 0.01%, to 10% disseminated. The mudstone unit is least altered (minor weak and patchy chlorite, and moderate and pervasive silica) and is intercalated with irregular lathes of arkosic sandstone suggesting that this package has been folded.

On the shore of the Namewaminikan River to the east of the 2018-2020 stripping activities interbedded purple-orange cherty hematite±magnetite iron formation and finely laminated greywacke-siltstone metasedimentary rocks are present (figure 1c). Both have evidence of soft sedimentation deformation with ball and pillow as well as flame structures present. Localized reverse faulting with 1-3 cm displacement in addition to well-developed z-folds are present in the iron formation (figure 1d). Mudstone to the southeast of the 2018-2020 stripping, tentatively interpreted to be correlative to the mudstone present in the GEZ is massive, dark brown-black, and very fine grained. Disseminated pyrite and vuggy pyrite-pyrrhotite is locally present.

Chemical Sedimentary Rocks

A small (~ 3 m EW, < 1 m NS) unit of hematite-magnetite, chert iron formation is present with an undulating contact between the mudstone unit to the north and a sandstone unit the south. In the eastern extension of the 2018 Goodman East Zone stripping program, another lath of sheared- in iron formation is present, folded and pinched out in the mafic volcanic rocks. Although not present at the contact with the mafic volcanic rock in the outcrop, chronologically in the BGB, the iron formation occurs after the mafic volcanic rock (Hart et al., 2002). Significant exposure of iron formation is present to the south of the stripping program, along the shore of the Namewaminikan River.

Tectonic Breccia (“Pseudotachylite”)

This unit generally occurs as small (<30 cm) lathes along contacts or reactivated planes between intermediate intrusive units. It consists of melanocratic, fine grained matrix with in-situ breccia developed in planes (figure 1e). Larger zones (1-3 m) are developed as pods off the main structure with a fabric parallel to the dominant shear direction (generally S2). Fragments or clasts within this breccia are generally intermediate intrusive in origin however quartz vein and volcanic fragments are also present. This unit is generally less altered than surrounding units, however tectonic breccia in the Goodman Vein area has been chloritized and silicified. In the easternmost stripping, tectonic breccia incorporates large (20-60 cm) metasedimentary blocks.

Fault Scarp Breccia

Southwest of the stripping program, a heterolithic, matrix supported breccia unit overlies a mudstone unit. In-situ breccia is present throughout the unit indicated by the presence of jigsaw fit clasts (Figure 1f). The presence of angular large (up to 80 cm) fragments with little to no sorting in a fine-grained muddy matrix suggests a mass dump into a very low energy environment, potentially a debris flow into an anoxic basin.

Diabase

A roughly N-S trending diabase dike is present, offset roughly 2 m by late dextral movement. The unit is fine-medium grained, massive, melanocratic, and weakly magnetic. This dike is unaffected by the strong shearing present in the surrounding rocks.

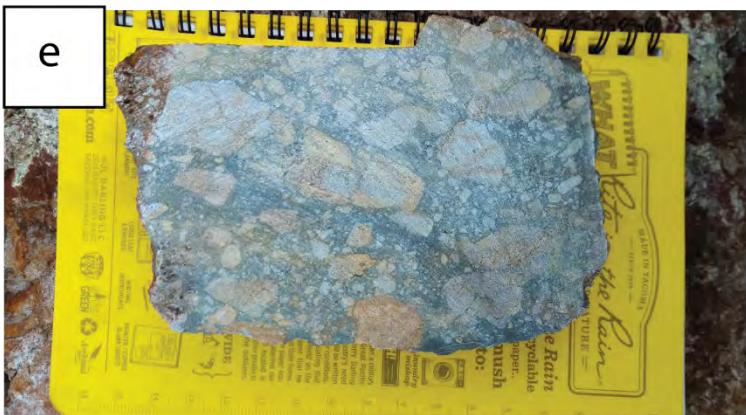
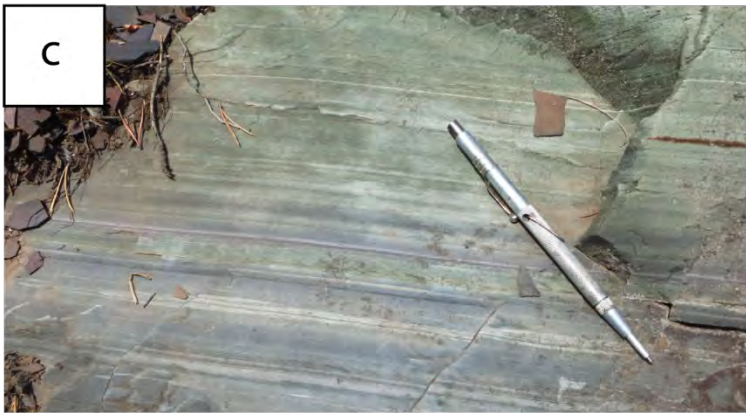


Figure one: Lithologies present in the 2018-2020 Goodman stripping program. a) Pillowed mafic volcanic flow that has been strongly silicified. b) Main intermediate intrusive body (top) more resistant to weathering compared to mafic volcanics (bottom) and is a topographic high feature. c) finely laminated, greywacke-siltstone with localised faulting. d) Z-folding in iron formation. e) Tectonic breccia. f) Fault scarp breccia with jigsaw fit clasts (top).

Veins

Veining exposed in the stripping program varies with lithology and is controlled by shear intensity. Multiple generations of veins are present. The oldest generation(s) of veins trends roughly N-S and tend to be crenulated and/or heavily deformed to a point that only cardinal direction can be inferred, if at all. Shear parallel veins are less deformed, however tend to be boudinaged in areas during reactivation or later shearing events. Shear oblique veins are likely later veins forming in an extensional setting and tend to be relatively undeformed. The youngest generation of veining are undeformed quartz veins.

The “Goodman Main” and “Goodman Extension” veins are of particular interest due to significant gold grade from channel cuts and grab samples. These two veins trend oblique to the dominant shear direction in the area (figure 2) and are hosted in weak-moderately strained sericite-ankerite \pm chlorite, pyrite altered mafic volcanics. Both veins are Quartz-ankerite-pyrite veins that pinch and swell between 5-20 cm in diameter. Multiple generations of veining occur as evident by wall rock rip-up in the veins.

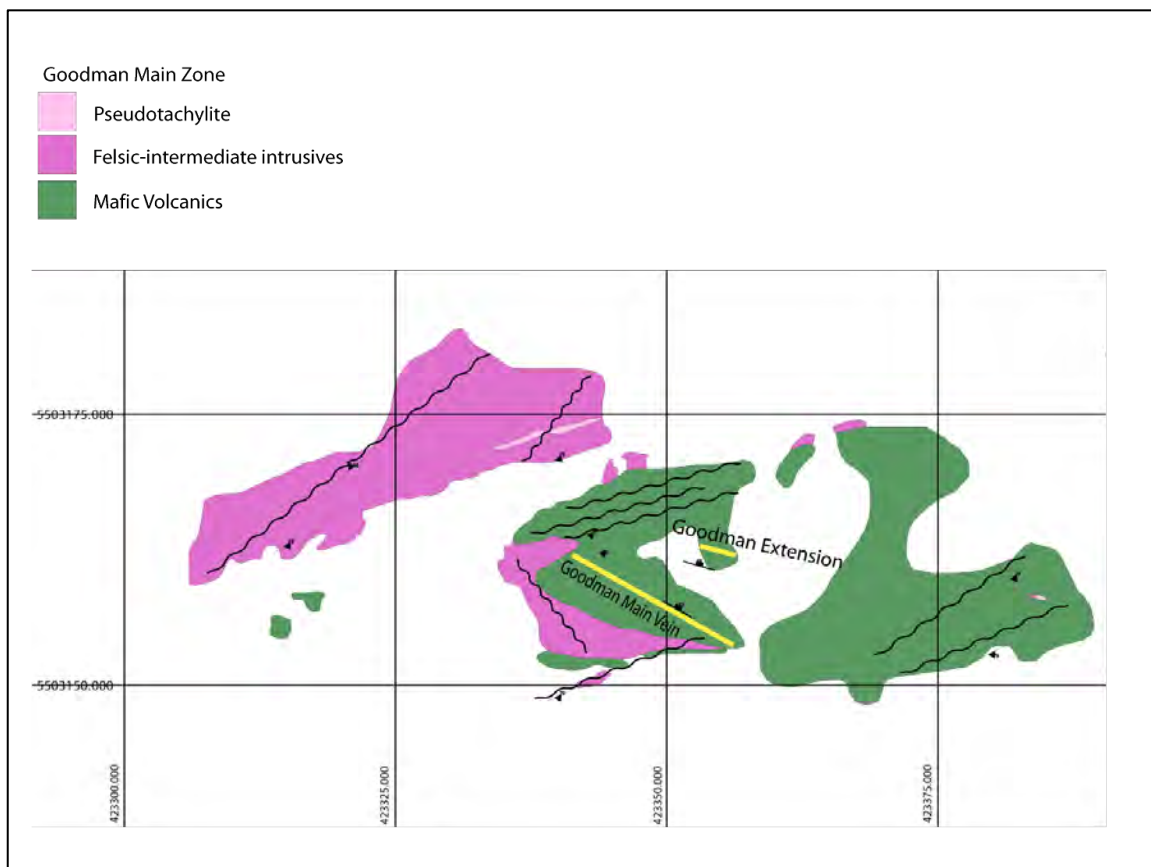


Figure two: Simplified map of the Goodman main zone outline the oblique nature of the high-grade Goodman Main and Extension veins to the dominant shear.

Based on assay data collected between 2015-2020, veins that are deformed and/or oblique to the main shear direction tend to have a higher chance of gold mineralization in areas sampled throughout the 2018-2020 stripping program. Appendix A contains a list highlighting the vein data, including orientation and assay results.

General structural trends

The dominant foliation throughout the Goodman Property generally trends NW-SE (figure 3a, c) and is pulled into a more E-W orientation when in proximity to the main shear (postulated to be S_3). A majority of veining in the property parallels shearing direction (figure 3 a, b). F_3 folding is superimposed onto F_2 folds locally (figure 3d) with mushroom folds present in the eastern portion of the stripped area. S and Z folding is observed throughout the property (Figure 3e, f). Drag folding and is present throughout the property and concentrated along the area around the Goodman Main and Side Vein. Pillow lavas, present in the eastern portion of the property have general westward facing direction. Late dextral movement is evident by the offset diabase dyke present. The detailed mapping from the 2020 program is included in appendix b.

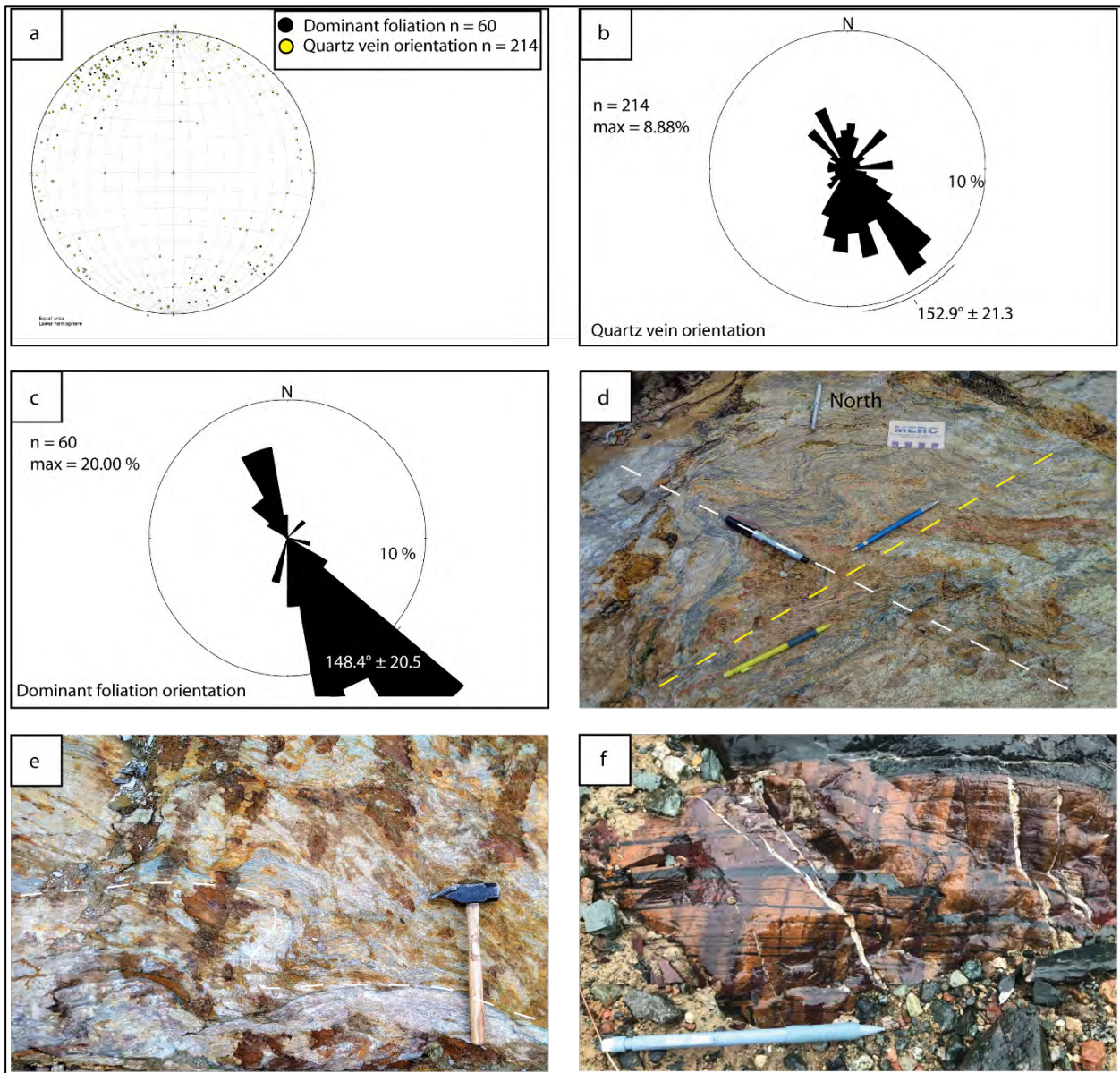


Figure three: Goodman Property Structures. a) Stereonet with dominant foliation and quartz vein orientations. b) Rose diagram displaying distribution of quartz vein strike. C) Rose diagram displaying distribution of dominant foliation orientation. d) Mushroom fold displaying F_3 folds (by pencil, yellow dashes) overprinting F_2 folds (sharpie). e) F_3 z-folding in strongly sheared mafic volcanics. f) Z-folding in iron formation (F_2 ?).

Alteration

Sericite-Ankerite

Yellowish-green sericite alteration is abundant and occurs in zones of moderate to strong shearing in the mafic volcanics (figure 4), intermediate intrusives and sedimentary units. This alteration type consists of white micas, in high concentrations (above 25% when main alteration component). These micas tend to be aligned and define foliation in the mafic volcanic and sedimentary units. Other minerals in this alteration assemblage are ankerite, quartz, chlorite, dolomite and pyrite. In the mafic volcanic rocks, the greatest intensity of sericite alteration occurs in discrete zones that are proximal to the main intermediate intrusions. In the sedimentary units, sericite alteration is pervasive through most of the siltstone, in particular the northernmost extent near the contact with mafic volcanics and in the southernmost extent. The sericite-ankerite alteration is patchy through the sandstone.



Figure four: Sericite alteration. Strong, pervasive sericite alteration proximal to veining in the mafic volcanic unit.

Chlorite alteration

Chlorite alteration occurs in the mafic volcanic, pseudotachylite and siltstone units of the GEZ and is characterized by zones of pervasive chlorite alteration and zones of thin grey-green chlorite stringer veins. Similar to the sericite alteration, the chlorite is well aligned and defines foliation in the mafic volcanic and sedimentary units. Other minerals in this alteration assemblage include pyrite, quartz, ankerite, and sericite. Pyrite is generally present in the most strongly chloritized mafic volcanics while sericite occurs in overlapping alteration zones where the predominant mica changes from chlorite to sericite. A later purplish hematite +/- magnetite coating is present in units that have undergone strong chlorite alteration. In the more silicified mafic volcanics, chlorite rich stockwork veins and stringers are present.

Silica alteration

Greenish grey- grey silicified mafic volcanic and sedimentary rocks represent the least altered units in the GEZ. Other minerals in this alteration type include chlorite and pyrite. This alteration is observed in the least sheared mafic volcanic and siltstone units and is attributed to regional metamorphism. Strongly silicified (>40% silica) mafic volcanic rocks were uncovered in the easternmost portion of the 2020 stripping program (figure 5). These units are of interest as they make be a component of a sil-py alteration zone making them excellent candidates for whole rock geochemistry to evaluate this.



Figure five: Silica alteration. Contact between sericite-ankerite (bottom) and silica-pyrite (top) altered mafic volcanic rocks.

Potassic alteration

Pinkish-red altered zones occur in the intrusive units. This alteration type is characterized by fine grained K-feldspar +/- hematite.

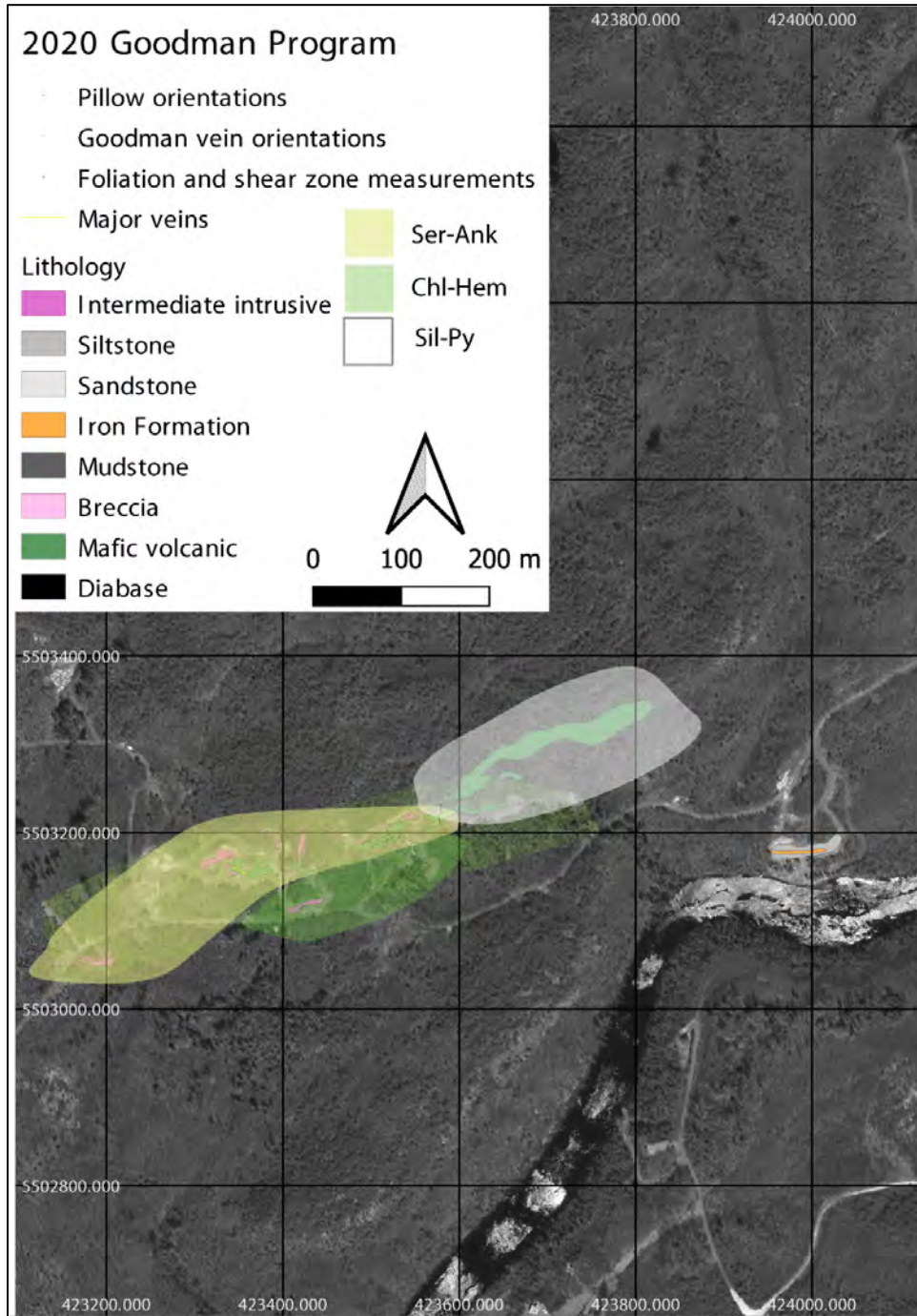


Figure six: Alteration zones. Generalized alteration zones present in the Goodman Property. Sericite-ankerite, chlorite-hematite, and sil-py dominate the area.

Carbonate Stain

Carbonate stain was prepared using the methods outlined by Poulsen, 2014. Stain was applied to quartz veins throughout the 2018-2020 Goodman Stripping area, including the Goodman main vein, and vein sets in the Goodman East Zone and the eastern extension of this zone. In all cases, the quartz veins were moderately to strongly stained a deep blue, indicating ankerite and/or ferroan dolomite. Carbonate staining indicated a variation between moderate selective ankerite/ferroan dolomite and strong pervasive ankerite/ferroan dolomite. (Figure 7).

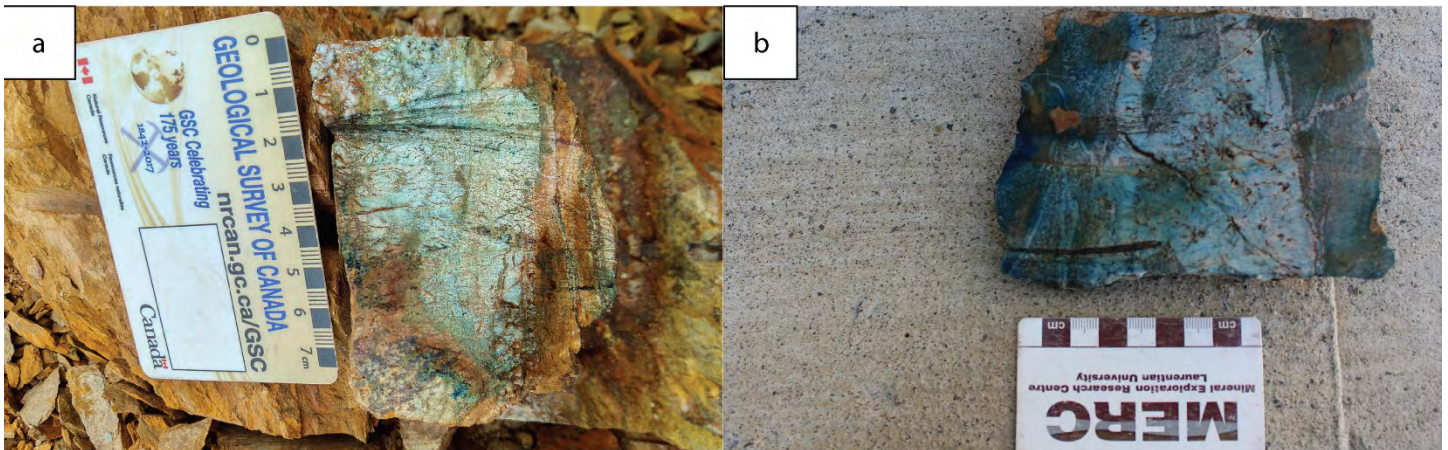


Figure seven: Carbonate staining. a) Moderate selective staining of a quartz vein in the Goodman East Zone. b) Strong, pervasive staining of the Goodman Main vein.

Recommendations:

The observations made during the 2020 field season in addition to previous work completed in 2018 warrant additional work on the Goodman Property. Prior to drilling, further effort should be concentrated on constraining the known gold bearing deformed and shear-oblique veins as well as continued exploration for additional high-strain zones throughout the property with similarly deformed shear oblique veins. The newly uncovered heavily silicified mafic volcanic unit could be a component of a sil-py alteration halo and warrants geochemical analysis. These objectives could be achieved through:

- Geochemical sampling and vectoring utilising pathfinder elements as detailed in Toth 2020.
- Strain evaluation and detailed structural analysis across the property through a series of N-S transects to constrain shear bands, with the assistance of a structural geologist familiar with the Beardmore-Geraldton Greenstone Belt.

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Appendix A: Vein Sample Locations, Assay Results, And Orientations

NO	DATE	TYPE (C-cm)	LOCATION		DESCRIPTION	Vein orientation/ 2020 description	Au
			EASTING	NORTHING			(ppm)
2	06/22/16	C-30	423320	5503166	chlrt altrd grndrt, bluish stckwrk, bluish Qv, minor fgnd py - 1%, 1 of 1	Shear parallel, gossanous qtz-carb-py vein, 1-3 cm wide, discontinuous	0.148
3	06/22/16	C-45	423320	5503166	chlrt altrd grndrt, bluish stckwrk, bluish Qv, minor fgnd py - 1%, 1 of 2	Shear parallel, gossanous qtz-carb-py vein, 1-3 cm wide, discontinuous	0.150
4	06/22/16	C-57	423322	5503171	chlrt altrd grndrt, bluish stckwrk, bluish Qv, minor fgnd py - 1%, 1 of 3	<0.5 cm shear parallel qtz-carb veins in ser altered int intr.	0.372
5	06/22/16	C-48	423322	5503171	chlrt altrd grndrt, bluish stckwrk, bluish Qv, minor fgnd py - 1%, 1 of 4	<0.5 cm shear parallel qtz-carb veins in ser altered int intr.	0.265
6	06/22/16	G	423324	5503170	chlrt altrd grndrt, bluish stckwrk, bluish Qv, minor fgnd py - 1%, 1 of 5	Shear parallel gossanous qtz-carb vein, discontinuous	0.343
7	06/22/16	C-46	423333	5503170	dssmntd fgnd py 2-3%	Discontinuous folded veins (no measurable direction) cut by later < 0.5 cm shear parallel veins. Carb	0.613
8	06/22/16	C-40	423339	5503174	chlrt altrd grndrt, rusty at srfc, bluish stckwrk bluish Qv, 1% fgnd py, 1 of 1	Discontinuous shear parallel qtz-carb-py veining in sericite altered int intrusive.	0.276
10	07/04/16	C-35	423257	5503142	grndrt, random scrrd mb frctr fills, few narrow Qv, minor py, 2 of 5	<0.5 cm discontinuous qtz-carb-veins in heavily sheared MV.	0.054
12	07/04/16	C-33	423257	5503142	some minor py & cp, 4 of 5	Slightly deformed, discontinuous shear parallel veins in int. intr.	0.013
16	07/05/16	C-44	423343	5503155	Cp w/ minor py	Slightly deformed, discontinuous shear parallel veins in int. intr.	0.014
17		C			Grammer, 1 of 1	Shear parallel undeformed qtz-carb-py vein, continuous.	
18	07/05/16	G	423344	5503157	same vein & description as sample 19	Relatively undeformed qtz-carb veining oblique to shear.	9.190
19	07/05/18	G	423345	5503168	contacts & great fills	2 cm wide vein trending oblique to foliation, slightly deformed 075/80. Qtz-carb-py vein.	6.400
20	07/05/16	C-24	423345	5503158	brecciated QV w/ greenish vlcncs, 1 of 1 (Goodman vein)	Part of Goodman Vein, undeformed, continuous veing trending oblique to foliation 120/82 (shear 320 deg). Stain: dark blue-purple, ankerite. Very localised.	3.200
21	07/05/18	C-58	423343	5503165	cp blebs, 1 of 2	Deformed, discontinuous veins oblique to foliated MV.	0.022
22	07/05/16	C-53	423343	5503165	massive ht altrd w/ creamy carbonated inclusion, minor py & cp, 2 of 2	Deformed, discontinuous veins oblique to foliated MV.	0.008
23	07/05/16	C-23	423349	5503160	near 20896, abundant greenish altered w/ narrow Qv w/ abundant ap & py, 1 of 1	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	64.300
24	07/05/16	C-20	423349	5503164	whitish waxy Q w/ greenish inclusions - less than sample 023, ap & py, 1 of 2	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	25.800
25	07/05/16	C-25	423349	5503164	greenish altrd granno, few narrow Qv, mainly cp, probably ap, 2 of 2	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	18.990
27	07/05/16	C-30	423353	5503162	same greenish altrd host w/l the whitish waxy	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	15.700

NO	DATE	TYPE (C-cm)	LOCATION		DESCRIPTION	Vein orientation/ 2020 description	Au
			EASTING	NORTHING			(ppm)
28	07/05/16	C-17	423355	5503157	whitish waxy Q, few altrd host inclusions, minor	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	4.800
29	07/05/16	C-42	423357	5503157	ap, visual gold at east side, 1 of 1	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	15.100
30	07/05/16	C-80	423357	5503155	same as sample 29, no visible Au, malachite staining	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	2.020
31	07/05/16	C-140	423358	5503157	wallock south end of Goodman vein, down lit	Shear parallel, small <0.5 cm qtz-carb ± py veining, discontinuous.	0.037
33	07/05/16	G	423373	5503158	visible Au Q veining w/ altrd host, abundant py, possible ap	Oblique to shear, multiple folds. Shear ~62 deg. Veining ~ 110 deg.	79.000
34	07/05/16	G	423396	5503179	mafic dense vlcncs, dssmtd cp & py	Shear oblique qtz-carb vein in silicified mafic volcanics. Relatively undeformed and continuous, trending 108 deg. Shear roughly 72 deg.	0.145
37	07/05/16	G	423520	5503205	whitish waxy Q, narrow seams & patches py, possibly fine ap & po	Same vein as 449010. Two boreholes and blast sample from 2020 intersect this vein as well.	43.200
449008	08/08/16	G	423418	5503110	stripping beside road, whitish waxy QV, seams & patches fgnd py 2-3%	Qtz-carb-py vein trending oblique to shear. Vein 100 deg. Shear ~ 68 deg. Vein pinches and swells and is moderately deformed.	0.900
449009	08/08/16	G	423414	5503111	whitish waxy QV / seams of fgnd py	Relatively undeformed qtz-carb-py vein oblique to shear ~314 deg.	1.200
449010	07/25/18	G	423521	5503203	greyish siliceous vlcnx w/ narrow Qv stckwrk, sporadic py & cp	Qtz- ank-py vein oblique to shear, boudinaged and deformed. Shear: 60 deg, vein: 285 deg.	0.440
449011	07/25/16	G	423520	5503203	Q-C small lense, minor greenish inclusions, scattered patches of semi-coarse py	Qtz-ank-py vein oblique to shear, boudinaged and deformed. Shear: 60 deg, vein: 12 deg.	3.500
449012	07/25/16	G	423524	5503207	moderately sheared, highly siliceous vlcnx w/ patches of fgnd py	Qtz-carb vein moderately deformed, generally trending 310 deg.	0.900
449013	07/25/16	G	423527	?	Q-C v w/ channel, patch fgnd py w/ lesser scattered cp blebs	Qtz-carb vein moderately deformed, generally trending 310 deg.	2.500
449016	08/18/01	G	423529	5503216	breccia whitish to bluish Q w/ shrd altrd granitic incls, abundant py semi-coarse to fgnd	Vein oblique to foliation trending 310 deg.	5.100
449017	08/18/16	G	423541	5503216	whitish to bluish Q dssmtd semi-coarse py possibly ap	Moderately deformed vein trending ± parallel to foliation, boudinaged Qtz-ank-py veining.	0.110
449018	08/18/16	G	423543	5503217	ap 2-3%	Boudinaged shear parallel qtz-carb-py vein.	0.790
449020	08/18/16	G	423546	5503222	loose piece dug up, whitish waxy Q, py in fracture fills & some patches - 1%	Boudinaged shear parallel qtz -carb vein in sheared int. intr (grab sample).	1.800
449021	09/01/16	G	423529	5503212	ap, 2-3% sulphides	Boudined vein parallel to foliation at contact between mafic volcanics and intermediate intrusives.	7.500
449022	09/01/16	G	423529	5503212	mainly along fractures	Boudined vein parallel to foliation at contact between mafic volcanics and intermediate intrusives.	0.220

NO	DATE	TYPE (C-cm)	LOCATION		DESCRIPTION	Vein orientation/ 2020 description	Au
			EASTING	NORTHING			(ppm)
449023	09/01/16	G	423527	5503203	& patches 2-3%	Discontinuous but undeformed wide Qtz-carb-py vein trending ~ N-S. Oblique to foliation.	0.800
449027	09/13/16	G	423476	5503194	of hill, fgnd mb	Deformed Qtz-carb vein oblique to shear (too deformed for meaningful measurement)	0.200
449051	06/04/20	?	423357	5503165	Goodman side vein	~20 cm wide Qtz-ank-py vein, oblique to foliation in chl altered mafic volcanics. Vein trends 106/79	4.24
449055	06/19/20	G	423565	5503217	West side of GEZ - whitish crack-seal quart w/ ??? & silvery py	Shear parallel 20 cm wide extensional vein 260/80, at contact between int intr and MV.	0.048
449056	06/19/20	C-50	423571	5503220	A bit east of above	Folded & deformed veins trending oblique to ~ 54 deg shear	0.053
449057	06/19/20	C-48	423571	5503220	Second half of above channel	Folded & deformed veins trending oblique to ~ 54 deg shear	0.034
449058	06/19/20	G	423585	5503225	Pale green to black altrd vlcnc, fgnd dssmtd cp w/ lesser py, 1-2%	Shear parallel Qtz-py-ank vein in ser altered mafic volcanics.	0.238
449059	06/19/20	G	423606	5503223	3" wide highly fractured whitish Qtz w/ coarse blebs cp	Shear parallel, 4 cm extensional vein, undeformed. 225/70. Near contact between heavily silicified MV and ser-ank sheared MV.	0.046
449060	06/19/20	G	423612	5503225	sil-chlt altrd vlcnc w/ dssmtd cp, minor py, mdrty sheared	Shear parallel veins, boudinaged. 1-2 cm wide 060/90	0.185
449061	06/19/20	G	423625	5503227	crss-ctng Qtz vn, mix of py & cp	Discontinuous Qtz-carb vein trending ~018/40 in strongly silicified MV. (Oblique to shear).	1.9
449062	06/19/20	C-30	423628	5503225	crss-ctng banded IF w/ 1 Qtz band, py throughout >2%	BIF samples "veining" is likely silicified beds 180/75	0.017
449063	06/19/20	C-25	423628	5503225	minor py w/ Qtz, W side of FeFm	BIF samples "veining" is likely silicified beds 180/75	0.003
449064	06/19/20	G	423628	5503226	grayish Qtz w/ fgnd dssmtd py w/ scrted larger blebs	BIF samples "veining" is likely silicified beds 180/75	0.058
449065	06/19/20	C-30	423631	5503226	slcfd vlcnc, dssmtd py & cp	Channel cut of mafic volcanic/metased. Bx. Veining is deformed with a general trend oblique to shear. 5% Py around vein kinks.	0.463
449066	06/19/20	C-58	423631	5503226	as above, less slcfd but for a couple of stringers	Channel cut of mafic volcanic/metased. Bx. Veining is deformed with a general trend oblique to shear. 5% Py around vein kinks.	0.021
449067	06/19/20	G	423633	5503228	pale to darker greenish vlcnc w/ errtc narrow Qtz strngs w/ >2% cp, +/- py, mb	Thin, 0.5-1.0 cm veins trending parallel to foliation (070/45)	0.219
449068	06/19/20	G	423628	5503226	pale green mfc vlcnc mdrty shearing & altrn, mb along shear planes	Gossanous Qtz-carb vein oblique to shear in MV-metased. Bx. 234/60. Gn (2 cm flakes) and Cpy min (<0.5 cm specks along vein walls) present.	0.071

NO	DATE	TYPE (C-cm)	LOCATION		DESCRIPTION	Vein orientation/ 2020 description	Au
			EASTING	NORTHING			(ppm)
449069	06/19/20	C-30	423638	5503227	greenish vlcnx w/ a few narrow qtz strngs	2 cm wide quartz vein (no carb) oblique to shear 054/74. Channel cut intersects mafic volcanic-metased breccia.	0.004
449070	06/19/20	G	423637	5503229	pale green vlcnx w/ some qtz breccia w/ very minor py & cp	Part of main quartz vein trending parallel to shear in breccia unit. 250/64	0.012
449071	06/19/20	C-41	423651	5503230	chlrt-srct altrd vlcnx, inclns of qtz w/ minor fngnd cp	1 cm vein splay fom large quartz vein intersected by channel cut. Vein trends 285/45, oblique to major shear	0.061
449072	06/19/20	C-46	423651	5503230	frctrd qtz, banded chlrt in places, srct-altrd, minor py & cp	Channel cut through 46 cm wide vein trending parallel to shear 250/64	0.023
449073	06/19/20	C-46	423651	5503230	pale green (srctzd) mfc vlcnx w/ minor py & cp	Portion of vein mentioned above, intersects strongly silicified mafic volcanics	0.013
449074	06/19/20	G	423651	5503230	rusty mfc vlcnc w/ mssv py 5% (S of 449071)	Late extensional quartz vein , undeformed trending parallel to shearing at 250/64	0.076
449075	06/19/20	C-43	423435	5503121	4" qtz vn in altrd granite, very very little slfd	<0.5 cm wide shear parallel qtz ± ank in ser-ank altered mafic volcanics	0.003
449076	06/19/20	C36	423435	5503121	altrd green rock	<0.5 cm wide shear parallel qtz ± ank in ser-ank altered mafic volcanics	0.004
449077	06/19/20	C-46	423412	5503114	qtz strngs w/ chlrt w ankrt, fngnd dssmntd py	Boudinaged shear parallel qtz-carb-py vein.	0.204
449078	06/19/20	C-23	423209	5503058	white qtz w/ chlrt seams, very minor slfds	Thin, <0.5 cm- 2 cm shear parallel veins in ser-ank altered tonalite and tectonic breccia.	0.047
449085	06/24/20	G	423497	5503182	Whitish well-frctrd qtz w/ blebs py mainly in qtz and along contact	Moderately deformed vein trending oblique to shear. Shear ~ 60 deg, vein trends 148 deg.	4.31
449086	06/24/20	G	423520	5503190	Pale green shrd vlcnx w/narrow, erratic qtz strngr, 1-2% py+cp blebs & mssv py	Shear parallel 1-2 cm qtz-ank± py veins in sericitized mafic volcanic.	24.4
449087	06/24/20	G	423532	5503198	pale green shrd vlcnx w/ qtz strngs, py along frctr planes	Qtz-ank ± py vein. Discontinuous but relatively undeformed trending oblique to foliation (vein: 178 deg).	2.16
449088	06/24/20	G	423343	5503178	altrd mfc w/ py and silvery slfd	Shear parallel qtz-carb-py veining, boudinaged and discontinuous. Hosted in int intr unit near contact with breccia. Ser altered. Blue carbonate stained.	0.415
449089	06/24/20	G	423356	5503165	Goodman side vein (more sulfds than 449051)	~20 cm wide qtz-ank-py vein, oblique to foliation in chl altered mafic volcanics. Vein trends 106/79	117
790601	08-20-18	Q	423523	5503193	QV3, 90/65N, 3-5 cm, dscnts, Qv, <1% py fngnd in cntct w/ s-c-S wlr	Vein fragment oblique to shear (shear 45 deg, vein 78 deg)	0.187

NO	DATE	TYPE (C-cm)	LOCATION		DESCRIPTION	Vein orientation/ 2020 description	Au
			EASTING	NORTHING			(ppm)
790602	08/20/18	R			Ln 4, 12.8-13.6 m, as abv, Qv invading oblique to shear	Vein oblique to foliation ~ 110 deg. Relatively continuous	0.019
790699	08/20/18	R	423524	5503200	Ln 8, QV2, @ 320/90, -4 cm wide, blebby & dscntns blebs py along vn cntcts, cut by svrl shear prill milky-white QV; main vn w/ mxtr of	Vein at high angle to 45 deg shear folded and deformed. Trending roughly 308 deg.	2.1
43	07/05/16	G	423525	5503196	Q veining & altrd host, abundant py & ap	Boudinaged shear parallel vein fragment	2.500
20892	18/06/2015	Grab	423370	5503152	whitish to blueish qtz py w/ asp, asp mainly ass. w/ bluish qtz inclusions 2% sulphides, py throughout w/ coarser py in whitish qtz and finer py in blueish qtz	Oblique to shear, relatively continuous veining, undeformed.	30.000
20893	18/06/2015	Grab	423358	5503152	same as 20892, little mal. Stain, few speaks, bornite	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	10.000
20894	18/06/2015	Grab	423353	5503157	same, but more py-asy, 3-4% sulphides	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	183.000
20895	18/06/2015	Grab	423351	5503159	same qtz, nice py and aspy, 2-3% sulphides	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	27.000
20896	25/06/2015	Grab	423346	5503162	same, nice fine asp in bluish inclusions	5-43 cm wide, undeformed, continuous, qtz-ank-py vein with mv rip-ups along vein edge. Vein trends 120/82 Carb. Staining localised, blue. Oblique to main shear.	33.000

NO	DATE	TYPE (C-cm)	LOCATION		DESCRIPTION	Vein orientation/ 2020 description	Au
			EASTING	NORTHING			(ppm)
20089		C-44	423343	5503172	Northwest Channel - Quartz Diorite, highly brecciated with fragments of quartz/feldspar up to 2 cm wide, fractures filled with Mo and Aspy up to 0.4% Mo and 0.05% As. Strong fracture controlled 4% py, medium grained py and v. Fine, Qtz frags up to 5cm wide grained py in fractures. Trace Cpy in fractures. Green patchy epidote within quartz. Minor milky white quartz veins up to 1cm ductilely deformed through sample. Mainly angular clasts with ~8% medium grained quartz eyes, Late stage rusty fractures cutting all structures moderate foliation at 276/80	Shear parallel veining in tectonic breccia unit, veining boudinaged & discontinuous	0.520
20090		C-44	423343	5503172	Middle - with strong py diss in fractures with coarser up to 1mm wide blebs of pyrite , strongly brecciated with boudinaged quartz epidote veins up to 5mm wide, 5-10% quartz eyes remainder are breccia clasts, fault breccia?? Similar to 289 but 7% fractures	Shear parallel veining in tectonic breccia unit, veining boudinaged & discontinuous	0.490
20091		C-44	423343	5503172	More iron stained less py than 20090, weak to moderate Mo fracture fills, minor bracciAted clasts from 2-5cm with quartz eyes in clasts, py fracture related, mod epidote alteration of quartz clasts 3% pyrite, more strongly iron stained than previous, weaker epidote alteration.	Shear parallel veining in tectonic breccia unit, veining boudinaged & discontinuous	0.390
20094		C-44	423339	5503171	3% py strong Mo in fractures with patchy Mo yellow rust on surface <1% Mo from XRF, strongly fractured with strong ep alt on north part of sample grading to lesser ep to south but stronger Mo Py fractures to south of sample, discontinuous Qtz veins up to 9mm wide trace Py, most py confined to Mo (dark) fractures, med blebs of Mo as well	Shear parallel veining in tectonic breccia unit, veining boudinaged & discontinuous. Carbonate stained blue.	0.320

NUMBER	DATE	TYPE (C-cm)	LOCATION		DESCRIPTION	Au	Ag	As	Cu	Mo	Pb	Sb	Zn
			EASTING	NORTHING									
449051	06/04/20	?	423357	5503165	Goodman side vein	4.24	6.40	69	97	17	81	8	50
449052	06/04/20	C-?	423355	5503160	Water hole - channel, south side, py & cp in frctrd slcfd intrsv	0.67	338.00	488	2,810	995	223	1,180	708
449053	06/04/20	C-?	"	"	Water hole - channel, N side, as abv, intrns ankr-srct-slc altrn in intrsv w/ py & mb	0.32	28.10	48	333	258	32	85	92
449054	06/04/20	G	"	"	As abv, hot spot of svrl % cp in 1/2" wide qtz vn, py w/ mb in frctrs in shrd intrsv	0.98	670.00	100	1,540	2,170	224	555	1,190
449055	06/19/20	G	423565	5503217	West side of GEZ - whitish crack-seal quart w/ ??? & silvery py	0.05	1.90	133	40	13	4	9	23
449056	06/19/20	C-50	423571	5503220	A bit east of above	0.05	<0.5	15	17	9	2	3	13
449057	06/19/20	C-48	423571	5503220	Second half of above channel	0.03	<0.5	140	26	13	2	4	18
449058	06/19/20	G	423585	5503225	Pale green to black altrd vlcnc, fgnd dssmntd cp w/ lesser py, 1-2%	0.24	22.10	50	10,100	71	17	936	352
449059	06/19/20	G	423606	5503223	3" wide highly fractured whitish qtz w/ coarse blebs cp	0.05	1.20	137	1,730	17	6	6	49
449060	06/19/20	G	423612	5503225	sil-chlt altrd vlcnc w/ dssmntd cp, minor py, mdrtly sheared	0.19	3.40	507	3,180	113	13	21	104
449061	06/19/20	G	423625	5503227	crss-cttng qtz vn, mix of py & cp	1.90	122.00	163	55,500	15	707	1,510	213
449062	06/19/20	C-30	423628	5503225	crss-cttng banded IF w/ 1 qtz band, py throughout >2%	0.02	0.80	29	4,500	4	22	26	50
449063	06/19/20	C-25	423628	5503225	minor py w/ qtz, W side of FeFm	0.00	<0.5	53	185	24	1	4	111
449064	06/19/20	G	423628	5503226	grayish qtz w/ fgnd dssmnt py w/ scctrd larger blebs	0.06	1.70	101	2,430	108	8	10	87
449065	06/19/20	C-30	423631	5503226	slcfd vlcnc, dssmnt py & cp	0.46	11.90	37	25,800	50	46	14	110
449066	06/19/20	C-58	423631	5503226	as above, less slcfd but for a couple of stringers	0.02	0.60	70	3,310	47	10	13	155
449067	06/19/20	G	423633	5503228	pale to darker greenish vlcnc w/ errtc narrow qtz strngrs w/ >2% cp, +/- py, mb	0.22	5.90	34	2,940	74	8	8	99
449068	06/19/20	G	423628	5503226	pale green mfc vlcnc mdrt shearing & altrn, mb along shear planes	0.07	1.60	23	219	794	8	11	60
449069	06/19/20	C-30	423638	5503227	greenish vlcnc w/ a few narrow qtz strngrs	0.00	<0.5	17	165	72	<1	6	145
449070	06/19/20	G	423637	5503229	pale green vlcnc w/ some qtz breccia w/ very minor py & cp	0.01	<0.5	77	214	59	<1	7	78
449071	06/19/20	C-41	423651	5503230	chl-srct altrd vlcnc, inclns of qtz w/ minor fgnd cp	0.06	1.60	67	197	221	<1	9	77
449072	06/19/20	C-46	423651	5503230	frctrd qtz, banded chlrt in places, srct-altrd, minor py & cp	0.02	1.90	921	182	66	2	10	38
449073	06/19/20	C-46	423651	5503230	pale green (srctzd) mfc vlcnc w/ minor py & cp	0.01	<0.5	746	562	53	<1	18	112
449074	06/19/20	G	423651	5503230	rusty mfc vlcnc w/ mssv py 5% (S of 449071)	0.08	2.00	355	5,130	14	13	17	206
449075	06/19/20	C-43	423435	5503121	4" qtz vn in altrd granite, very very little slfd	0.00	<0.5	154	44	2	<1	16	69
449076	06/19/20	C36	423435	5503121	altrd green rock	0.00	<0.5	428	45	2	<1	10	35
449077	06/19/20	C-46	423412	5503114	qtz strngrs w/ chlrt w ankrt, fgnd dssmntd py	0.20	2.80	14	134	22	13	32	24
449078	06/19/20	C-23	423209	5503058	white qtz w/ chlrt seams, very minor slfds	0.05	<0.5	37	155	29	1	16	85
449079	06/19/20	C-68	423209	5503058	chr-srct altrd intnsly shrd vlcnc w qtz strngrs	0.01	<0.5	70	95	20	<1	8	65
449080	06/19/20	C-71	423209	5503058	As abv	0.04	0.90	34	274	195	1	23	55
449081	06/19/20	C-63	423209	5503058	As abv	0.04	<0.5	23	351	56	<1	7	42
449082	06/19/20	C-68	423209	5503058	Altrd granite, shrd, very little py or xp	0.08	0.90	17	787	130	<1	10	38
449083	06/19/20	C-51	423209	5503058	As abv w/ rounded qtz eye inclns	0.01	<0.5	77	84	38	<1	9	70
449084	06/19/20	C-53	423201	5503061	As abv	0.01	<0.5	67	100	21	<1	7	64
449085	06/24/20	G	423497	5503182	Whitish well-frctrd qtz w/ blebs py mainly in qtz and along contact	4.31	3.70	921	138	10	79	13	48
449086	06/24/20	G	423520	5503190	Pale green shrd vlcnc w/narrow, erratic qtz strngr, 1-2% py+cp blebs & mssv py	24.40	428.00	746	1,030	1	329	29	68
449087	06/24/20	G	423532	5503198	pale green shrd vlcnc w/ qtz strngrs, py along frctr planes	2.16	6.80	355	96	5	25	14	42
449088	06/24/20	G	423343	5503178	altrd mfc w/ py and silvery slfd	0.42	2.50	154	47	525	20	22	7
449089	06/24/20	G	423356	5503165	Goodman side vein (more sulfds than 449051)	117.00	33.60	428	179	21	161	9	40
449090	06/24/20	G	424373	5503623	fgnd dark blue-black dyke	0.15	0.60	14	435	13	36	34	70

NUMBER	DATE	TYPE (C-cm)	LOCATION		DESCRIPTION	Au	Ag	As	Cu	Mo	Pb	Sb	Zn
			EASTING	NORTHING									
449091	08/09/20	G	423357	5503165	Goodman side vein	2.54	6.90	295	54	16	82	6	21
449092	08/10/20	G	421819	5503340	Hopkins hi-grade zone: whitish qtz, slightly brctd some py + ap, up to10%	55.20	39.30	12,100	43	2	37	27	83
449093	08/10/20	G	421651	5503317	Hopkins low-grade: whitish crack-seal veinlet 2-3" wide w/ py infill	9.37	15.30	198	83	9	16	5	12
449094	08/10/20	G	421651	5503317	As abv	1.46	4.90	176	90	15	26	<1	14
449095	08/10/20	G	421651	5503317	As abv, qtz-mfc vlcx 1% py dssmtd throughout; loose from bttm of trench	1.43	8.00	109	715	16	79	2	31
449096	08/12/20	C-50	423618	5503228	mfc vlcx, mstly brnn qvnltd folded w/ cp blebs & fnly dssmtd py throughout, GEZ	0.01	<0.5	45	52	14	<1	5	91
449097	08/12/20	C-50	"	"	less folded, as abv, qtz stckwor, mstly brnn, finly dssmtd py in basalt, GEZ	0.01	<0.5	24	30	19	<1	<1	81
449098	08/12/20	C-65	"	"	as abv, minor py, GEZ	0.03	0.60	37	2,030	21	3	8	85
449099	08/12/20	C-80	423620	5503225	mfc vlcx, gossaned srfc, intnsly slcfd	0.02	<0.5	23	549	23	<1	1	120
449100	08/12/20	C-40	"	"	as abv	0.01	<0.5	9	385	40	<1	1	80
1078954	08/13/20	G	425057	5504104	Old-New vn, main pit, N shear face, intnsly shrd, srct-chlrt altrd, py along frctrs	0.42	18.40	213	38	<0.5	145	6	75
1078955	08/13/20	G	425057	5504100	as abv, banded bluish to white qtz, fnly dssmtd, py & gl	0.68	>100	372	151	<0.5	2,260	54	4,540
1078956	08/12/20	G	425050	5504100	as abv	1.18	>100	536	184	<0.5	2,030	44	4,070
1078957	08/10/20	G	423320	5502950	W of water hole, QV w/ py	0.09	<0.5	59	81	1	3	9	65
1078958	08/10/20	G	422903	5502907	as abv, rusty, vuggy cubic py in vugs, Cu staining	3.11	1.40	65	31	12	5	<1	12
1078959	08/10/20	G	422903	5502907	as abv, mdrtly shrd, pale green vlcx, minor py	0.04	<0.5	36	133	1	<1	2	98
1078960	08/15/20	G	425076	5504078	Old-New, E pit, S shear, mfc vlcx, fn silvery py	0.02	0.60	25	135	<0.5	<1	3	22
1078961	08/15/20	G	424999	5504069	Old-New, W pit, N shr, dense bluish qtz w/ fn silvery py	0.04	1.00	59	595	<0.5	35	12	73
1078962	-	-	-	-	-	NSR	NSR	NSR	NSR	NSR	NSR	NSR	NSR
1078963	08/12/20	C-40	423620	5503225	GEZ, shrd, gssnd mfc vlcx w/ slcfd prtns, fn dssmtd py, minor cp	0.02	<0.5	54	616	21	<1	4	128
1078964	08/12/20	C-60	"	"	as abv	0.02	<0.5	11	148	11	<1	<1	134
1078965	08/12/20	C-55	423219	5503228	GEZ, as abv but a few later whipsy Qvnlts	0.01	<0.5	95	83	5	<1	4	110
1078966	08/12/20	C-62	"	"	GEZ, shrd mfc vlcx, intnsly slcfd, later vnlt, sttrd cubic py, minor cp	0.00	<0.5	50	75	21	<1	3	134
1078967	08/12/20	C-47	"	"	as abv	0.01	<0.5	17	669	17	2	2	97
1078968	08/12/20	C-77	423612	5503222	GEZ mfc vlcx, slcfd, Q breccia, py-cp along vlcx-Q contact	0.00	<0.5	12	73	46	<1	<1	127

CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Avrom Howard, Herb Goodman

PROJECT:

AGAT WORK ORDER: 20B617566

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Jul 08, 2020

PAGES (INCLUDING COVER): 24

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: 20B617566

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(200-) Sample Login Weight

DATE SAMPLED: Jun 24, 2020 DATE RECEIVED: Jun 25, 2020 DATE REPORTED: Jul 08, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
449051 (1223388)		1.25
449052 (1223389)		3.89
449053 (1223390)		2.40
449054 (1223391)		.97
449055 (1223392)		.96
449056 (1223393)		3.20
449057 (1223394)		3.03
449058 (1223395)		1.61
449059 (1223396)		1.98
449060 (1223397)		1.44
449061 (1223398)		.96
449062 (1223399)		2.95
449063 (1223400)		2.32
449064 (1223401)		1.10
449065 (1223402)		2.18
449066 (1223403)		3.45
449067 (1223404)		1.64
449068 (1223405)		1.63
449069 (1223406)		2.21
449070 (1223407)		1.74
449071 (1223408)		2.71
449072 (1223409)		2.72
449073 (1223410)		3.39
449074 (1223411)		1.20
449075 (1223412)		3.59
449076 (1223413)		2.12
449077 (1223414)		4.09
449078 (1223415)		2.41
449079 (1223416)		5.41
449080 (1223417)		4.84
449081 (1223418)		3.19

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AGAT WORK ORDER: 20B617566

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(200-) Sample Login Weight

DATE SAMPLED: Jun 24, 2020 DATE RECEIVED: Jun 25, 2020 DATE REPORTED: Jul 08, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
449082 (1223419)		5.29
449083 (1223420)		3.34
449084 (1223421)		4.49
449085 (1223422)		1.15
449086 (1223423)		.93
449087 (1223424)		1.38
449088 (1223425)		.96
449089 (1223426)		1.52
449090 (1223427)		1.07

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 24, 2020	DATE RECEIVED: Jun 25, 2020		DATE REPORTED: Jul 08, 2020		SAMPLE TYPE: Rock									
Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
449051 (1223388)	6.4	0.60	191	41	<0.5	6	0.05	<0.5	5	14.5	324	96.7	3.77	<5
449052 (1223389)	>100	4.80	484	291	0.7	48	0.09	14.3	32	52.3	383	2810	4.05	13
449053 (1223390)	28.1	6.10	206	406	1.1	7	0.42	0.9	36	10.9	232	333	2.19	16
449054 (1223391)	>100	4.90	673	313	0.6	24	0.09	21.4	29	34.0	395	1540	6.46	11
449055 (1223392)	1.9	1.37	29	62	<0.5	<1	2.11	<0.5	6	19.6	305	40.1	2.53	<5
449056 (1223393)	<0.5	1.52	16	78	<0.5	<1	1.26	<0.5	7	6.3	201	16.7	1.73	<5
449057 (1223394)	<0.5	1.65	19	82	<0.5	<1	2.29	<0.5	8	5.0	231	25.8	2.46	<5
449058 (1223395)	22.1	5.88	1060	103	1.0	<1	3.33	<0.5	20	53.9	328	>10000	15.9	5
449059 (1223396)	1.2	1.29	21	18	<0.5	<1	1.54	<0.5	11	18.5	354	1730	4.18	<5
449060 (1223397)	3.4	4.63	208	159	0.8	<1	6.10	<0.5	10	53.9	216	3180	10.8	7
449061 (1223398)	>100	0.43	484	26	<0.5	323	0.04	<0.5	11	31.2	346	>10000	10.9	8
449062 (1223399)	0.8	1.74	139	14	0.7	<1	2.62	<0.5	22	47.8	265	4500	24.6	<5
449063 (1223400)	<0.5	4.18	30	65	0.5	<1	1.09	<0.5	23	12.9	273	185	7.17	5
449064 (1223401)	1.7	2.31	69	40	<0.5	<1	3.68	<0.5	22	24.8	211	2430	11.0	<5
449065 (1223402)	11.9	4.11	488	21	<0.5	19	3.14	<0.5	21	61.9	235	>10000	18.2	8
449066 (1223403)	0.6	6.03	48	21	0.7	<1	2.20	<0.5	26	35.3	124	3310	16.5	10
449067 (1223404)	5.9	5.84	100	143	0.9	<1	5.21	<0.5	16	37.9	326	2940	9.89	9
449068 (1223405)	1.6	5.37	133	263	1.0	<1	5.19	<0.5	14	29.4	320	219	7.14	<5
449069 (1223406)	<0.5	6.09	15	80	0.6	<1	2.48	<0.5	27	20.6	206	165	8.50	12
449070 (1223407)	<0.5	7.88	140	317	1.1	<1	5.32	<0.5	10	41.9	328	214	6.97	15
449071 (1223408)	1.6	6.91	50	316	1.2	<1	5.04	<0.5	12	21.0	268	197	6.87	9
449072 (1223409)	1.9	2.98	137	153	0.5	<1	2.07	<0.5	8	14.0	361	182	4.12	<5
449073 (1223410)	<0.5	7.84	507	270	1.3	<1	4.71	<0.5	22	58.7	405	562	9.65	10
449074 (1223411)	2.0	5.82	163	102	<0.5	<1	0.63	<0.5	19	134	394	5130	18.6	22
449075 (1223412)	<0.5	7.39	29	329	0.8	<1	3.51	<0.5	21	15.5	120	44.4	3.36	16
449076 (1223413)	<0.5	7.63	53	384	1.1	<1	4.18	<0.5	25	14.1	141	44.5	3.20	16
449077 (1223414)	2.8	5.41	101	285	1.1	<1	0.82	<0.5	33	7.5	277	134	2.74	14
449078 (1223415)	<0.5	4.83	37	267	1.2	<1	4.58	<0.5	24	14.8	296	155	4.83	11
449079 (1223416)	<0.5	6.94	70	439	1.2	<1	4.31	<0.5	30	19.9	151	95.1	4.11	15
449080 (1223417)	0.9	7.46	34	489	1.3	5	3.18	<0.5	38	13.1	139	274	3.04	15
449081 (1223418)	<0.5	6.67	23	406	1.1	<1	2.81	<0.5	37	8.7	120	351	2.67	15
449082 (1223419)	0.9	6.60	17	237	0.8	10	2.24	<0.5	34	5.1	115	787	2.60	13

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AGAT WORK ORDER: 20B617566

PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 24, 2020	DATE RECEIVED: Jun 25, 2020							DATE REPORTED: Jul 08, 2020				SAMPLE TYPE: Rock			
Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	
RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5	
449083 (1223420)	<0.5	7.65	77	448	1.0	<1	3.87	<0.5	28	21.7	163	83.9	4.21	15	
449084 (1223421)	<0.5	6.37	67	332	0.8	<1	5.38	<0.5	25	17.1	151	99.8	4.28	13	
449085 (1223422)	3.7	1.34	921	81	<0.5	<1	0.40	<0.5	7	7.6	347	138	3.11	<5	
449086 (1223423)	>100	6.78	746	150	1.6	<1	2.70	<0.5	8	83.3	405	1030	12.5	18	
449087 (1223424)	6.8	3.16	355	152	0.9	<1	3.69	<0.5	7	20.9	334	96.2	4.60	<5	
449088 (1223425)	2.5	4.03	154	230	0.8	9	0.69	<0.5	32	5.9	165	46.8	3.28	10	
449089 (1223426)	33.6	2.73	428	139	0.7	<1	0.83	<0.5	15	19.3	308	179	4.77	8	
449090 (1223427)	0.6	0.81	14	116	0.6	<1	2.14	<0.5	17	93.2	111	435	43.0	18	

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 24, 2020	DATE RECEIVED: Jun 25, 2020					DATE REPORTED: Jul 08, 2020					SAMPLE TYPE: Rock				
Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb	
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	
RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1	
449051 (1223388)	<1	0.27	<2	2	0.04	443	17.1	0.03	15.4	30	81	<10	1.82	8	
449052 (1223389)	<1	2.16	14	4	0.06	49	995	0.15	5.3	100	223	61	1.72	1180	
449053 (1223390)	<1	2.76	16	9	0.12	173	258	0.16	7.4	245	32	81	1.12	85	
449054 (1223391)	<1	2.18	12	5	0.05	37	2170	0.16	8.1	72	224	60	2.95	555	
449055 (1223392)	<1	0.52	<2	6	0.71	610	13.0	0.08	21.3	98	4	16	0.35	9	
449056 (1223393)	<1	0.64	2	3	0.43	498	9.2	0.08	8.7	52	2	19	0.12	3	
449057 (1223394)	<1	0.68	3	4	0.69	815	12.5	0.10	8.8	65	2	21	0.08	4	
449058 (1223395)	<1	0.79	5	53	1.75	3220	70.9	0.62	119	605	17	30	0.74	936	
449059 (1223396)	<1	0.12	3	33	0.73	795	17.3	0.07	32.2	129	6	<10	0.79	6	
449060 (1223397)	<1	1.03	<2	75	2.22	2610	113	0.26	75.6	570	13	45	1.30	21	
449061 (1223398)	<1	0.15	<2	3	0.02	104	14.5	0.05	75.1	34	707	<10	8.61	1510	
449062 (1223399)	<1	0.02	3	22	1.21	4860	3.7	<0.01	60.0	209	22	<10	5.40	26	
449063 (1223400)	<1	0.34	8	125	1.55	1660	24.0	0.57	25.0	141	1	13	0.15	4	
449064 (1223401)	<1	0.14	8	54	1.31	5260	108	0.04	24.6	219	8	<10	0.51	10	
449065 (1223402)	<1	<0.01	4	114	2.46	3140	49.6	<0.01	108	407	46	<10	4.16	14	
449066 (1223403)	<1	0.02	5	191	3.33	3050	47.1	0.03	58.5	716	10	<10	2.29	13	
449067 (1223404)	<1	1.20	<2	76	2.02	2320	74.1	0.36	132	693	8	49	0.47	8	
449068 (1223405)	<1	1.91	3	18	1.36	2530	794	0.36	90.6	580	8	75	0.10	11	
449069 (1223406)	<1	0.59	10	132	2.14	1490	71.5	1.33	51.0	403	<1	25	0.05	6	
449070 (1223407)	<1	2.58	<2	48	1.88	1930	58.8	0.47	155	756	<1	103	0.13	7	
449071 (1223408)	<1	2.35	2	38	1.82	2230	221	0.39	122	732	<1	92	0.12	9	
449072 (1223409)	<1	1.09	<2	11	0.59	1220	65.8	0.18	57.7	321	2	34	0.04	10	
449073 (1223410)	<1	2.14	6	64	1.70	2200	53.2	0.54	191	809	<1	81	0.30	18	
449074 (1223411)	<1	0.69	<2	139	1.75	706	14.3	0.12	355	576	13	30	7.92	17	
449075 (1223412)	<1	1.99	8	20	1.15	768	2.4	2.05	39.8	581	<1	74	0.05	16	
449076 (1223413)	<1	2.30	11	18	1.00	813	1.7	1.71	26.6	599	<1	85	0.05	10	
449077 (1223414)	<1	2.34	14	11	0.22	333	21.9	0.35	6.1	217	13	67	1.41	32	
449078 (1223415)	<1	1.85	9	7	1.27	1010	28.5	0.22	73.8	469	1	62	0.06	16	
449079 (1223416)	<1	2.87	12	11	1.54	760	20.4	0.62	81.4	779	<1	101	0.04	8	
449080 (1223417)	<1	3.12	18	11	0.66	592	195	0.53	39.5	516	1	105	0.06	23	
449081 (1223418)	<1	2.67	18	10	0.62	499	55.5	0.69	25.1	391	<1	89	0.05	7	
449082 (1223419)	<1	1.65	16	7	0.55	487	130	2.37	10.6	315	<1	56	0.10	10	

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CLIENT NAME: MISC AGAT CLIENT ON

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 24, 2020	DATE RECEIVED: Jun 25, 2020					DATE REPORTED: Jul 08, 2020					SAMPLE TYPE: Rock				
Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb	
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	
Sample ID (AGAT ID)	RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
449083 (1223420)	<1	2.78	11	10	1.41	874	37.9	1.23	87.1	518	<1	99	0.04	9	
449084 (1223421)	<1	2.10	11	7	1.93	903	20.8	1.49	83.2	411	<1	76	0.05	7	
449085 (1223422)	<1	0.56	<2	5	0.08	737	10.4	0.06	21.8	100	79	13	0.54	13	
449086 (1223423)	<1	3.17	<2	16	1.04	1310	1.1	0.14	131	756	329	113	8.92	29	
449087 (1223424)	<1	1.45	<2	9	1.15	1640	5.1	0.08	63.8	199	25	48	1.59	14	
449088 (1223425)	<1	1.97	14	3	0.09	157	525	0.07	6.3	1040	20	53	2.69	22	
449089 (1223426)	<1	1.37	4	7	0.18	521	20.5	0.05	38.0	230	161	44	3.08	9	
449090 (1223427)	<1	0.09	<2	<1	1.79	2610	12.6	0.13	46.0	61	36	18	7.42	34	

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 24, 2020	DATE RECEIVED: Jun 25, 2020					DATE REPORTED: Jul 08, 2020					SAMPLE TYPE: Rock				
Analyte: Unit: RDL:	Sc ppm 1	Se ppm 10	Sn ppm 5	Sr ppm 1	Ta ppm 10	Te ppm 10	Th ppm 5	Ti % 0.01	Tl ppm 5	U ppm 5	V ppm 0.5	W ppm 1	Y ppm 1	Zn ppm 0.5	
449051 (1223388)	2	<10	<5	6	<10	<10	<5	0.02	<5	<5	13.6	<1	1	50.1	
449052 (1223389)	3	<10	<5	23	<10	<10	<5	0.04	<5	<5	<0.5	<1	9	708	
449053 (1223390)	5	<10	<5	29	<10	<10	<5	0.09	<5	<5	8.9	<1	10	92.3	
449054 (1223391)	2	<10	<5	23	<10	13	<5	0.04	<5	<5	<0.5	7	6	1190	
449055 (1223392)	5	<10	<5	46	<10	<10	<5	0.03	<5	<5	33.5	<1	3	23.3	
449056 (1223393)	2	<10	<5	33	<10	<10	<5	0.03	<5	<5	17.6	<1	3	13.2	
449057 (1223394)	2	<10	<5	49	<10	<10	<5	0.03	<5	<5	18.4	<1	4	17.5	
449058 (1223395)	19	<10	<5	132	<10	11	<5	0.22	<5	<5	122	<1	14	352	
449059 (1223396)	3	<10	<5	31	<10	<10	<5	0.05	<5	<5	23.6	<1	5	48.9	
449060 (1223397)	18	<10	6	107	<10	10	<5	0.14	<5	<5	114	<1	12	104	
449061 (1223398)	2	<10	<5	11	<10	15	<5	<0.01	<5	9	9.5	<1	2	213	
449062 (1223399)	6	<10	<5	44	<10	14	<5	0.04	<5	<5	43.8	<1	8	49.7	
449063 (1223400)	8	<10	<5	31	<10	<10	<5	0.16	<5	<5	50.4	<1	7	111	
449064 (1223401)	6	<10	<5	60	<10	<10	<5	0.07	<5	<5	40.8	<1	10	86.8	
449065 (1223402)	13	<10	<5	50	<10	21	<5	0.14	<5	<5	84.6	<1	10	110	
449066 (1223403)	21	<10	<5	41	<10	12	<5	0.26	<5	<5	138	<1	10	155	
449067 (1223404)	20	<10	9	110	<10	<10	<5	0.17	<5	<5	143	53	12	99.2	
449068 (1223405)	19	<10	<5	100	<10	<10	<5	0.15	<5	<5	105	<1	12	60.1	
449069 (1223406)	13	<10	<5	73	<10	<10	<5	0.24	<5	<5	87.6	<1	9	145	
449070 (1223407)	24	<10	<5	120	<10	<10	<5	0.20	<5	<5	164	<1	12	77.9	
449071 (1223408)	26	<10	<5	109	<10	<10	<5	0.16	<5	<5	147	<1	12	77.2	
449072 (1223409)	14	<10	<5	49	<10	<10	<5	0.11	<5	<5	68.3	<1	9	37.8	
449073 (1223410)	31	<10	6	115	<10	<10	<5	0.22	<5	<5	183	<1	12	112	
449074 (1223411)	20	<10	<5	25	<10	16	<5	0.07	<5	14	139	<1	8	206	
449075 (1223412)	13	<10	<5	109	<10	<10	<5	0.24	<5	<5	82.9	<1	10	69.4	
449076 (1223413)	14	<10	<5	106	<10	<10	<5	0.24	<5	<5	89.0	3	9	35.0	
449077 (1223414)	4	<10	<5	35	<10	<10	<5	0.10	<5	<5	21.7	<1	10	24.3	
449078 (1223415)	11	<10	<5	122	<10	<10	<5	0.08	<5	<5	63.2	<1	14	84.8	
449079 (1223416)	15	<10	<5	117	<10	<10	<5	0.17	<5	<5	95.7	<1	10	64.6	
449080 (1223417)	9	<10	<5	83	<10	<10	<5	0.15	<5	<5	50.8	7	11	54.8	
449081 (1223418)	7	<10	<5	74	<10	<10	<5	0.13	<5	<5	38.8	3	11	41.6	
449082 (1223419)	5	<10	<5	79	<10	<10	<5	0.11	<5	<5	24.7	2	10	38.0	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20B617566

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: Avrom Howard, Herb Goodman

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 24, 2020	DATE RECEIVED: Jun 25, 2020					DATE REPORTED: Jul 08, 2020					SAMPLE TYPE: Rock				
Analyte: Unit: RDL:	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	
Sample ID (AGAT ID)	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5	
449083 (1223420)	17	<10	<5	100	<10	<10	<5	0.12	<5	<5	102	<1	9	70.1	
449084 (1223421)	13	<10	<5	124	<10	<10	<5	0.11	<5	<5	85.0	<1	11	63.6	
449085 (1223422)	4	<10	<5	12	<10	<10	<5	0.04	<5	<5	26.2	<1	4	48.2	
449086 (1223423)	29	<10	<5	88	<10	<10	<5	0.23	<5	12	200	5	11	68.1	
449087 (1223424)	15	<10	<5	69	<10	<10	<5	0.09	<5	<5	90.7	461	7	41.7	
449088 (1223425)	2	<10	<5	36	<10	<10	<5	0.03	<5	<5	<0.5	<1	12	7.1	
449089 (1223426)	7	<10	<5	14	<10	<10	<5	0.10	<5	<5	43.6	<1	5	39.5	
449090 (1223427)	7	<10	<5	3	<10	40	<5	0.06	<5	22	44.5	<1	8	69.6	

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 24, 2020 DATE RECEIVED: Jun 25, 2020 DATE REPORTED: Jul 08, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:	ppm
	Zr			
				5
449051 (1223388)				<5
449052 (1223389)				59
449053 (1223390)				76
449054 (1223391)				68
449055 (1223392)				14
449056 (1223393)				29
449057 (1223394)				32
449058 (1223395)				53
449059 (1223396)				23
449060 (1223397)				33
449061 (1223398)				6
449062 (1223399)				33
449063 (1223400)				60
449064 (1223401)				45
449065 (1223402)				61
449066 (1223403)				56
449067 (1223404)				56
449068 (1223405)				34
449069 (1223406)				76
449070 (1223407)				44
449071 (1223408)				45
449072 (1223409)				20
449073 (1223410)				42
449074 (1223411)				59
449075 (1223412)				75
449076 (1223413)				64
449077 (1223414)				93
449078 (1223415)				59
449079 (1223416)				52
449080 (1223417)				78
449081 (1223418)				77
449082 (1223419)				84

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Certificate of Analysis

AGAT WORK ORDER: 20B617566

PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jun 24, 2020	DATE RECEIVED: Jun 25, 2020	DATE REPORTED: Jul 08, 2020	SAMPLE TYPE: Rock
Analyte: Zr	Unit: ppm	RDL: 5	
449083 (1223420)	104		
449084 (1223421)	94		
449085 (1223422)	6		
449086 (1223423)	31		
449087 (1223424)	13		
449088 (1223425)	41		
449089 (1223426)	26		
449090 (1223427)	23		

Comments: RDL - Reported Detection Limit

1223388-1223427 As, Sb values may be low due to digestion losses.

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

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Certificate of Analysis

AGAT WORK ORDER: 20B617566

PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(201-079) Sodium Peroxide Fusion - ICP-OES finish

DATE SAMPLED: Jun 24, 2020

DATE RECEIVED: Jun 25, 2020

DATE REPORTED: Jul 08, 2020

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Cu	%	0.001
449058 (1223395)			1.01
449061 (1223398)			5.55
449065 (1223402)			2.58

Comments: RDL - Reported Detection Limit

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

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AGAT WORK ORDER: 20B617566

PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(201-116) 3 Acid Digest, ICP-OES finish

DATE SAMPLED: Jun 24, 2020

DATE RECEIVED: Jun 25, 2020

DATE REPORTED: Jul 08, 2020

SAMPLE TYPE: Rock

Analyte:	Ag
Unit:	ppm
RDL:	1
Sample ID (AGAT ID)	
449052 (1223389)	338
449054 (1223391)	670
449061 (1223398)	122
449086 (1223423)	428

Comments: RDL - Reported Detection Limit

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

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Certificate of Analysis

AGAT WORK ORDER: 20B617566

PROJECT:

5623 McADAM ROAD
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Jun 24, 2020	DATE RECEIVED: Jun 25, 2020	DATE REPORTED: Jul 08, 2020	SAMPLE TYPE: Rock
Analyte: Au	Unit: ppm	RDL: 0.001	
449051 (1223388)	4.24		
449052 (1223389)	0.668		
449053 (1223390)	0.316		
449054 (1223391)	0.977		
449055 (1223392)	0.048		
449056 (1223393)	0.053		
449057 (1223394)	0.034		
449058 (1223395)	0.238		
449059 (1223396)	0.046		
449060 (1223397)	0.185		
449061 (1223398)	1.90		
449062 (1223399)	0.017		
449063 (1223400)	0.003		
449064 (1223401)	0.058		
449065 (1223402)	0.463		
449066 (1223403)	0.021		
449067 (1223404)	0.219		
449068 (1223405)	0.071		
449069 (1223406)	0.004		
449070 (1223407)	0.012		
449071 (1223408)	0.061		
449072 (1223409)	0.023		
449073 (1223410)	0.013		
449074 (1223411)	0.076		
449075 (1223412)	0.003		
449076 (1223413)	0.004		
449077 (1223414)	0.204		
449078 (1223415)	0.047		
449079 (1223416)	0.007		
449080 (1223417)	0.043		
449081 (1223418)	0.036		
449082 (1223419)	0.077		

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20B617566

PROJECT:

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Jun 24, 2020

DATE RECEIVED: Jun 25, 2020

DATE REPORTED: Jul 08, 2020

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:	Value
	Au	ppm	0.001	
449083 (1223420)				0.005
449084 (1223421)				0.007
449085 (1223422)				4.31
449086 (1223423)				>10
449087 (1223424)				2.16
449088 (1223425)				0.415
449089 (1223426)				>10
449090 (1223427)				0.152

Comments: RDL - Reported Detection Limit

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

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20B617566

PROJECT:

5623 McADAM ROAD
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)

DATE SAMPLED: Jun 24, 2020	DATE RECEIVED: Jun 25, 2020	DATE REPORTED: Jul 08, 2020	SAMPLE TYPE: Rock
Analyte: Au-Grav	Unit: g/t	RDL: 0.5	
Sample ID (AGAT ID)			
449086 (1223423)		24.4	
449089 (1223426)		117	

Comments: RDL - Reported Detection Limit

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

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20B617566

PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 24, 2020

DATE RECEIVED: Jun 25, 2020

DATE REPORTED: Jul 08, 2020

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
449051 (1223388)		82
449069 (1223406)		78
449077 (1223414)		83

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20B617566

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: Avrom Howard, Herb Goodman

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 24, 2020

DATE RECEIVED: Jun 25, 2020

DATE REPORTED: Jul 08, 2020

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
449051 (1223388)		92
449088 (1223425)		93

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	1223388	6.41	7.88	20.6%	1223403	0.56	0.65	14.9%	1223413	< 0.5	< 0.5	0.0%				
Al	1223388	0.599	0.570	5.0%	1223403	6.03	6.03	0.0%	1223413	7.63	7.79	2.1%				
As	1223388	191	212	10.4%	1223403	48	51	6.1%	1223413	53	54	1.9%				
Ba	1223388	41	39	5.0%	1223403	21	21	0.0%	1223413	384	386	0.5%				
Be	1223388	< 0.5	< 0.5	0.0%	1223403	0.67	0.65	3.0%	1223413	1.1	1.1	0.0%				
Bi	1223388	6	5	18.2%	1223403	< 1	< 1	0.0%	1223413	< 1	< 1	0.0%				
Ca	1223388	0.05	0.05	0.0%	1223403	2.20	2.11	4.2%	1223413	4.18	4.12	1.4%				
Cd	1223388	< 0.5	< 0.5	0.0%	1223403	< 0.5	< 0.5	0.0%	1223413	< 0.5	< 0.5	0.0%				
Ce	1223388	5	4	22.2%	1223403	26	27	3.8%	1223413	25	25	0.0%				
Co	1223388	14.5	15.6	7.3%	1223403	35.3	37.3	5.5%	1223413	14.1	14.3	1.4%				
Cr	1223388	324	339	4.5%	1223403	124	129	4.0%	1223413	141	146	3.5%				
Cu	1223388	96.7	108	11.0%	1223403	3310	3470	4.7%	1223413	44.5	44.5	0.0%				
Fe	1223388	3.77	3.90	3.4%	1223403	16.5	17.2	4.2%	1223413	3.20	3.23	0.9%				
Ga	1223388	< 5	< 5	0.0%	1223403	10	9	10.5%	1223413	16	17	6.1%				
In	1223388	< 1	< 1	0.0%	1223403	< 1	< 1	0.0%	1223413	< 1	< 1	0.0%				
K	1223388	0.27	0.26	3.8%	1223403	0.02	0.02	0.0%	1223413	2.30	2.29	0.4%				
La	1223388	< 2	< 2	0.0%	1223403	5	6	18.2%	1223413	11	11	0.0%				
Li	1223388	2	2	0.0%	1223403	191	191	0.0%	1223413	18	18	0.0%				
Mg	1223388	0.036	0.032	11.8%	1223403	3.33	3.36	0.9%	1223413	1.00	0.989	0.8%				
Mn	1223388	443	437	1.4%	1223403	3050	3200	4.8%	1223413	813	810	0.4%				
Mo	1223388	17.1	18.6	8.4%	1223403	47.1	53.2	12.2%	1223413	1.7	1.3	26.7%				
Na	1223388	0.03	0.03	0.0%	1223403	0.03	0.03	0.0%	1223413	1.71	1.76	2.9%				
Ni	1223388	15.4	16.3	5.7%	1223403	58.5	61.6	5.2%	1223413	26.6	27.2	2.2%				
P	1223388	30	29	3.4%	1223403	716	758	5.7%	1223413	599	610	1.8%				
Pb	1223388	81	93	13.8%	1223403	10	9	10.5%	1223413	< 1	< 1	0.0%				
Rb	1223388	< 10	< 10	0.0%	1223403	< 10	< 10	0.0%	1223413	85	82	3.6%				
S	1223388	1.82	1.90	4.3%	1223403	2.29	2.28	0.4%	1223413	0.05	0.05	0.0%				
Sb	1223388	8	8	0.0%	1223403	13	13	0.0%	1223413	10	11	9.5%				
Sc	1223388	2	2	0.0%	1223403	21	22	4.7%	1223413	14	13	7.4%				
Se	1223388	< 10	< 10	0.0%	1223403	< 10	< 10	0.0%	1223413	< 10	< 10	0.0%				
Sn	1223388	< 5	< 5	0.0%	1223403	< 5	< 5	0.0%	1223413	< 5	< 5	0.0%				



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

Sr	1223388	6	5	18.2%	1223403	41	39	5.0%	1223413	106	106	0.0%				
Ta	1223388	< 10	< 10	0.0%	1223403	< 10	< 10	0.0%	1223413	< 10	< 10	0.0%				
Te	1223388	< 10	< 10	0.0%	1223403	12	<10		1223413	< 10	< 10	0.0%				
Th	1223388	< 5	< 5	0.0%	1223403	< 5	< 5	0.0%	1223413	< 5	< 5	0.0%				
Ti	1223388	0.02	0.02	0.0%	1223403	0.26	0.24	8.0%	1223413	0.24	0.25	4.1%				
Tl	1223388	< 5	< 5	0.0%	1223403	< 5	< 5	0.0%	1223413	< 5	< 5	0.0%				
U	1223388	< 5	< 5	0.0%	1223403	< 5	< 5	0.0%	1223413	< 5	< 5	0.0%				
V	1223388	13.6	14.3	5.0%	1223403	138	141	2.2%	1223413	89.0	90.6	1.8%				
W	1223388	< 1	< 1	0.0%	1223403	< 1	< 1	0.0%	1223413	3	4	28.6%				
Y	1223388	1	1	0.0%	1223403	10	10	0.0%	1223413	9	9	0.0%				
Zn	1223388	50.1	53.2	6.0%	1223403	155	155	0.0%	1223413	35.0	34.8	0.6%				
Zr	1223388	< 5	< 5	0.0%	1223403	56	57	1.8%	1223413	64	65	1.6%				

(201-079) Sodium Peroxide Fusion - ICP-OES finish

REPLICATE #1												
Parameter	Sample ID	Original	Replicate	RPD								
Cu	1223402	2.58	2.52	2.4%								

(201-116) 3 Acid Digest, ICP-OES finish

REPLICATE #1												
Parameter	Sample ID	Original	Replicate	RPD								
Ag	1223423	428	422	1.4%								

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

REPLICATE #1					REPLICATE #2				REPLICATE #3			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	1223388	4.24	4.63	8.8%	1223403	0.021	0.022	4.7%	1223413	0.0038	0.0046	19.0%

(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)

REPLICATE #1					REPLICATE #2							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au-Grav	1223423	24.4	24.2	0.8%	1223426	117	112	4.4%				



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.GTS-2a)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.64	97%	90% - 110%	8.17	8.05	99%	90% - 110%	6.96	6.98	100%	90% - 110%				
As					26	23	90%	90% - 110%	124	129	104%	90% - 110%				
Ba	340	332	98%	90% - 110%	540	517	96%	90% - 110%	186	187	101%	90% - 110%				
Be	2.6	2.8	107%	90% - 110%	4.0	3.5	88%	90% - 110%								
Ca	5.72	5.3	93%	90% - 110%	0.907	0.859	95%	90% - 110%	4.01	3.83	95%	90% - 110%				
Ce	122	124	102%	90% - 110%	98	99	101%	90% - 110%	24	25	105%	90% - 110%				
Co									22.1	22.2	100%	90% - 110%				
Cr					60.3	57.6	95%	90% - 110%								
Cu					150	156	104%	90% - 110%	88.6	88.5	100%	90% - 110%				
Fe	4.34	3.95	91%	90% - 110%	3.77	3.59	95%	90% - 110%	7.56	7.38	98%	90% - 110%				
Ga	35	38	108%	90% - 110%												
K	1.37	1.42	103%	90% - 110%					2.021	2.113	105%	90% - 110%				
La	58	58	101%	90% - 110%	44	43	97%	90% - 110%								
Li	37	38	104%	90% - 110%	47	46	97%	90% - 110%								
Mg	0.325	0.301	93%	90% - 110%	1.10	1.1	100%	90% - 110%	2.412	2.459	102%	90% - 110%				
Mn					780	741	95%	90% - 110%	1510	1455	96%	90% - 110%				
Mo					14	13	90%	90% - 110%								
Na	5.267	5.226	99%	90% - 110%	1.624	1.644	101%	90% - 110%	0.617	0.622	101%	90% - 110%				
Ni					32	31	97%	90% - 110%	77.1	72.8	94%	90% - 110%				
P					750	711	95%	90% - 110%	892	927	104%	90% - 110%				
Rb	55	58	105%	90% - 110%	143	138	96%	90% - 110%								
S									0.348	0.374	107%	90% - 110%				
Sc	1.1	0.9	84%	90% - 110%	12	12	101%	90% - 110%								
Sr	1191	1174	99%	90% - 110%	144	149	103%	90% - 110%	92.8	90.4	97%	90% - 110%				
Ti	0.172	0.168	98%	90% - 110%	0.53	0.51	96%	90% - 110%								
V	8	7	83%	90% - 110%	77	76	99%	90% - 110%								
Y	119	127	107%	90% - 110%												
Zn	93	86	93%	90% - 110%	130	126	97%	90% - 110%	208	207	100%	90% - 110%				

(201-079) Sodium Peroxide Fusion - ICP-OES finish

Parameter	CRM #1 (ref.ME-1206)				CRM #2 (ref.GSP5G)				CRM #3 (ref.GS4E)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

Cu	0.792	0.772	97%	90% - 110%															
(201-116) 3 Acid Digest, ICP-OES finish																			
	CRM #1				CRM #2 (ref.GSP5G)				CRM #3 (ref.GS4E)										
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits							
Ag	274	287	104%	90% - 110%															
(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)																			
	CRM #1 (ref.GS4E)				CRM #2 (ref.GSP5G)				CRM #3 (ref.GS4E)										
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits							
Au	4.19	4.11	98%	90% - 110%	0.562	0.538	96%	90% - 110%	4.19	4.07	97%	90% - 110%							
(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)																			
	CRM #1				CRM #2 (ref.GSP5G)				CRM #3 (ref.GS4E)										
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits							
Au-Grav	37.08	36.6	98%	95% - 105%															



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON
 PROJECT:
 SAMPLING SITE:

AGAT WORK ORDER: 20B617566
 ATTENTION TO: Avrom Howard, Herb Goodman
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 20B617566

PROJECT:

ATTENTION TO: Avrom Howard, Herb Goodman

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Ag	Special Request		ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Au-Grav	MIN-12004		BALANCE
Pass %			BALANCE

CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Avrom Howard, Herb Goodman

PROJECT:

AGAT WORK ORDER: 20B650560

SOLID ANALYSIS REVIEWED BY: Siamak Agahzamin, Lab Technician

DATE REPORTED: Sep 22, 2020

PAGES (INCLUDING COVER): 11

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: 20B650560

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: Avrom Howard, Herb Goodman

(200-) Sample Login Weight

DATE SAMPLED: Sep 14, 2020 DATE RECEIVED: Sep 15, 2020 DATE REPORTED: Sep 22, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
1078970 (1446025)		1.69
1078971 (1446026)		.88
1078972 (1446027)		.82
1078973 (1446028)		.91
1078974 (1446029)		1.06
1078975 (1446030)		.82
1078976 (1446031)		.89
1078977 (1446032)		1.14
1078978 (1446033)		1.14
1078979 (1446034)		.82
1078980 (1446035)		1.19
1078981 (1446036)		.88
1078982 (1446037)		1.33
1078983 (1446038)		1.08
1078984 (1446039)		1.00
1078985 (1446040)		.89
1078986 (1446041)		.71
1078987 (1446042)		1.77
1078988 (1446043)		1.07
1078989 (1446044)		4.33
1078990 (1446045)		4.18
1078991 (1446046)		3.40
1078992 (1446047)		3.68
1078993 (1446048)		7.03
1078994 (1446049)		7.31
1078995 (1446050)		4.93
1078996 (1446051)		4.05
1078997 (1446052)		6.38
1078998 (1446053)		5.51
1078999 (1446054)		5.89
1079000 (1446055)		3.77

Certified By:

Agahzamin



Certificate of Analysis

AGAT WORK ORDER: 20B650560

PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(200-) Sample Login Weight

DATE SAMPLED: Sep 14, 2020 DATE RECEIVED: Sep 15, 2020 DATE REPORTED: Sep 22, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
449038 (1446056)		2.33
449039 (1446057)		3.02
449040 (1446058)		3.04
449041 (1446059)		2.86
449042 (1446060)		4.60
449043 (1446061)		3.46
449044 (1446062)		4.20
449045 (1446063)		3.72
449046 (1446064)		4.76
449047 (1446065)		3.98
449048 (1446066)		3.20
449049 (1446067)		4.22
449050 (1446068)		.73
001 (1446069)		.84
002 (1446070)		.66
003 (1446071)		.58
004 (1446072)		5.11
005 (1446073)		4.50
006 (1446074)		3.51
007 (1446075)		3.27
008 (1446076)		4.44
009 (1446077)		3.93
010 (1446078)		4.55
011 (1446079)		4.93
012 (1446080)		5.77
013 (1446081)		3.68
014 (1446082)		5.06
015 (1446083)		3.52
016 (1446084)		1.98
017 (1446085)		3.54

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Certificate of Analysis

AGAT WORK ORDER: 20B650560

PROJECT:

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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(200-) Sample Login Weight

DATE SAMPLED: Sep 14, 2020

DATE RECEIVED: Sep 15, 2020

DATE REPORTED: Sep 22, 2020

SAMPLE TYPE: Rock

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20B650560

PROJECT:

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 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Sep 14, 2020	DATE RECEIVED: Sep 15, 2020	DATE REPORTED: Sep 22, 2020	SAMPLE TYPE: Rock
Analyte:	Au		
Unit:	ppm		
RDL:	0.001		
Sample ID (AGAT ID)			
1078970 (1446025)	0.057		
1078971 (1446026)	0.288		
1078972 (1446027)	0.105		
1078973 (1446028)	0.025		
1078974 (1446029)	0.023		
1078975 (1446030)	0.015		
1078976 (1446031)	0.057		
1078977 (1446032)	0.029		
1078978 (1446033)	0.015		
1078979 (1446034)	0.534		
1078980 (1446035)	0.038		
1078981 (1446036)	0.079		
1078982 (1446037)	0.053		
1078983 (1446038)	0.004		
1078984 (1446039)	0.005		
1078985 (1446040)	0.008		
1078986 (1446041)	0.036		
1078987 (1446042)	0.024		
1078988 (1446043)	0.004		
1078989 (1446044)	0.009		
1078990 (1446045)	0.017		
1078991 (1446046)	0.065		
1078992 (1446047)	0.698		
1078993 (1446048)	0.002		
1078994 (1446049)	0.010		
1078995 (1446050)	0.007		
1078996 (1446051)	0.098		
1078997 (1446052)	0.021		
1078998 (1446053)	0.020		
1078999 (1446054)	0.015		
1079000 (1446055)	0.402		
449038 (1446056)	3.09		

Certified By:

Agahzamin



Certificate of Analysis

AGAT WORK ORDER: 20B650560

PROJECT:

5623 McADAM ROAD
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Sep 14, 2020	DATE RECEIVED: Sep 15, 2020	DATE REPORTED: Sep 22, 2020	SAMPLE TYPE: Rock
Analyte: Au	Unit: ppm	RDL: 0.001	
449039 (1446057)	2.67		
449040 (1446058)	0.031		
449041 (1446059)	0.008		
449042 (1446060)	0.077		
449043 (1446061)	0.109		
449044 (1446062)	3.33		
449045 (1446063)	0.526		
449046 (1446064)	0.044		
449047 (1446065)	0.028		
449048 (1446066)	0.012		
449049 (1446067)	0.020		
449050 (1446068)	2.51		
001 (1446069)	7.40		
002 (1446070)	0.098		
003 (1446071)	0.463		
004 (1446072)	0.013		
005 (1446073)	0.130		
006 (1446074)	0.107		
007 (1446075)	0.041		
008 (1446076)	0.074		
009 (1446077)	0.479		
010 (1446078)	0.047		
011 (1446079)	0.004		
012 (1446080)	0.010		
013 (1446081)	0.244		
014 (1446082)	0.017		
015 (1446083)	0.009		
016 (1446084)	0.013		
017 (1446085)	0.010		

Comments: RDL - Reported Detection Limit
 Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20B650560

PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

Sieving - % Passing (Crushing)

DATE SAMPLED: Sep 14, 2020	DATE RECEIVED: Sep 15, 2020	DATE REPORTED: Sep 22, 2020	SAMPLE TYPE: Rock
Analyte: Pass %	Unit: %	RDL: 0.01	
Sample ID (AGAT ID)			
1078970 (1446025)		80	
1078987 (1446042)		86	
1078996 (1446051)		89	
449038 (1446056)		84	
449039 (1446057)		85	
449045 (1446063)		79	
001 (1446069)		89	
011 (1446079)		81	

Comments: RDL - Reported Detection Limit
 Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20B650560

PROJECT:

5623 McADAM ROAD
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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Sep 14, 2020

DATE RECEIVED: Sep 15, 2020

DATE REPORTED: Sep 22, 2020

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
1078970 (1446025)		87.9
1078972 (1446027)		88.6
1078973 (1446028)		86.9
1078974 (1446029)		88

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	1446026	0.288	0.436	40.9%	1446040	0.008	0.010	25%	1446050	0.007	0.010	34.8%	1446065	0.028	0.027	1.1%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Au	1446075	0.041	0.041	1.1%												



AGAT Laboratories

Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 20B650560

PROJECT:

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 FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom Howard, Herb Goodman

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

Parameter	CRM #1 (GS7H)				CRM #2 (GS1X)				CRM #3 (WW03)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	6.56	6.26	95%	90% - 110%	1.299	1.30	100%	90% - 110%	2.01	2.12	105%	90% - 110%				



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 20B650560

PROJECT:

ATTENTION TO: Avrom Howard, Herb Goodman

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Au	MW-200-12006	BUGBEE, E;A Textbook of Fire Assay	ICP/OES
Pass %			BALANCE

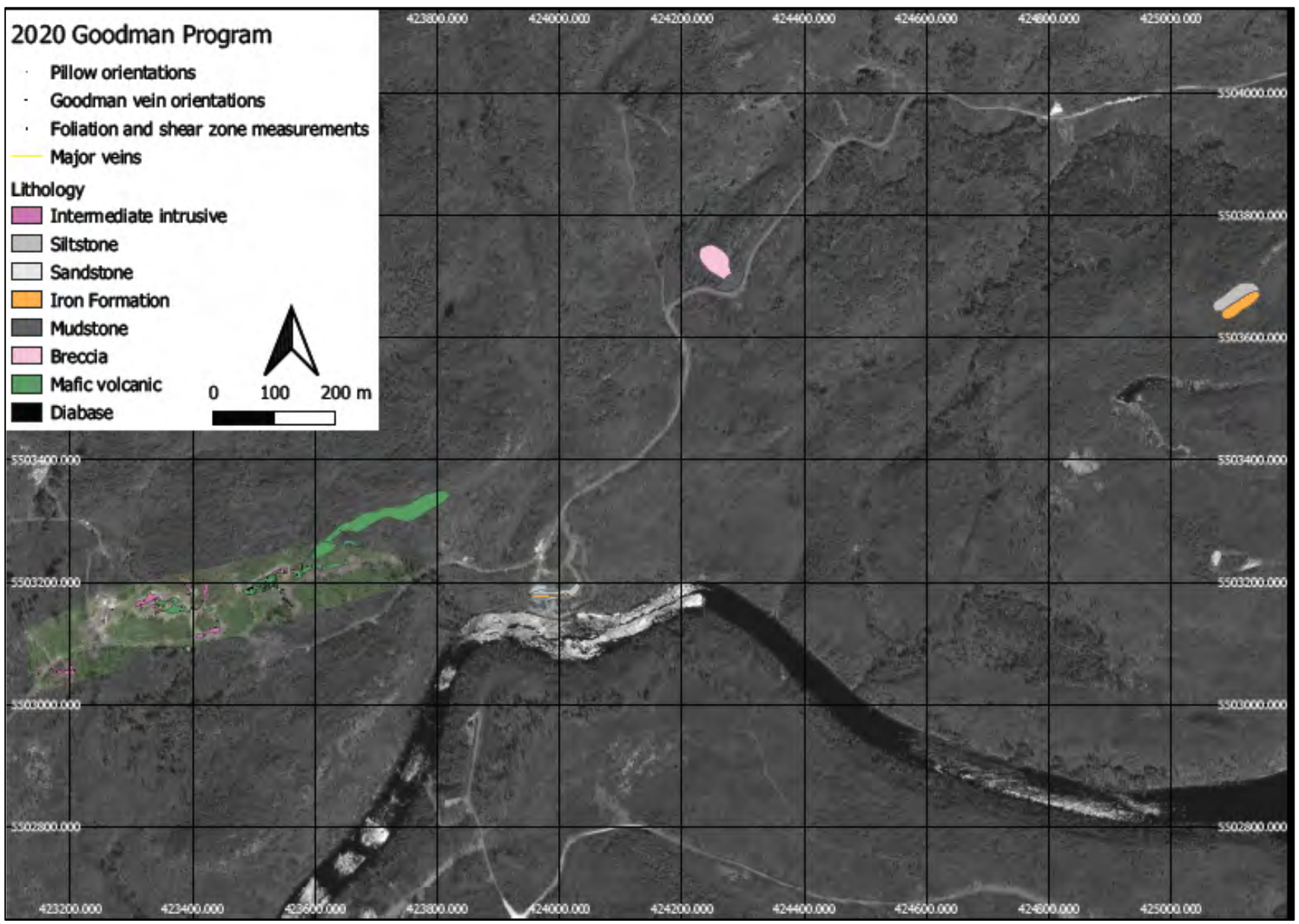
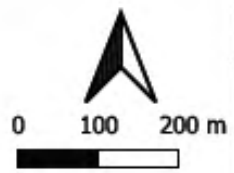
Appendix B: 2020 Mapping Of The Goodman Property

2020 Goodman Program




- Pillow orientations
- Goodman vein orientations
- Foliation and shear zone measurements
- Major veins

Lithology









- Intermediate intrusive
- Siltstone
- Sandstone
- Iron Formation
- Mudstone
- Breccia
- Mafic volcanic
- Diabase



Legend


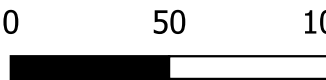
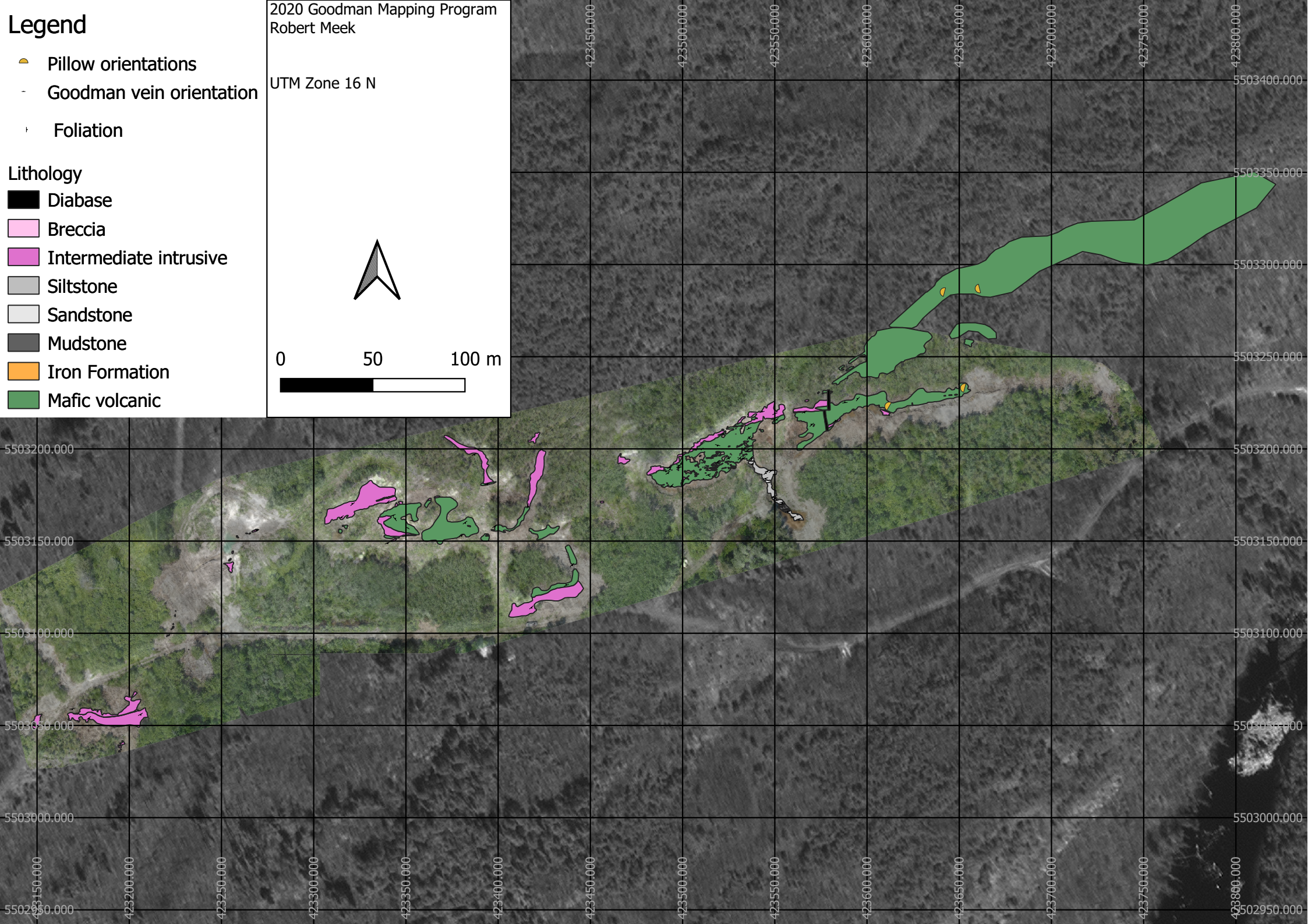
-  Pillow orientations
-  Goodman vein orientation
-  Foliation

Lithology

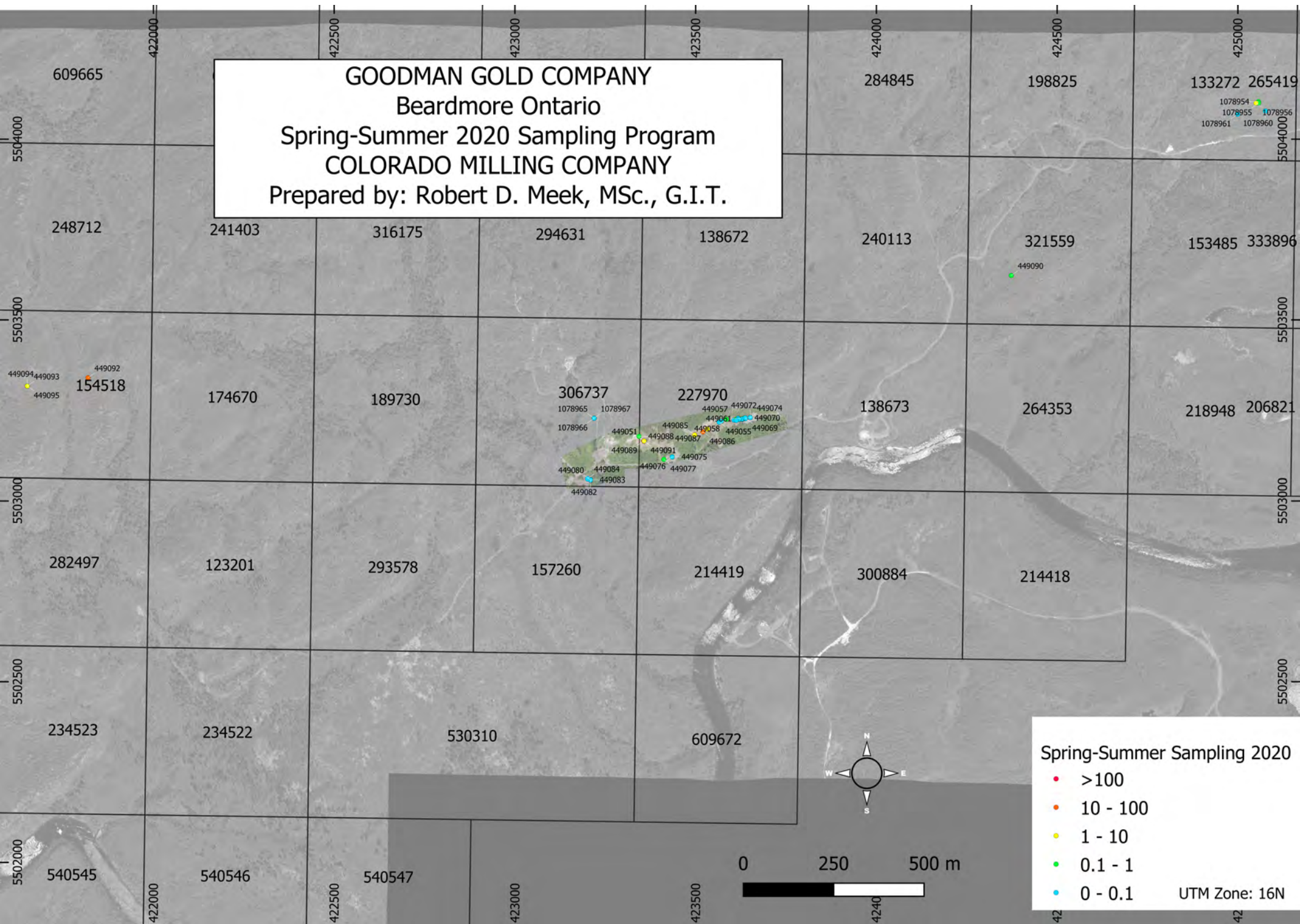
-  Diabase
-  Breccia
-  Intermediate intrusive
-  Siltstone
-  Sandstone
-  Mudstone
-  Iron Formation
-  Mafic volcanic

2020 Goodman Mapping Program
Robert Meek

UTM Zone 16 N

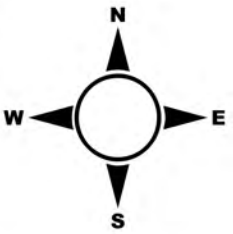
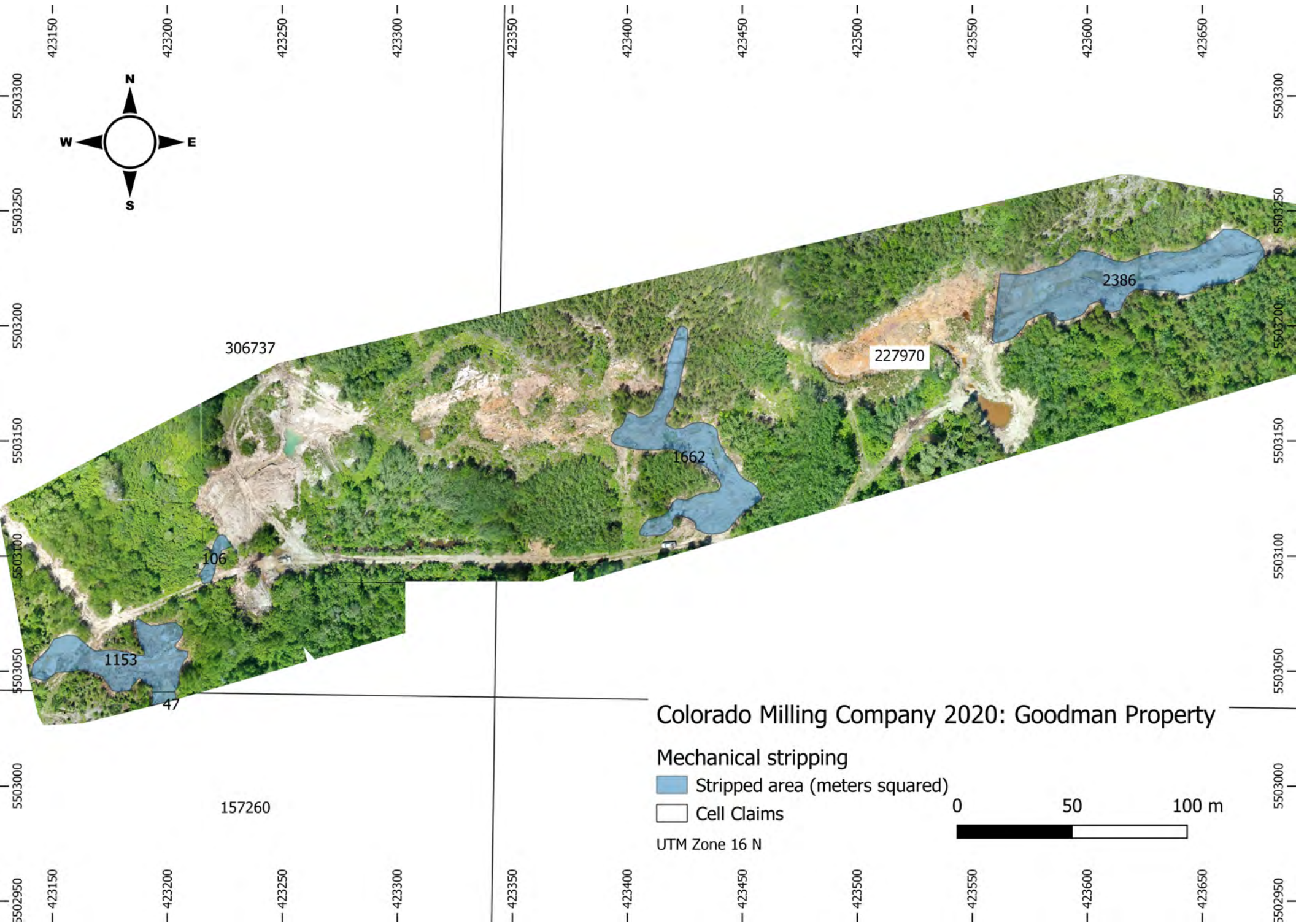
GOODMAN GOLD COMPANY
Beardmore Ontario
Spring-Summer 2020 Sampling Program
COLORADO MILLING COMPANY
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Spring-Summer Sampling 2020


- >100
- 10 - 100
- 1 - 10
- 0.1 - 1
- 0 - 0.1


UTM Zone: 16N



Colorado Milling Company 2020: Goodman Property

Mechanical stripping

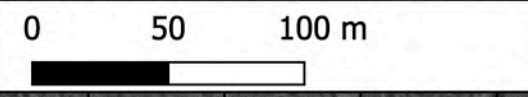
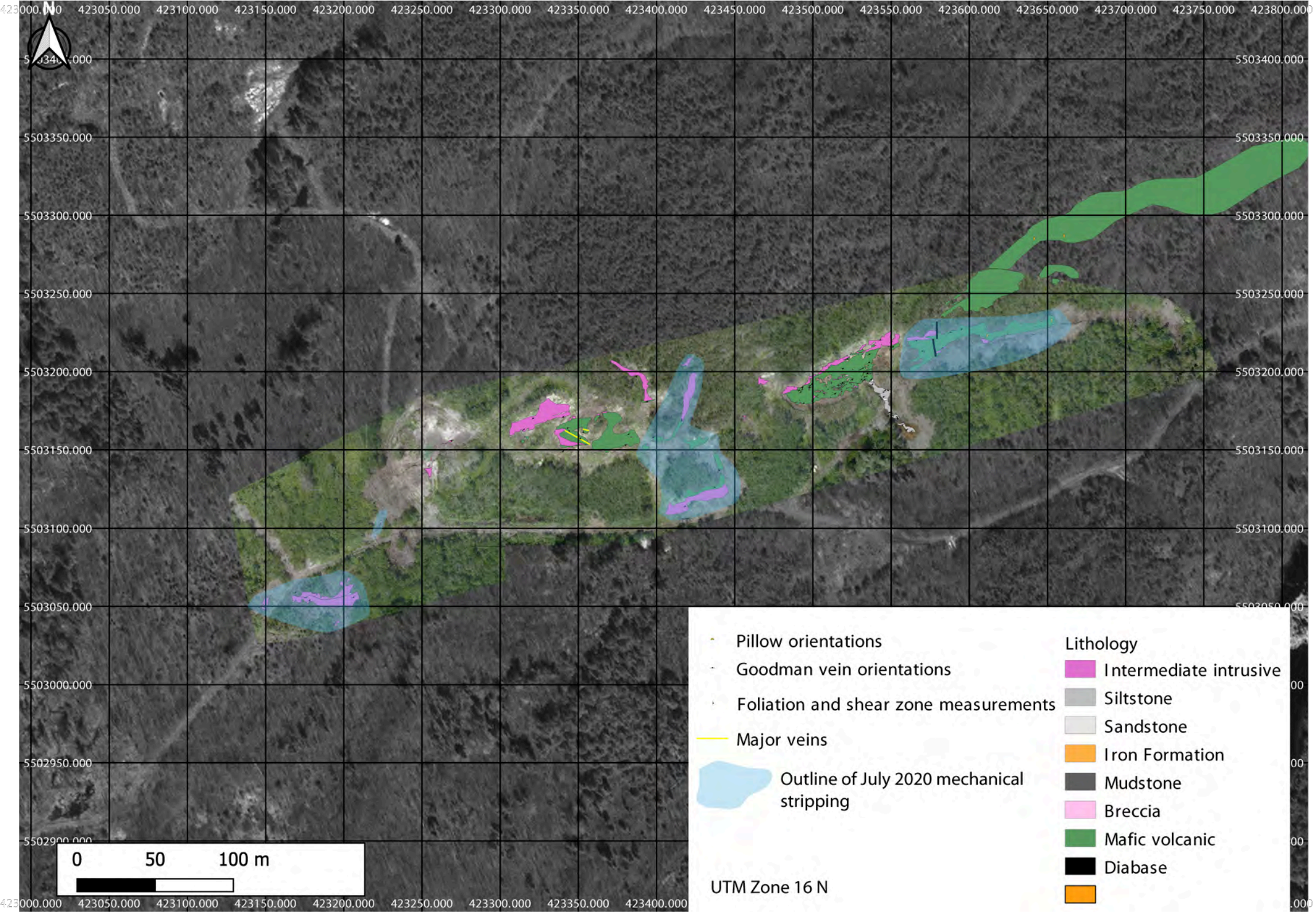
 Stripped area (meters squared)















 Cell Claims

0 50 100 m



UTM Zone 16 N



 Pillow orientations	Lithology
 Goodman vein orientations	 Intermediate intrusive
 Foliation and shear zone measurements	 Siltstone
 Major veins	 Sandstone
 Outline of July 2020 mechanical stripping	 Iron Formation
	 Mudstone
	 Breccia
	 Mafic volcanic
	 Diabase
	

UTM Zone 16 N