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GEM PROPERTY PROSPECTING REPORT

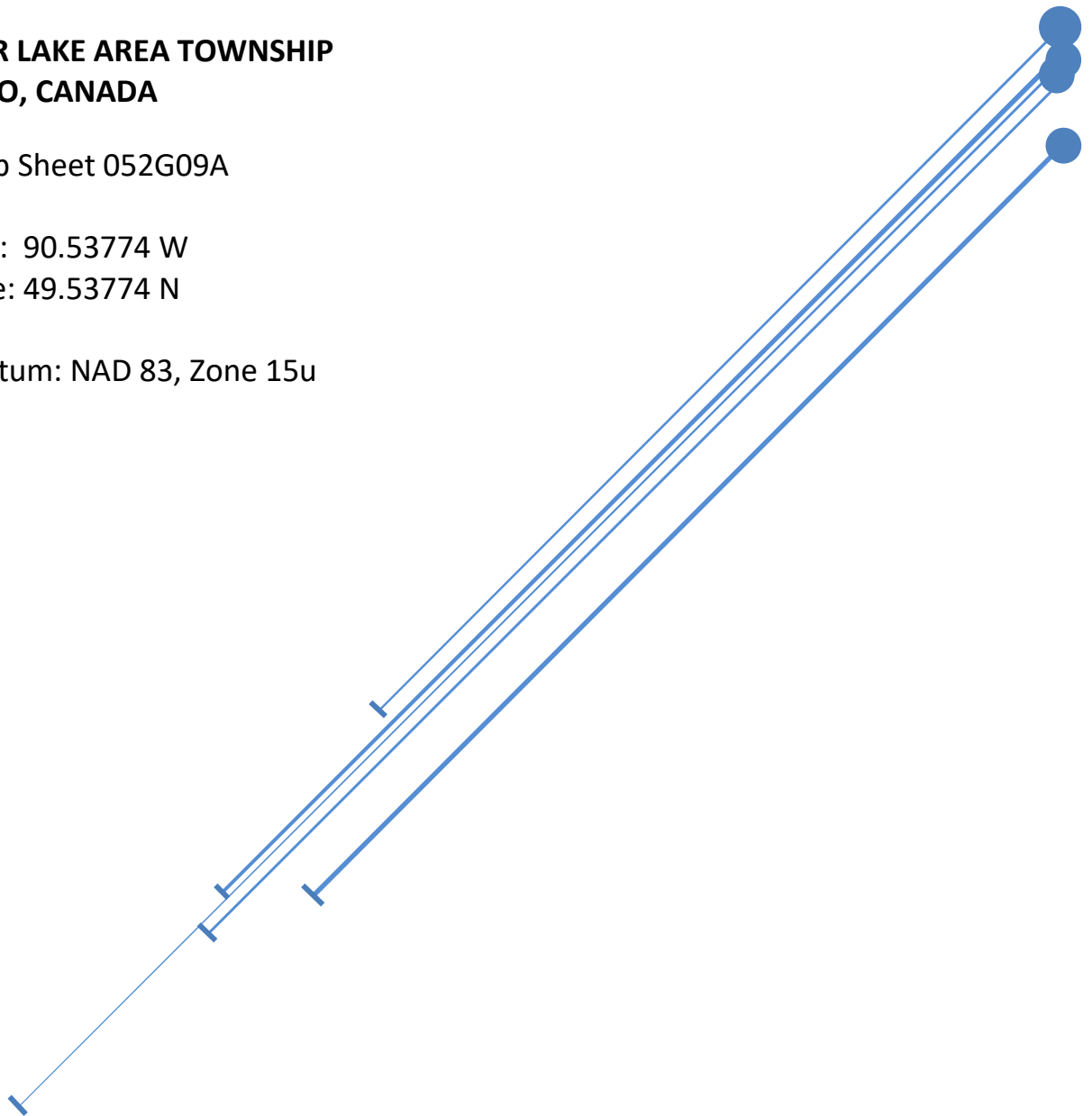
**WEAVER LAKE AREA TOWNSHIP
ONTARIO, CANADA**

NTS Map Sheet 052G09A

Latitude: 90.53774 W

Longitite: 49.53774 N

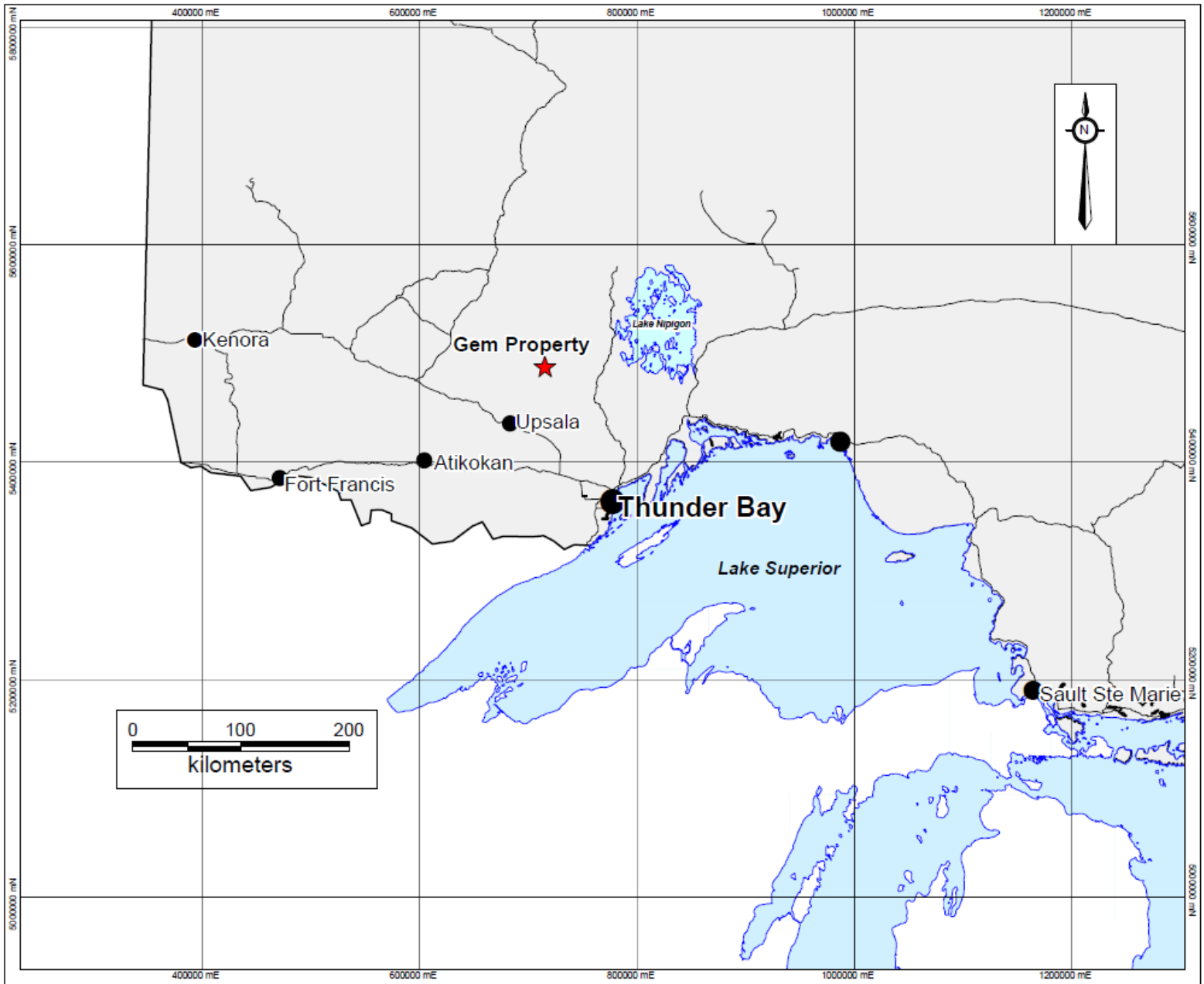
UTM Datum: NAD 83, Zone 15u



Doug Kakeeway
Feb 2022

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Claim Abstract

695689

Status: Active

Cell Claim Type: Single Cell Due Date: 08-Dec-2025 Total Reserve: 0
 Special Status: N Total Work: 800 Assessment Assmt: 50000
 Number of Cells: 1 Work Required: 400 Consultation Reserve: 0
 Registration Date: 08-Dec-2021 Total Payment in Place: 0 Exploration Reserve: 0
 Anniversary Date: 08-Dec-2025 Last Paid in Place Date:
 UTM Zone: 15 Mining Division: Thunder Bay
 MNR District: Thunder Bay Township Name: WEAVER LAKE AREA

Cell ID(s)	520G9A210
------------	-----------

Client Number	Recorded Holder(s)	Percent
150453	DOUG KAKEEWAY	100

Claim Abstract

695689

Status: Active

Event #	Recorded By	Event Description	Abstract Working	Event Date
1498714	DOUG KAKEEWAY	Submit Report of Work Assessment	Work Report Filed	21-Nov-2022
1497570	DOUG KAKEEWAY	Assessment Work Report Internal	Work Report Rejected	18-Nov-2022
1497569	DOUG KAKEEWAY	Submit Report of Work Assessment	Work Report Filed	18-Nov-2022
1423514	MLAS System Internal	Distribution Submission Handling	\$800 Exploration Credit Applied	25-Jun-2022
1295728	MLAS System Internal	Mining claim acquisition notification handling	Confirmation of Registration Not Required	08-Dec-2021
1295726	DOUG KAKEEWAY	Register a Mining Claim	Registered By DOUG KAKEEWAY (150453)	08-Dec-2021

Reservations under the Mining Act may apply
 Note: Status of Claim is based on information currently on record.

Claim Abstract

620564

Status: Active

Cell Claim Type: Single Cell Due Date: 24-Nov-2022 Total Reserve: 0
 Special Status: N Total Work: 0 Assessment Assmt: 50000
 Number of Cells: 1 Work Required: 400 Consultation Reserve: 0
 Registration Date: 24-Nov-2020 Total Payment in Place: 0 Exploration Reserve: 0
 Anniversary Date: 24-Nov-2022 Last Paid in Place Date:
 UTM Zone: 15 Mining Division: Thunder Bay
 MNR District: Thunder Bay Township Name: WEAVER LAKE AREA

Cell ID(s)	520G9A235
------------	-----------

Client Number	Recorded Holder(s)	Percent
150453	DOUG KAKEEWAY	100

Claim Abstract

620564

Status: Active

Event #	Recorded By	Event Description	Abstract Working	Event Date
1498714	DOUG KAKEEWAY	Submit Report of Work Assessment	Work Report Filed	21-Nov-2022
1497570	MLAS System Internal	Assessment Work Report	Work Report Rejected	18-Nov-2022
1497569	DOUG KAKEEWAY	Submit Report of Work Assessment	Work Report Filed	18-Nov-2022
1088560	MLAS System Internal	Mining claim acquisition notification handling	Confirmation of Registration Not Required	24-Nov-2020
1088578	DOUG KAKEEWAY	Register a Mining Claim	Registered By DOUG KAKEEWAY (150453)	24-Nov-2020

Reservations under the Mining Act may apply
 Note: Status of Claim is based on information currently on record.

Claim Abstract

620574

Status: Active

Cell Claim Type: Single Cell Due Date: 24-Nov-2022 Total Reserve: 0
 Special Status: N Total Work: 0 Assessment Assmt: 50000
 Number of Cells: 1 Work Required: 400 Consultation Reserve: 0
 Registration Date: 24-Nov-2020 Total Payment in Place: 0 Exploration Reserve: 0
 Anniversary Date: 24-Nov-2022 Last Paid in Place Date:
 UTM Zone: 15 Mining Division: Thunder Bay
 MNR District: Thunder Bay Township Name: WEAVER LAKE AREA

Cell ID(s)	520G9A453
------------	-----------

Client Number	Recorded Holder(s)	Percent
150453	DOUG KAKEEWAY	100

Claim Abstract

620574

Status: Active

Event #	Recorded By	Event Description	Abstract Working	Event Date
1498714	DOUG KAKEEWAY	Submit Report of Work Assessment	Work Report Filed	21-Nov-2022
1497570	MLAS System Internal	Assessment Work Report	Work Report Rejected	18-Nov-2022
1497569	DOUG KAKEEWAY	Submit Report of Work Assessment	Work Report Filed	18-Nov-2022
1088560	MLAS System Internal	Mining claim acquisition notification handling	Confirmation of Registration Not Required	24-Nov-2020
1088578	DOUG KAKEEWAY	Register a Mining Claim	Registered By DOUG KAKEEWAY (150453)	24-Nov-2020

Reservations under the Mining Act may apply
 Note: Status of Claim is based on information currently on record.

Introduction

In 2022 three prospecting trips were completed from Thunder Bay Ontario into the Gem Property 200 km north of Thunder Bay. The three prospecting trip dates were August 21/2022, October 01/2022, and October 13/2022. The main objective was to visit the former historical Benton Resource trench No.2 where Benton was sampled up to 13% Zinc. The prospecting was successful in locating the high-grade Zinc channel sample area. The present prospecting visit was successful in duplicating the zone with a new 14.5% Zinc Grab sample (756857). A localized angular (2ftx2ftx1ft) slab from trench No. 2 found 50 meters along strike to the west of trench No. 2 assayed (756864) 7.3% Zinc and .51% Nickel. A total of 14 grab samples (see attached) were analyzed.

Location and Access

The Gem property is situated in the Kearns Lake area in the Township of Weaver Lake Area, 200 kms from Thunder Bay, Ontario. The property is found on NTS sheet 52G09. Access to the property is traveling north on a paved highway #527, then down secondary gravel logging road Highway #811 for +/-50 km's. Then turn (west) Left onto Madden Road for another 22 kilometers which brings you onto the Gem Property Area.

Property Geology

Geological mapping in the Gem property was difficult due to thick overburden and very little exposed outcrop. The majority of the Gem property is comprised of mafic to intermediate metavolcanic rocks predominantly basaltic and andesitic flows, tuffs and breccias. The west end of the property has been previously mapped as a moderately foliated to massive tonalite to granite-diorite suite. The same rock type has also been mapped in small section on the northern tip of the property. Mapping has also previously identified areas of metasedimentary rocks including conglomerate chert, greywacke and iron formation have also been noted on the property (Kara Barnes 2008)

Regional Geology

The Gem Property is in the east west trending Wabigoon Subprovince, bounded to the north by the English River and Winnipeg River Subprovince and to the south by the Quetico Subprovince. (Kara Barnes 2008)

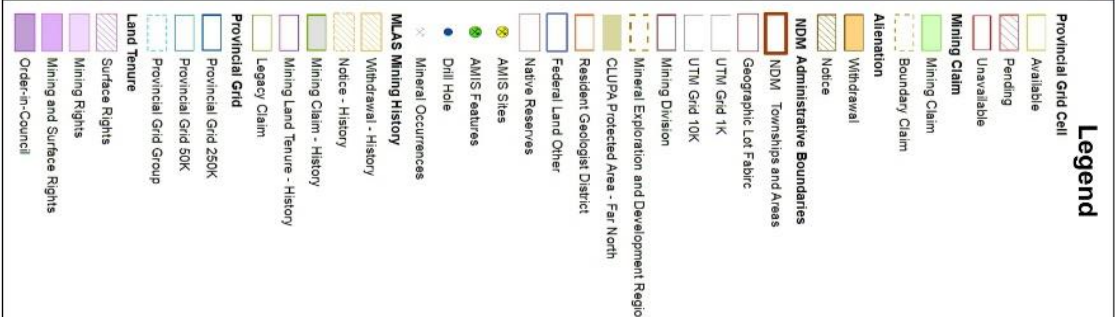
Conclusion

The prospecting and sampling in trench No 2 were successful in locating the former Benton's channel saw area and confirming the High grade Zinc with Nickel.

Recommendation

The cells need further systematic exploration to locate other anomalous Zn/Cu/Ni zones in the area. Trench No.2 needs to be prospected along strike to locate the extension of the high-grade 14.5% Zinc. The area east of sample 756861 needs further prospecting.

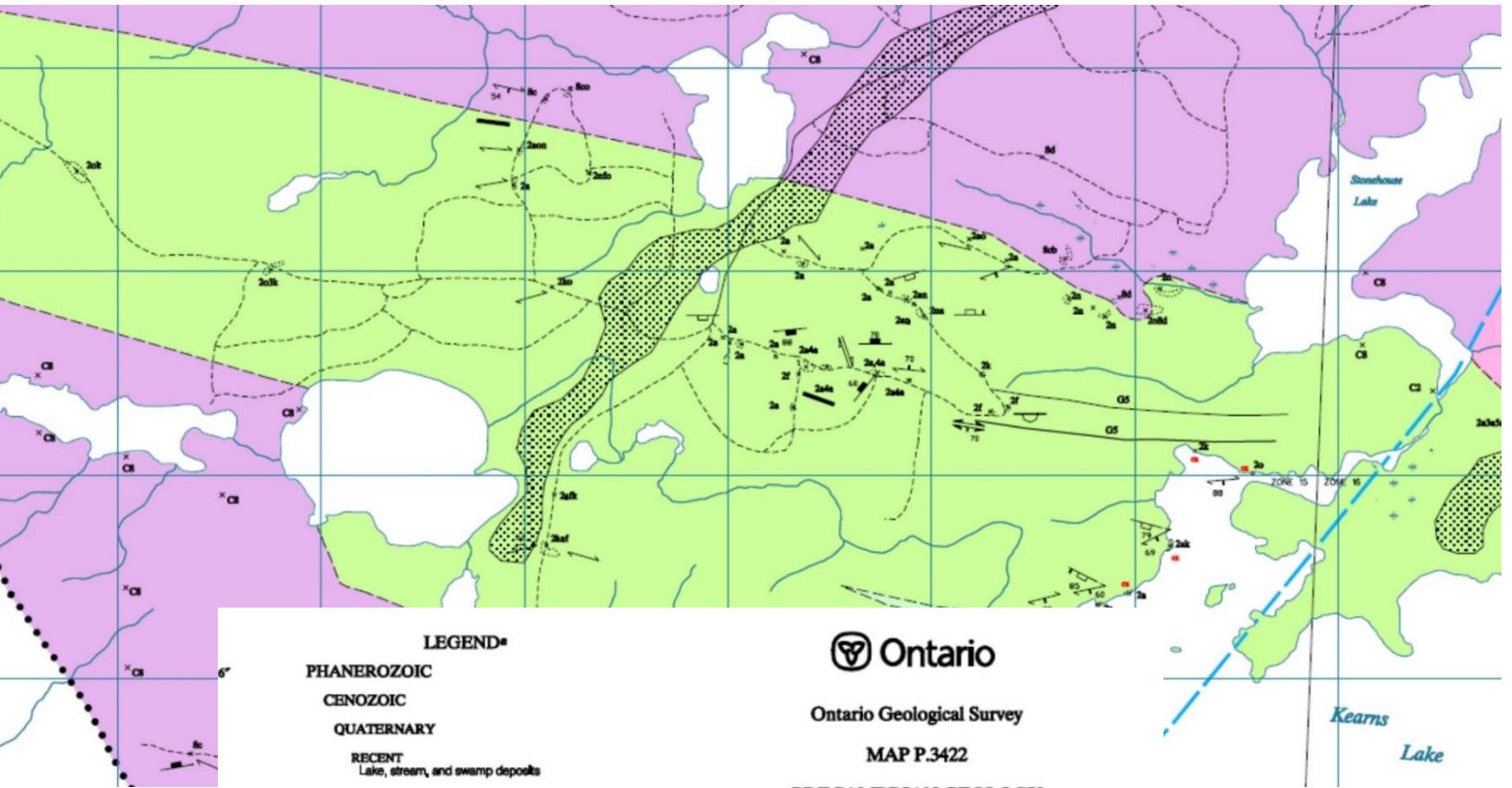
Ground geophysics followed by Diamond Drilling.



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- LEGEND^a**
- PHANEROZOIC**
- CENOZOIC**
- QUATERNARY**
- RECENT**
Lake, stream, and swamp deposits
- PLEISTOCENE**
Glacial, glaciofluvial and glaciolacustrine deposits; sand, gravel, till
- UNCONFORMITY**
- PRECAMBRIAN**
- PROTEROZOIC**
- 12** Mafic Intrusive Rocks
12a Logan Sill Complex diabase
- INTRUSIVE CONTACT**
- 11** Stibley Group
11a Unsubdivided metavolcanic rocks
- UNCONFORMITY**
- ARCHEAN**
- 10** Intermediate and Felsic Intrusive Rocks^b
10a Aplite dyke
10b Monzogranite
10c Granodiorite
10d Tonalite
10t Quartz feldspar porphyry
- INTRUSIVE CONTACT**
- 9** Mafic and Ultramafic Intrusive Rocks^c
9c Gabbro
9f Pyroxenite
9j Hornblende gabbro
- INTRUSIVE CONTACT**
- 8** Foliated to Gneissic Intermediate and Felsic Intrusive Rocks
8a Aplite dykes
8b Monzogranite
8c Granodiorite
8d Tonalite
8n Quartz diorite, quartz gabbro
8t Quartz feldspar porphyry
8u Feldspar porphyry
8o Mafic gneiss; fine grained gabbro/diorite as continuous layers and/or inclusions^d
- INTRUSIVE CONTACT**
- 7** Metamorphosed Mafic Intrusive Rocks
7c Gabbro, diorite
7n Gabbro; massive, coarse grained hornblende rich^d
- INTRUSIVE CONTACT**
- 6** Clastic Metasedimentary Rocks
6a Quartzose arenite
6d Quartzose wacke
6h Argillite
6j Polymictic conglomerate; matrix to clast supported^e
- 5** Chemical Metasedimentary Rocks
5a Oxide facies iron formation
5e Chert
5f Ferruginous mudstone
- 4** Felsic Metavolcanic Rocks



Ontario Geological Survey

MAP P.3422

PRECAMBRIAN GEOLOGY
GARDEN LAKE GREENSTONE BELT (WEST HALF)

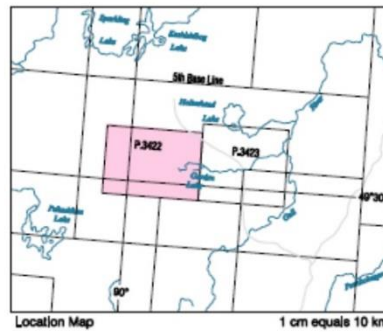
Scale 1:20 000



NTS Reference: 52 H/11,12

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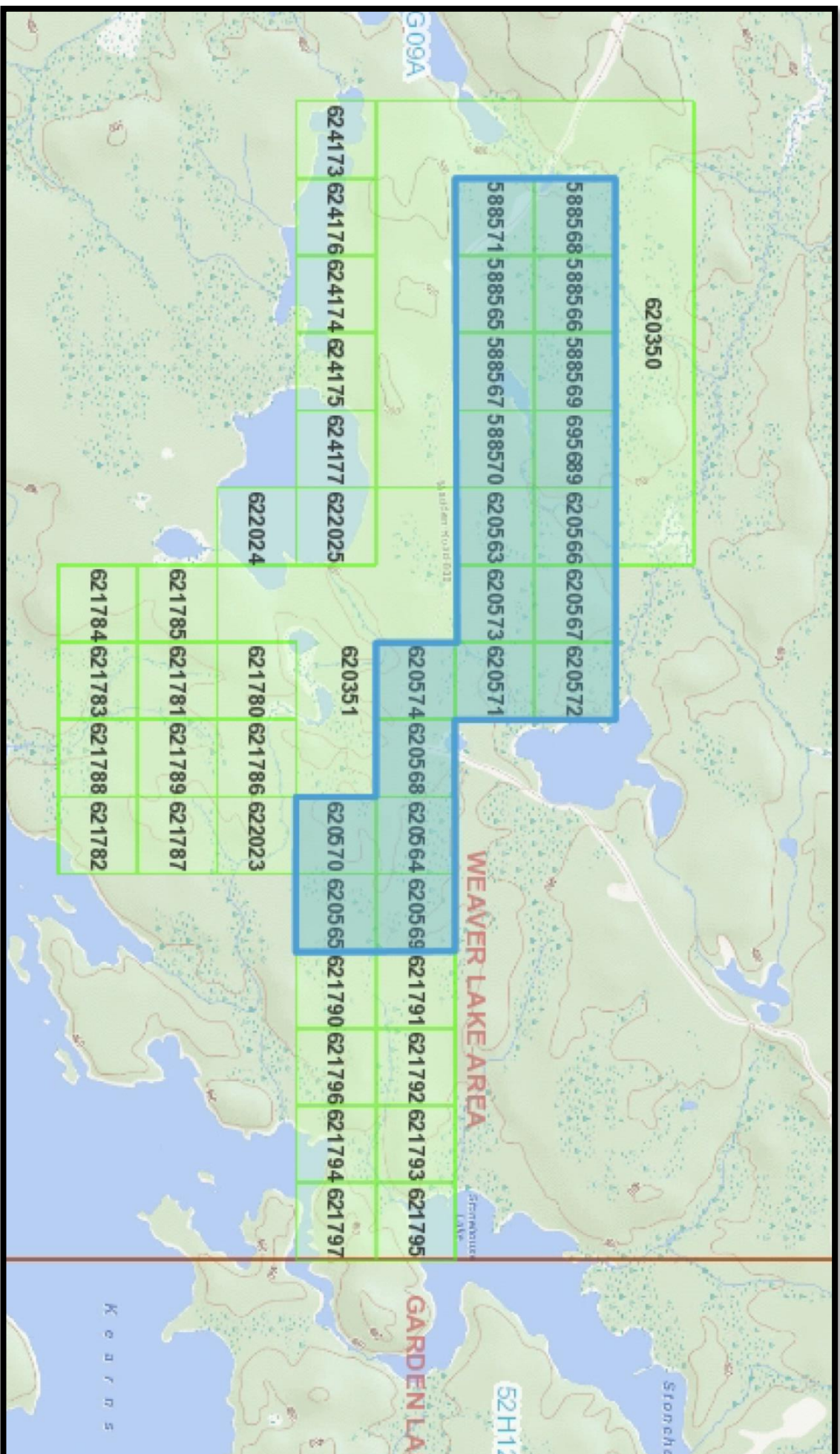
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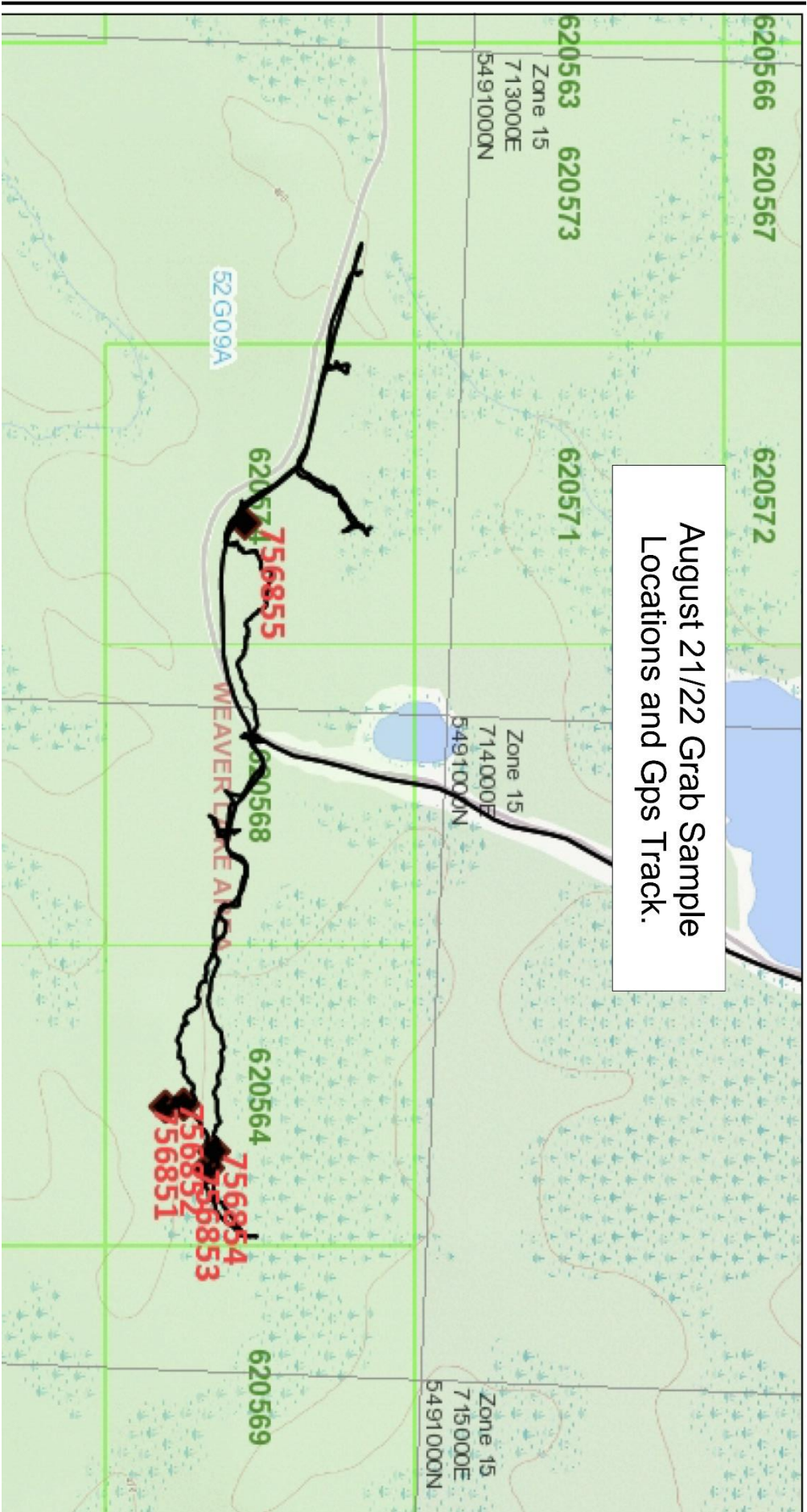


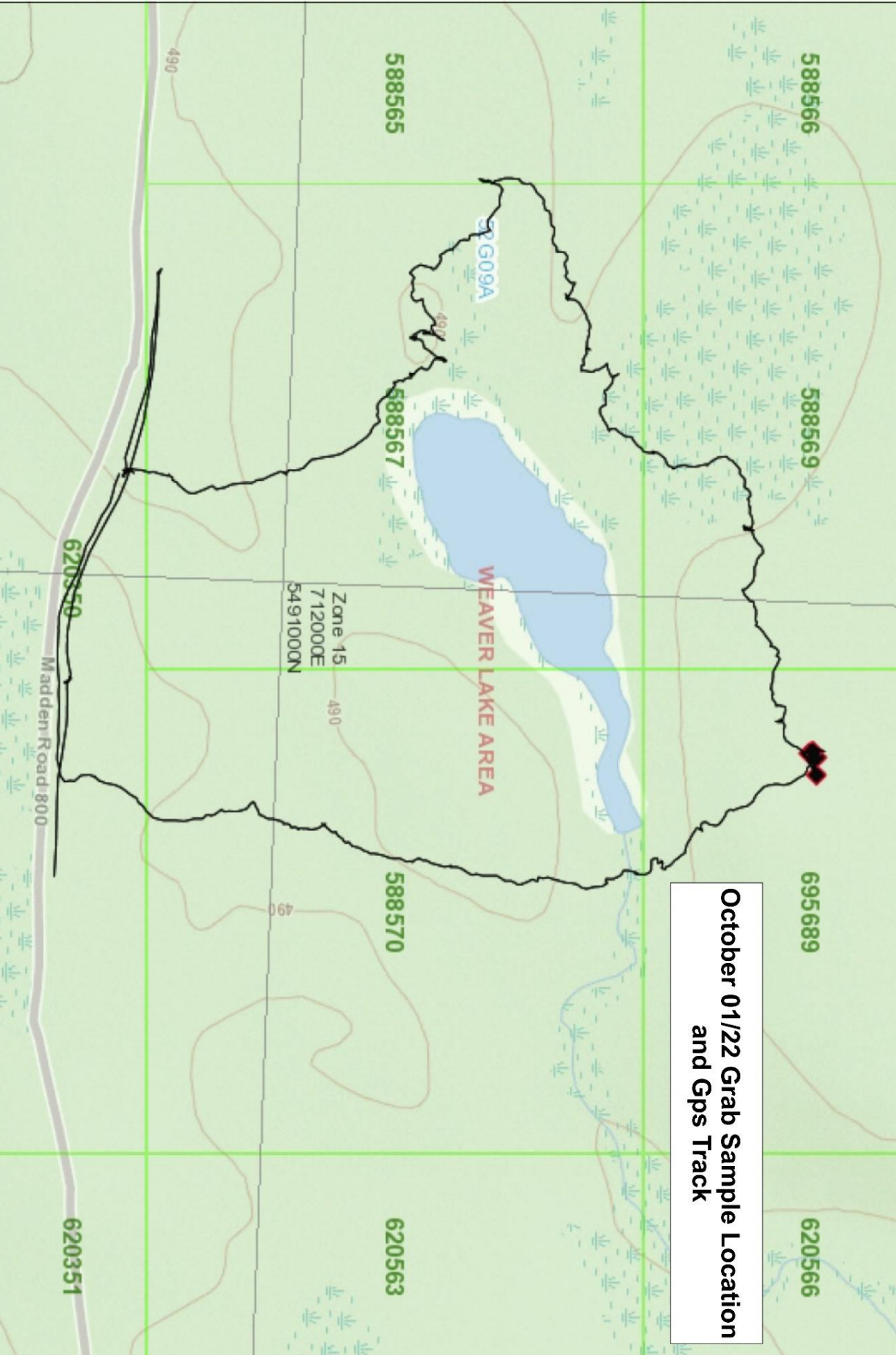
Location Map 1 cm equals 10 km

SYMBOLS^a

- | | |
|--|---|
| Small bedrock outcrop | Cranulation cleavage (magnitude of dip uncertain, inclined with dip) |
| Area of bedrock outcrop | Fault (trend only, inclined) |
| Geological boundary (assumed) | Dextral fault (trend only, inclined) |
| Limit of mapping | Sinistral fault (trend only, inclined) |
| Fault, unknown horizontal component, trend only, interpreted | Shear, unknown horizontal displacement (trend only, magnitude of dip uncertain) |
| Dextral fault, trend only, interpreted | |

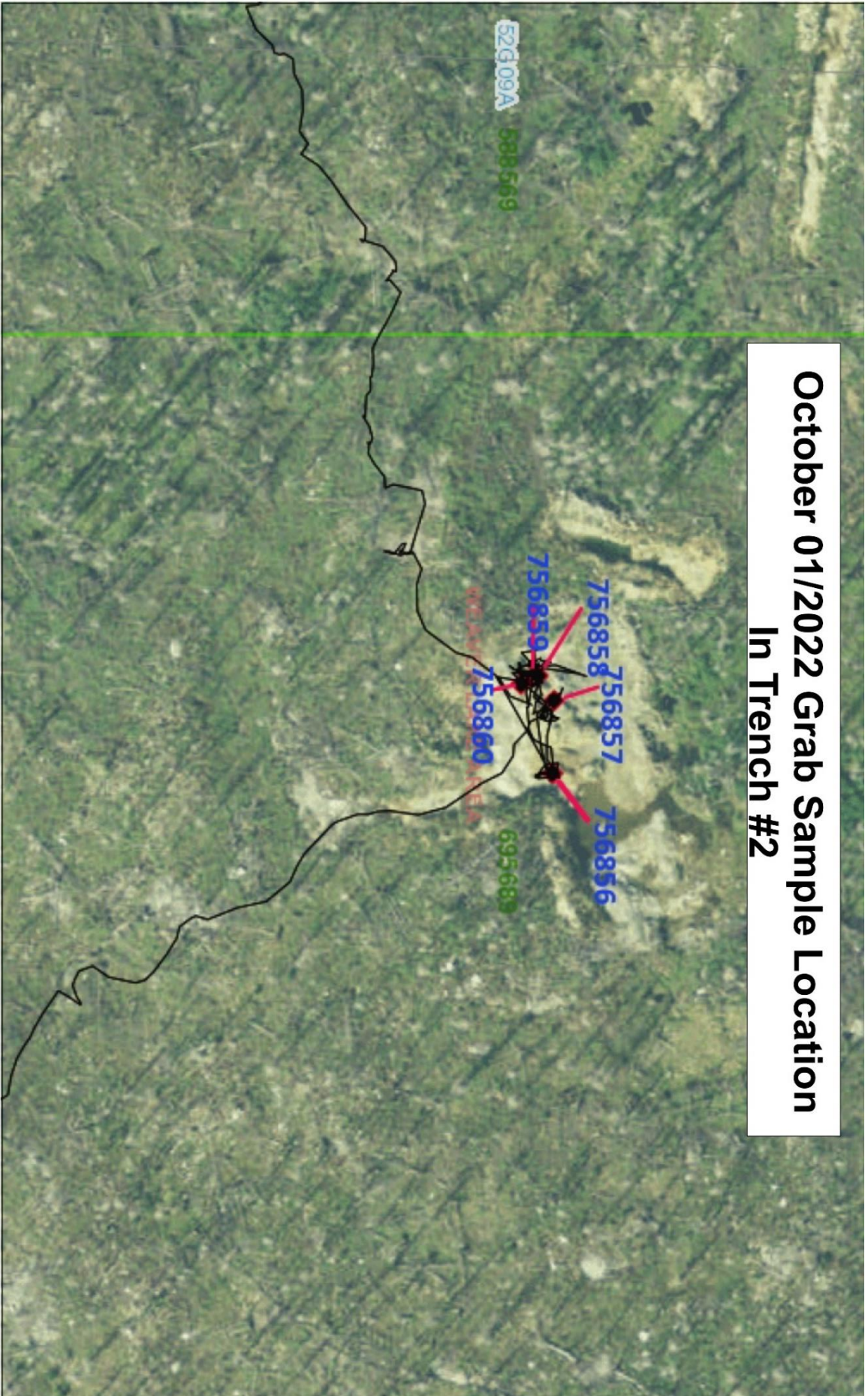






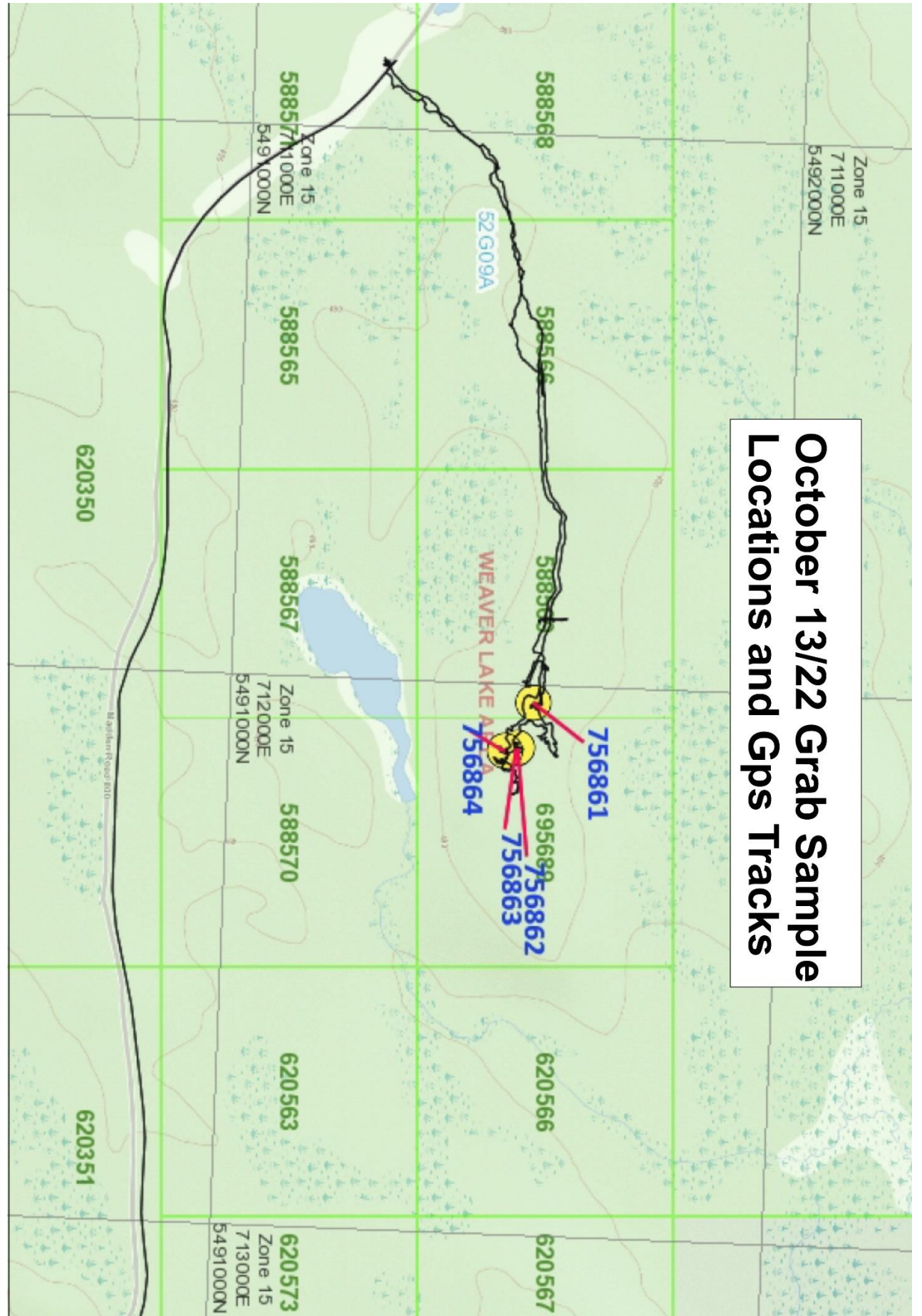
October 01/22 Grab Sample Location
and Gps Track

October 01/2022 Grab Sample Location In Trench #2



Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Northern Development and Mines (NDM) for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Coordinates and accuracy are not

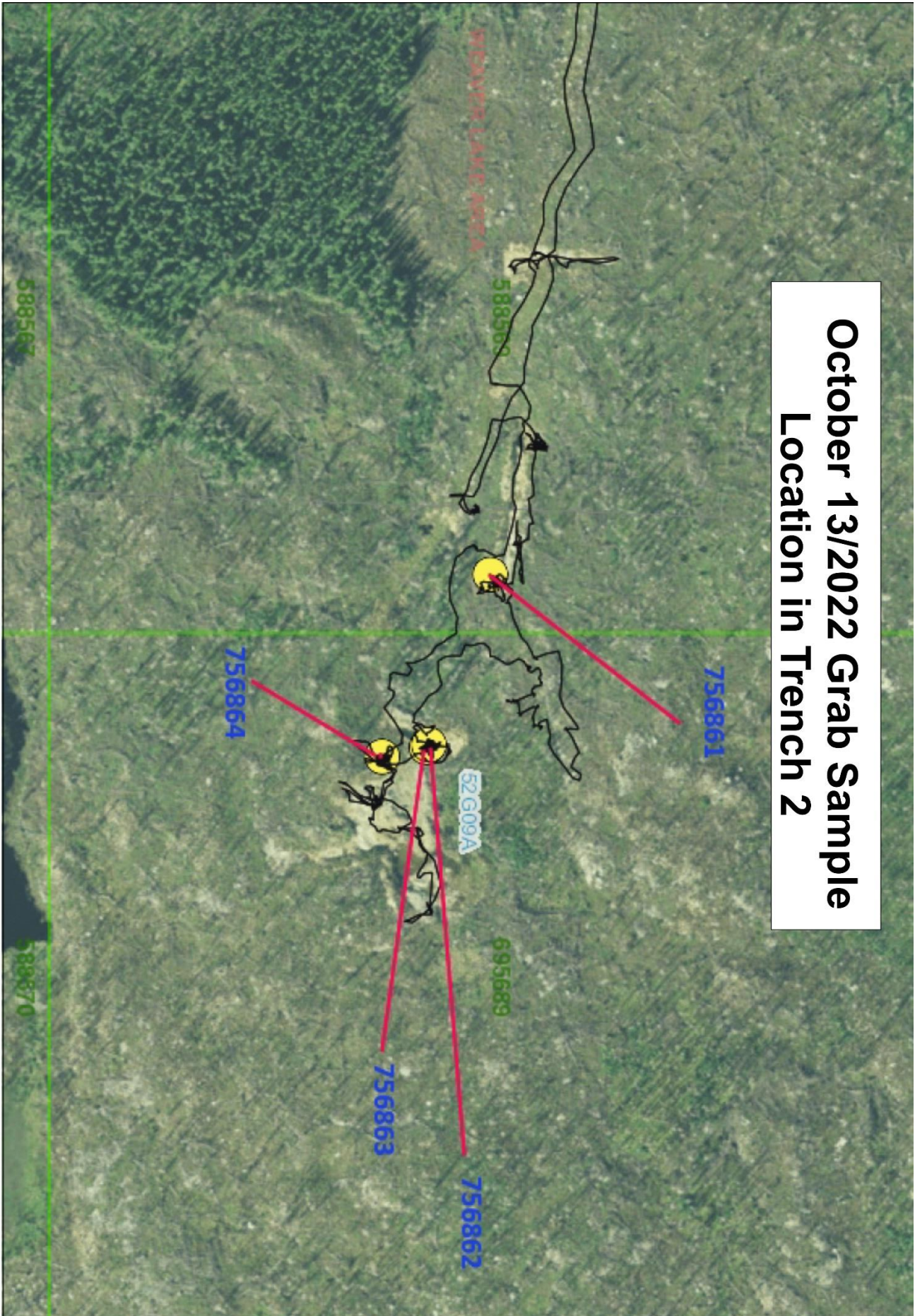
October 13/22 Grab Sample Locations and Gps Tracks



Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Northern Development and Mines (NDM) for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the



October 13/2022 Grab Sample Location in Trench 2



Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Northern Development and Mines (NDM) for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Coordinates and accuracy are not

Daily Work Log

On **August 20/2022** Doug Kakeeway and Clarence Fisher drive from Thunder Bay ON. to the Gem Property in Weaver Lake Area Twp. and set up camp along the (Madden) gravel road on cell 620574. On August 21/22 Doug Kakeeway and Clarence Fisher start prospecting east of the camp on cell 620564. The prospecting was based on locating and sampling the Ministry airborne conductors. The prospecting trip east did not locate the airborne conductors and the terrain was in a Labrador tea swamp. Doug and Clarence did sample 2 area's south of the swamp and took 2 samples from each of the area's. The area of sample **756851** and **756852** was in a manmade clearing roughly 60 meters in diameter with a single drill collar with an azimuth 360 deg and a dip of 45 deg. The geology at the clearing was in mafic volcanic and the 2 samples taken were in roughly 4-inch-wide quartz veins striking roughly east west. On the edge of the swamp Doug and Clarence sample **756853** in rusty felsic volcanic rock and **756854** in a rusty shear in Mafic volcanics. Doug and Clarence return back to Base camp and with time available decide to prospect west of camp. Doug and Clarence take sample **756855** in Mafic volcanic rock with a two-inch white quartz vein. We return to Thunder Bay on August 22/2023.

On **October 01/2022** Doug Kakeeway and Clarence Fisher drive from Thunder Bay ON. to the Gem property located in Weaver Lake Area Twp. We park my truck along the madden gravel road which is located on the south boundry of cell 588567. We walk north to western end of the small lake. After getting around to the north side of the small lake we walked east towards trench #2. After getting to excavator trench #2 located on cell 695689 Clarence and I started to sample the gossan in the trench. I start my sampling with tag 756856 at eastern side of the gossan and proceeded westward with each sample. Each of the five samples (**756856,756857,756858,756859,756860**) were a single grab sample from bedrock. Most of the rock type in trench #2 appears to be Mafic Volcanic. See table on page 16 for a description of each sample. After sampling trench #2 Doug Kakeeway and Clarence Fisher start walking south towards cell 588570 and back onto Madden Road. Doug Kakeeway and Clarence Fisher return to Thunder Bay.

On **October 13 /2022** Doug Kakeeway and Clarence Fisher drive from Thunder Bay ON. with the intention of revisiting the former Benton Mechanical Trenches #2, #3, and #4 located in Weaver Lake Area Twp. We park the vehicle at cell 588568 and start walking towards trench #4 and along the route we followed the old grown in excavator trench road to trench #4. The south end of #4 trench had a approximate 2-metre-wide gossan in Mafic volcanics at the end of the trench and was not sampled. The trench was excavated north to south, and all the trench is in unmineralized Mafic Volcanics.

Doug and Clarence walk about 75 metres east to trench #3. Trench #3 was excavated in an east to west direction with the rock striking northeast to southwest direction. The rock is in sheared mafic volcanic with up to about 20% of felsic volcanics bands and with up to 30 cm in width in eastern half of trench. The western end of trench #3 has a approximate 4-metre-wide gossan and another 2-metre-wide gossan at the eastern end of the trench were Doug and Clarence took sample 856861. We continue to prospect the eastern end of trench #3 and locate the continuation of the gossan 10 metres further east and 10 metres to the south. The untrenched gossan needed to be sampled but due to time constraints the gossan was not sampled. Doug and Clarence walk about 80 metres southeast to the trench #2 area and find a small 10-meter trench close to trench #2 and take two samples (**756862** and **756863**) of float from the excavator gravel pile. Sample 756862 was a 1-ton float from the small 10-meter trench and was oxidized to an almost a black color and heavily chloritized on fresh surface. Sample 756863 was also from the excavator gravel bank of the 10-meter trench and was from a small felsic volcanic float with 1% sulfides. Doug and Clarence walk about 20 meters south and come upon trench #2 excavator gravel pile. On top of the gravel pile was a rusty angular float about 2ft high x 2ft long and 1ft wide. Doug and Clarence hammer a piece off the float and surprisingly notice the sample had visible Sphalerite and a 3-inch wide massive pyrrhotite in contact with the Sphalerite. Doug and Clarence take one composite sample (**756864**) from the float and started walking to the truck then returned home to Thunder Bay ON.

ample Tag	Cell Prospected	Assay Lab W.O	Date	UTM	Northing	Easting	Sample Description
756851	620564	22B936351	Aug 21/2022	15u	714604	5490601	Mafic Vol. with 4" Qtz. Vein
756852	620564	22B936351	Aug 21/2022	15u	714600	5490628	Mafic Vol. with 4" Rusty Qtz. Vein
756853	620564	22B936351	Aug 21/2022	15u	714693	5490668	Cherty Felsic Vol. very rusty No sulf.
756854	620564	22B936351	Aug 21/2022	15u	714668	5490676	Rusty shear
756855	620574	22B936351	Aug 21/2022	15u	713722	5490685	Rusty white qtz vein.
756856	695689	22B952993	Oct 01/2022	15u	712161	5491504	Rusty sercite schist 1% Py
756857	695689	22B952993	Oct 01/2022	15u	712144	5491503	Felsic Volcanics with 14.5% Zinc
756858	695689	22B952993	Oct 01/2022	15u	712139	5491498	6" White Qtz vein with 1% Py.
756859	695689	22B952993	Oct 01/2022	15u	712141	5491496	Dark Gray Mafic Volcanics with qtz and 1% Po. .5% Zn and .25% Ni
756860	695689	22B952993	Oct 01/2022	15u	712139	5491500	Felsic Volcanics with 2% Po
756861	588569	22B963833	Oct 13/2022	15u	712032	5491549	Massive Po. With 1000ppm Cu and 883ppm Ni
756862	695689	22B963833	Oct 13/2022	15u	712116	5491522	Rusty Trench Float
756863	695689	22B963833	Oct 13/2022	15u	712115	5491523	Rusty Trench Float
756864	695689	22B963833	Oct 13/2022	15u	712121	5491501	Zinc float on trench 2 gravel pile/ 7.3% Zn and .5% Ni



756856 Grab Sample From Trench 2 at the Gem Property



756856 Grab Sample Outcrop From Trench 2 at the Gem Property



756857 Grab Sample from Trench 2. Assayed 14.5% Zinc



756857 Grab Sample Outcrop From Trench 2 at the Gem Property with 14.5% Zinc Assay



Grab Sample 756858 from Trench 2



Grab Sample 756859 from Trench 2



Trench 2, Gem Property



Grab Sample 756860 From Trench 2



CLIENT NAME: MISC AGAT CLIENT ON, ON
ATTENTION TO: Doug Kakeeway
PROJECT:
AGAT WORK ORDER: 22B936351
SOLID ANALYSIS REVIEWED BY: Sara Ansari Noghlebari, Lab Technician
DATE REPORTED: Sep 12, 2022
PAGES (INCLUDING COVER): 8

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.
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- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.
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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.



Certificate of Analysis

AGAT WORK ORDER: 22B936351

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: Doug Kakeeway

(200-) Sample Login Weight

DATE SAMPLED: Aug 22, 2022

DATE RECEIVED: Aug 23, 2022

DATE REPORTED: Sep 12, 2022

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.005
756851 (4231983)		0.446
756852 (4231984)		0.778
756853 (4231985)		1.053
756854 (4231986)		0.607
756855 (4231987)		0.571

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 22B936351

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: Doug Kakeeway

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

DATE SAMPLED: Aug 22, 2022

DATE RECEIVED: Aug 23, 2022

DATE REPORTED: Sep 12, 2022

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.002
756851 (4231983)			<0.002
756852 (4231984)			<0.002
756853 (4231985)			0.008
756854 (4231986)			<0.002
756855 (4231987)			0.022

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 22B936351

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: Doug Kakeeway

Sieving - % Passing (Crushing)

DATE SAMPLED: Aug 22, 2022

DATE RECEIVED: Aug 23, 2022

DATE REPORTED: Sep 12, 2022

SAMPLE TYPE: Rock

Analyte: Crush-Pass
%

Unit: %

Sample ID (AGAT ID) RDL: 0.01

756851 (4231983) 89.15

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 22B936351

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: Doug Kakeeway

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Aug 22, 2022

DATE RECEIVED: Aug 23, 2022

DATE REPORTED: Sep 12, 2022

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Pul-Pass %	Unit: %	RDL: 0.01
756851 (4231983)			90
756852 (4231984)			88

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

Parameter	Sample ID	REPLICATE #1			RPD									
		Original	Replicate	RPD										
Au	4231984	<0.002	<0.002	0%										



AGAT Laboratories

Quality Assurance - Certified Reference materials
AGAT WORK ORDER: 22B936351
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: Doug Kakeeway

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

Parameter	CRM #1 (ref.GSP5H)				Limits									
	Expect	Actual	Recovery											
Au	0.50	0.48												



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 22B936351

PROJECT:

ATTENTION TO: Doug Kakeeway

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-12019	BUGBEE, E: A Textbook of Fire Assaying	AA
Crush-Pass %			BALANCE
Pul-Pass %			BALANCE



CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: Doug Kakeeway

PROJECT:

AGAT WORK ORDER: 22B952993

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Nov 03, 2022

PAGES (INCLUDING COVER): 13

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.
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- The test results reported herewith relate only to the samples as received by the laboratory.
- Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.
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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.



Certificate of Analysis

AGAT WORK ORDER: 22B952993

PROJECT:

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

(200-) Sample Login Weight

DATE SAMPLED: Oct 03, 2022	DATE RECEIVED: Oct 04, 2022	DATE REPORTED: Nov 03, 2022	SAMPLE TYPE: Rock
----------------------------	-----------------------------	-----------------------------	-------------------

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.005
756856 (4374540)		0.696
756857 (4374541)		1.021
756858 (4374542)		0.500
756859 (4374543)		0.660
756860 (4374544)		0.910

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 22B952993

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: Doug Kakeeway

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Oct 03, 2022		DATE RECEIVED: Oct 04, 2022					DATE REPORTED: Nov 03, 2022					SAMPLE TYPE: Rock				
	Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	
	Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
Sample ID (AGAT ID)	RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
756856 (4374540)		<0.2	2.72	<1	<5	11	<0.5	6	0.03	<0.5	4	14.4	637	160	19.1	
756857 (4374541)		1.6	2.54	<1	<5	1	<0.5	11	0.07	248	4	531	396	203	12.2	
756858 (4374542)		<0.2	0.03	<1	<5	<1	<0.5	<1	0.02	<0.5	<1	19.5	500	301	0.97	
756859 (4374543)		0.3	2.42	2	<5	2	<0.5	4	0.14	8.2	4	250	489	320	11.5	
756860 (4374544)		0.9	1.07	<1	<5	<1	<0.5	<1	0.08	1.3	2	351	451	764	6.13	
	Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
	Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
756856 (4374540)		23	<1	<1	0.06	2	5	1.96	269	0.6	<0.01	153	310	169	<10	
756857 (4374541)		28	265	<1	<0.01	2	7	1.50	564	1.8	<0.01	315	191	158	<10	
756858 (4374542)		<5	1	<1	<0.01	<1	<1	0.02	23	0.8	<0.01	44.1	<10	14.6	<10	
756859 (4374543)		11	6	<1	0.01	2	8	1.42	309	1.2	0.03	2590	318	156	<10	
756860 (4374544)		<5	2	<1	<0.01	<1	3	0.65	141	1.3	0.01	1200	130	117	<10	
	Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
	Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
756856 (4374540)		0.82	6	32.4	<10	<5	0.8	<10	24	<5	0.05	<5	15	229	<1	
756857 (4374541)		13.8	8	18.1	<10	<5	0.9	<10	20	<5	0.03	<5	9	194	<1	
756858 (4374542)		0.66	4	<0.5	<10	<5	<0.5	<10	<10	<5	<0.01	<5	<5	5.1	<1	
756859 (4374543)		6.83	4	18.2	<10	<5	3.9	<10	19	<5	0.02	<5	8	172	<1	
756860 (4374544)		5.32	3	9.0	<10	<5	1.9	<10	11	<5	<0.01	<5	5	88.1	<1	
	Analyte:	Y	Zn	Zr												
	Unit:	ppm	ppm	ppm												
Sample ID (AGAT ID)	RDL:	1	0.5	5												
756856 (4374540)		1	151	10												
756857 (4374541)		1	>10000	5												
756858 (4374542)		<1	172	<5												
756859 (4374543)		2	5210	5												
756860 (4374544)		<1	860	<5												

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 22B952993

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Oct 03, 2022

DATE RECEIVED: Oct 04, 2022

DATE REPORTED: Nov 03, 2022

SAMPLE TYPE: Rock

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: 22B952993

PROJECT:

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

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

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

DATE SAMPLED: Oct 03, 2022

DATE RECEIVED: Oct 04, 2022

DATE REPORTED: Nov 03, 2022

SAMPLE TYPE: Rock

Analyte:	Zn
Unit:	%
Sample ID (AGAT ID)	RDL: 0.005
756857 (4374541)	14.5

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: 22B952993

PROJECT:

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CANADA L4Z 1N9
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FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

DATE SAMPLED: Oct 03, 2022

DATE RECEIVED: Oct 04, 2022

DATE REPORTED: Nov 03, 2022

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.002
756856 (4374540)			0.012
756857 (4374541)			0.066
756858 (4374542)			<0.002
756859 (4374543)			0.003
756860 (4374544)			0.005

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 22B952993

PROJECT:

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

ATTENTION TO: Doug Kakeeway

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 03, 2022

DATE RECEIVED: Oct 04, 2022

DATE REPORTED: Nov 03, 2022

SAMPLE TYPE: Rock

Analyte: Crush-Pass
%

Unit: %

Sample ID (AGAT ID) RDL: 0.01

756856 (4374540) 90

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 22B952993

PROJECT:

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Oct 03, 2022

DATE RECEIVED: Oct 04, 2022

DATE REPORTED: Nov 03, 2022

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Pul-Pass %	Unit: %	RDL: 0.01
756856 (4374540)			93
756857 (4374541)			96

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	REPLICATE #1				RPD													
	Sample ID	Original	Replicate	RPD														
Ag	4374541	1.60	1.53	4.5%														
Al	4374541	2.54	2.52	0.8%														
As	4374541	< 1	< 1	0.0%														
B	4374541	< 5	< 5	0.0%														
Ba	4374541	1	1	0.0%														
Be	4374541	< 0.5	< 0.5	0.0%														
Bi	4374541	11	12	8.7%														
Ca	4374541	0.075	0.076	1.3%														
Cd	4374541	248	252	1.6%														
Ce	4374541	4	4	0.0%														
Co	4374541	531	541	1.9%														
Cr	4374541	396	408	3.0%														
Cu	4374541	203	208	2.4%														
Fe	4374541	12.2	12.2	0.0%														
Ga	4374541	28	29	3.5%														
Hg	4374541	265	269	1.5%														
In	4374541	< 1	< 1	0.0%														
K	4374541	< 0.01	0.01															
La	4374541	2	2	0.0%														
Li	4374541	7	7	0.0%														
Mg	4374541	1.50	1.49	0.7%														
Mn	4374541	564	554	1.8%														
Mo	4374541	1.8	2.3	24.4%														
Na	4374541	< 0.01	< 0.01	0.0%														
Ni	4374541	315	317	0.6%														
P	4374541	191	202	5.6%														
Pb	4374541	158	162	2.5%														
Rb	4374541	< 10	< 10	0.0%														
S	4374541	13.8	14.1	2.2%														
Sb	4374541	8	9	11.8%														
Sc	4374541	18.1	18.3	1.1%														



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

Se	4374541	< 10	< 10	0.0%														
Sn	4374541	< 5	< 5	0.0%														
Sr	4374541	0.9	0.9	0.0%														
Ta	4374541	< 10	< 10	0.0%														
Te	4374541	20	24	18.2%														
Th	4374541	< 5	< 5	0.0%														
Ti	4374541	0.03	0.03	0.0%														
Tl	4374541	< 5	< 5	0.0%														
U	4374541	9	9	0.0%														
V	4374541	194	198	2.0%														
W	4374541	< 1	< 1	0.0%														
Y	4374541	1	1	0.0%														
Zn	4374541	>10000	>10000	0.0%														
Zr	4374541	5	5	0.0%														

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

REPLICATE #1																		
Parameter	Sample ID	Original	Replicate	RPD														
Zn	4374541	14.5	14.1	2.8%														

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

REPLICATE #1																		
Parameter	Sample ID	Original	Replicate	RPD														
Au	4374541	0.066	0.074	11.5%														



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	CRM #1 (ref.ME-1206)				CRM #2 (ref.CM48)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Ag	274	269	98%													
Cu	7900	7945	101%													
Pb	8010	7871	98%													
Zn	23800	22198	93%													

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

Parameter	CRM #1 (ref.GSP5H)				CRM #2 (ref.CM48)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	0.50	0.45			3.46	3.75										



Method Summary

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

AGAT WORK ORDER: 22B952993
 ATTENTION TO: Doug Kakeaway
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Al	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
As	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
B	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ba	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Be	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Bi	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ca	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Cd	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ce	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Co	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Cr	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Cu	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Fe	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ga	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Hg	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
In	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
K	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
La	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Li	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Mg	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Mn	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Mo	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Na	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ni	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
P	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Pb	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 22B952993

PROJECT:

ATTENTION TO: Doug Kakeaway

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Rb	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
S	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sb	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sc	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Se	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sn	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sr	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ta	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Te	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Th	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ti	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Tl	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
U	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
V	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
W	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Y	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Zn	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Zr	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Zn	MIN-200-12001/MIN-200-12049	Bozic, J et. al. Analyst. 114: 1401-1403; 1989	ICP/OES
Au	MIN-12019	BUGBEE, E: A Textbook of Fire Assaying	AA
Crush-Pass %			BALANCE
Pul-Pass %			BALANCE



CLIENT NAME: MISC AGAT CLIENT ON, ON
ATTENTION TO: Doug Kakeeway
PROJECT:
AGAT WORK ORDER: 22B963833
DATE REPORTED: Nov 17, 2022
PAGES (INCLUDING COVER): 11

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

*Notes

Disclaimer:

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- 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.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- 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: 22B963833

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: Doug Kakeeway

(200-) Sample Login Weight

DATE SAMPLED: Oct 30, 2022

DATE RECEIVED: Oct 28, 2022

DATE REPORTED: Nov 17, 2022

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.005
756861 (4471516)		1.327
756862 (4471517)		0.534
756863 (4471518)		1.400
756864 (4471519)		1.620

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 22B963833

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: Doug Kakeeway

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Oct 30, 2022	DATE RECEIVED: Oct 28, 2022					DATE REPORTED: Nov 17, 2022					SAMPLE TYPE: Rock				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
Sample ID (AGAT ID)															
756861 (4471516)	<0.2	3.15	4	<5	4	<0.5	<1	1.79	<0.5	6	183	143	1000	25.7	
756862 (4471517)	<0.2	2.14	1	<5	2	<0.5	<1	0.12	<0.5	9	53.4	351	308	5.78	
756863 (4471518)	<0.2	4.20	<1	<5	8	<0.5	<1	2.78	<0.5	5	63.9	147	317	7.03	
756864 (4471519)	3.2	0.67	<1	<5	1	<0.5	<1	0.12	129	4	291	235	287	15.7	
Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
Sample ID (AGAT ID)															
756861 (4471516)	36	<1	<1	<0.01	<1	8	0.48	207	4.9	0.09	883	121	20.0	12	
756862 (4471517)	13	<1	<1	<0.01	<1	8	1.32	374	0.6	<0.01	254	245	3.1	10	
756863 (4471518)	15	9	<1	0.02	<1	7	0.31	185	1.7	0.21	151	218	4.3	<10	
756864 (4471519)	15	152	<1	<0.01	<1	5	0.34	177	3.0	0.02	5100	510	693	<10	
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
Sample ID (AGAT ID)															
756861 (4471516)	16.4	3	2.2	<10	<5	8.5	<10	48	<5	<0.01	<5	58	44.2	9	
756862 (4471517)	1.47	<1	9.1	<10	<5	0.7	<10	<10	<5	0.03	<5	6	148	1	
756863 (4471518)	4.57	2	2.2	<10	<5	24.9	<10	12	<5	0.05	<5	15	31.4	<1	
756864 (4471519)	13.4	1	2.9	<10	<5	1.6	<10	29	<5	<0.01	<5	34	45.5	390	
Analyte:	Y	Zn	Zr												
Unit:	ppm	ppm	ppm												
RDL:	1	0.5	5												
Sample ID (AGAT ID)															
756861 (4471516)	2	64.2	<5												
756862 (4471517)	2	42.8	<5												
756863 (4471518)	2	20.8	<5												
756864 (4471519)	2	70300	<5												

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: 22B963833

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: Doug Kakeeway

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

DATE SAMPLED: Oct 30, 2022	DATE RECEIVED: Oct 28, 2022	DATE REPORTED: Nov 17, 2022	SAMPLE TYPE: Rock
Analyte: Au	Unit: ppm	RDL: 0.002	
Sample ID (AGAT ID)			
756861 (4471516)		0.116	
756862 (4471517)		0.009	
756863 (4471518)		0.057	
756864 (4471519)		0.037	

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 22B963833

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: Doug Kakeeway

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 30, 2022

DATE RECEIVED: Oct 28, 2022

DATE REPORTED: Nov 17, 2022

SAMPLE TYPE: Rock

Analyte: Crush-Pass
%

Unit: %

Sample ID (AGAT ID) RDL: 0.01

756861 (4471516) 86

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 22B963833

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: Doug Kakeeway

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Oct 30, 2022

DATE RECEIVED: Oct 28, 2022

DATE REPORTED: Nov 17, 2022

SAMPLE TYPE: Rock

	Analyte: Pul-Pass %	Unit: %	RDL: 0.01
Sample ID (AGAT ID)			
756861 (4471516)			93
756862 (4471517)			90

Comments: RDL - Reported Detection Limit

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

Insufficient Sample : IS

Sample Not Received : SNR

Certified By: _____



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	REPLICATE #1				RPD													
	Sample ID	Original	Replicate	RPD														
Ag	4471517	< 0.2	< 0.2	0.0%														
Al	4471517	2.14	2.09	2.4%														
As	4471517	1	1	0.0%														
B	4471517	< 5	< 5	0.0%														
Ba	4471517	2	2	0.0%														
Be	4471517	< 0.5	< 0.5	0.0%														
Bi	4471517	< 1	< 1	0.0%														
Ca	4471517	0.120	0.113	6.0%														
Cd	4471517	< 0.5	< 0.5	0.0%														
Ce	4471517	9	9	0.0%														
Co	4471517	53.4	54.3	1.7%														
Cr	4471517	351	371	5.5%														
Cu	4471517	308	305	1.0%														
Fe	4471517	5.78	5.76	0.3%														
Ga	4471517	13	15	14.3%														
Hg	4471517	< 1	< 1	0.0%														
In	4471517	< 1	< 1	0.0%														
K	4471517	< 0.01	< 0.01	0.0%														
La	4471517	< 1	< 1	0.0%														
Li	4471517	8	7	13.3%														
Mg	4471517	1.32	1.30	1.5%														
Mn	4471517	374	340	9.5%														
Mo	4471517	0.6	0.8	28.6%														
Na	4471517	< 0.01	< 0.01	0.0%														
Ni	4471517	254	263	3.5%														
P	4471517	245	255	4.0%														
Pb	4471517	3.1	2.1															
Rb	4471517	10	8	22.2%														
S	4471517	1.47	1.50	2.0%														
Sb	4471517	< 1	5															
Sc	4471517	9.13	8.94	2.1%														



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

Se	4471517	< 10	< 10	0.0%															
Sn	4471517	< 5	< 5	0.0%															
Sr	4471517	0.7	0.7	0.0%															
Ta	4471517	< 10	< 10	0.0%															
Te	4471517	10	10	0.0%															
Th	4471517	< 5	< 5	0.0%															
Ti	4471517	0.03	0.03	0.0%															
Tl	4471517	< 5	< 5	0.0%															
U	4471517	6	7	15.4%															
V	4471517	148	149	0.7%															
W	4471517	1	2																
Y	4471517	2	2	0.0%															
Zn	4471517	42.8	42.6	0.5%															
Zr	4471517	< 5	< 5	0.0%															
(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)																			
		REPLICATE #1																	
Parameter	Sample ID	Original	Replicate	RPD															
Au	4471517	0.009	0.007	20.5%															



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Doug Kakeeway

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	CRM #1 (ref.ME-1206)				Limits										
	Expect	Actual	Recovery												
Ag	274	293	107%												
Cu	7900	8417	107%												
Pb	8010	7345	92%												
Zn	23800	22328	94%												

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

Parameter	CRM #1 (ref.GSP5H)				Limits										
	Expect	Actual	Recovery												
Au	0.50	0.46													



Method Summary

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

AGAT WORK ORDER: 22B963833
 ATTENTION TO: Doug Kakeaway
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Al	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
As	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
B	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ba	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Be	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Bi	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ca	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Cd	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ce	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Co	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Cr	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Cu	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Fe	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ga	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Hg	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
In	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
K	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
La	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Li	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Mg	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Mn	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Mo	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Na	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ni	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
P	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Pb	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES



Method Summary

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

AGAT WORK ORDER: 22B963833
 ATTENTION TO: Doug Kakeaway
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Rb	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
S	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sb	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sc	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Se	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sn	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sr	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ta	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Te	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Th	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ti	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Tl	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
U	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
V	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
W	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Y	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Zn	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Zr	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Au	MIN-12019	BUGBEE, E: A Textbook of Fire Assaying	AA
Crush-Pass %			BALANCE
Pul-Pass %			BALANCE