

We are committed to providing [accessible customer service](#).

If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).

Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).

N.T.S. 31C/11

**REPORT ON GEOLOGY, ROCK SAMPLING
AND
ENERGY-DISPERSIVE SPECTROMETER (EDS)
EXAMINATION OF ROCK SAMPLES
McCOWAN PROPERTY
PORQUINE MINING DIVISION
McCOWAN TOWNSHIP, ONTARIO**

**Written by: Dr. Jim Renaud
London, Ontario
&
Robert J. Dillman 8901 Reily Drive
Mount Brydges, Ontario**

For: JayCubed Explorations

January 30, 2019

I N D E X

	page
Summary	1
Location, Property Ownership, Access	1
Claim Logistics	3
Land Status and Topography	6
Regional and Local Geology	6
History of Exploration	8
Survey Dates and Personnel	14
Survey Logistics	14
Results of the Geological Survey	16
Results of Rock Sampling	24
Results of the Energy-Dispersive Spectrometer (EDS) Examination of Rock Samples	28
Discussion of Results	43
Conclusions and Recommendations	46
References	46
Certificates of Author's	48
Figure 1. Property Location Map	2
Figure 2. Claim Map & Location of Work	4
Figure 3. Regional Geology Map	7
Figure 4. Google Earth Images: Miller Gold Occurrence	9
Figure 5. Trench-1 Smith (1987)	11
Figure 6. Trench-2 Smith (1987)	12
Figure 7. Trench-3 Smith (1987)	13
Figure 8. Greywacke Sample	18
Figure 9. Porphyry Sample	18
Figure 10. Quartz Sample	18
Figure 11. Trench-1: Quartz stringers in greywacke	20
Figure 12. Trench-1: Rusty, pyrite horizon in greywacke	21
Figure 13. Quartz stringers with pyrite beside McCowan Road	22
Figure 14. Trench-2: Quartz vein in outcrop	23
Figure 15. Trench-1: Geology and Rock Sample Map	25
Figure 16. Trench-2: Geology and Rock Sample Map	26
Figure 17. Trench-3: Geology and Rock Sample Map	27
Figure 18. Rock Sample TR-6, Thin Section A	29
Figure 19. Rock Sample TR-6, Thin Section A	30

I N D E X continued

	page
Figure 20. Rock Sample TR-6, Thin Section B	31
Figure 21. Rock Sample TR-6, Thin Section B Lead-Sulphur-Arsenic Spectra	32
Figure 22. Rock Sample TR-7, Thin Section A	33
Figure 23. Rock Sample TR-7, Thin Section A	34
Figure 24. Rock Sample TR-7, Thin Section B	35
Figure 25. Rock Sample TR-9, Thin Section A	36
Figure 26. Rock Sample TR-9, Thin Section A	37
Figure 27. Rock Sample TR-9, Thin Section B	38
Figure 28. Rock Sample TR-9, Thin Section C	39
Figure 29. Rock Sample TR-12, Thin Section A	40
Figure 30. Rock Sample TR-12, Thin Section B	41
Figure 31. Rock Sample TR-12, Thin Section C	42
Figure 32. Trench-2: Silicified greywacke & quartz	43
Figure 33. Trench-2: Quartz with silicified fragments of greywacke + arsenopyrite	44
Table I. Claim Logistics	5
Table II. Table of Formations: Miller Property	17
Table III. Summary of Best Rock Sample Assays	28
APPENDIX	
G.P.S. Waypoint Data For Survey Lines and Traverses	50
Rock Sample Locations, Descriptions and Assay Results	51
Assay Certificates	55
GEOLOGY MAP: SCALE 1 :2,500	65

Summary

This report summarizes a geological survey, rock sampling and electron microprobe examination of rock samples from the Miller gold occurrence on McCowan Property located in McCowan Township, Ontario. Field work for the surveys was completed by property owner: Dr. Jim Renaud in 4 days between September 8, 2017 and September 13, 2017. Field work was assisted by property owners: James Chard and Robert Dillman. Five days in November 2017 were also spent examining and photographing minerals in rock samples using an energy-dispersive spectrometer (EDS). The work was performed for JayCubed Explorations.

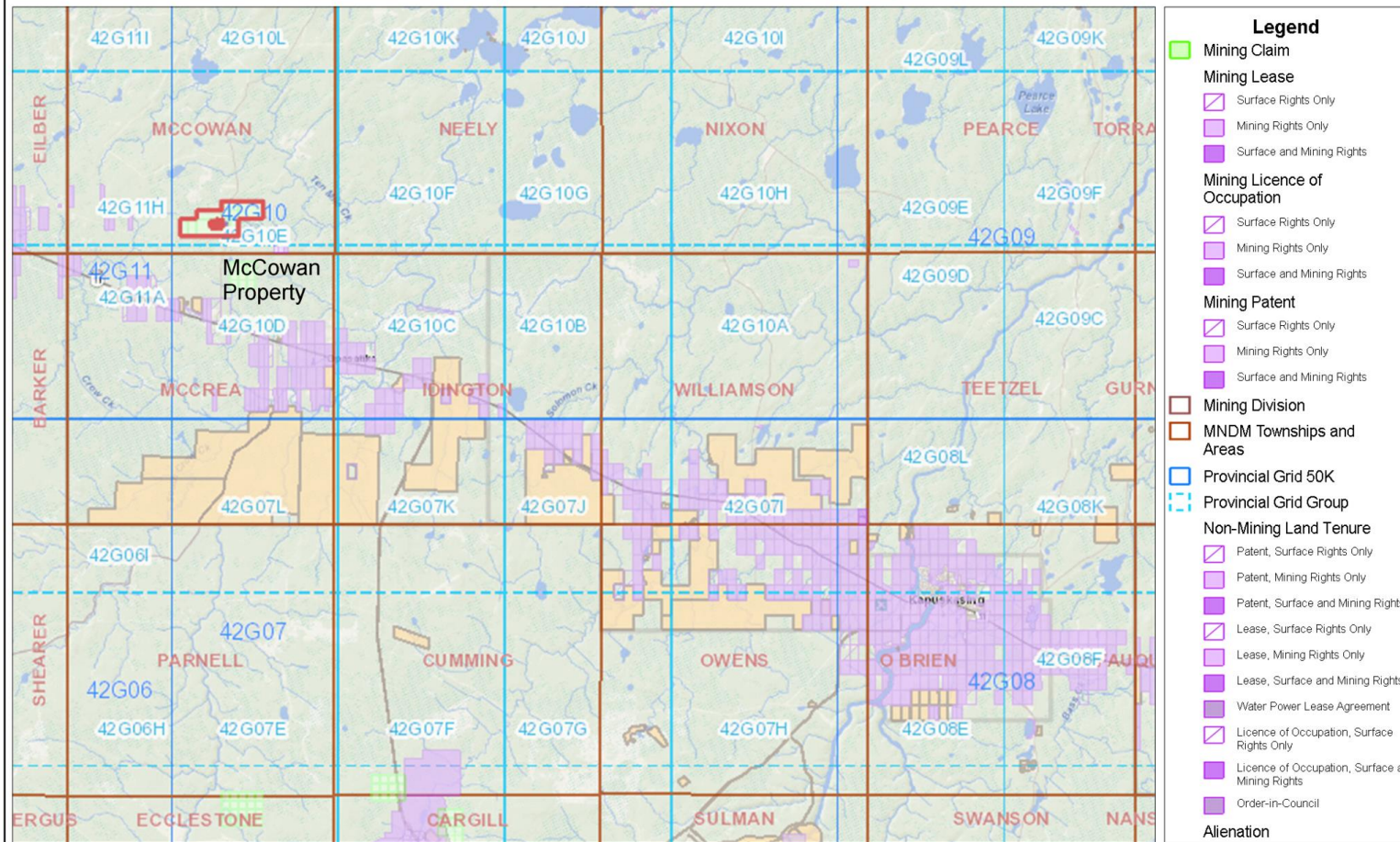
Outcrops observed during the geological survey consist of metasedimentary greywacke and minor mafic metavolcanic flows. Rock units trend N72°E to N82°E and dip vertically to steeply north and south. All the outcrops observed contain thin quartz stringer stockwork systems trending parallel to the schistosity of the greywacke. In the vicinity of the Miller gold occurrence, outcrops are sheared and have been intruded by quartz porphyry and diabase. Historic trenches expose a large quartz vein and sheared greywacke well-mineralized with arsenopyrite, minor sphalerite and galena. A total of 23 rock samples were collected from various mineralized zones. Gold values ranging 0.157 ppm to 1.83 ppm were obtained from arsenopyrite rich quartz samples taken from loose material found within the trenches.

Location and Access

The McCowan Property is located in McCowan Township in the District of Cochrane, Ontario. The property is located approximately 46 kilometres west of Kapuskasing, Ontario, Canada (Figure 1).

The property has good year-round road access via the McCowan Road which crosses the property. The McCowan Road connects with the Trans-Canada Highway 11, 44 kms west of Kapuskasing.

A logging road connecting with the McCowan Road provides access to the Miller gold occurrence. The intersection of the logging road is 2 kms north of the Trans-Canada Highway.



Legend

- Mining Claim
- Mining Lease**
 - ▨ Surface Rights Only
 - ▨ Mining Rights Only
 - ▨ Surface and Mining Rights
- Mining Licence of Occupation**
 - ▨ Surface Rights Only
 - ▨ Mining Rights Only
 - ▨ Surface and Mining Rights
- Mining Patent**
 - ▨ Surface Rights Only
 - ▨ Mining Rights Only
 - ▨ Surface and Mining Rights
- Mining Division
- MNDM Townships and Areas
- Provincial Grid 50K
- Provincial Grid Group
- Non-Mining Land Tenure**
 - ▨ Patent, Surface Rights Only
 - ▨ Patent, Mining Rights Only
 - ▨ Patent, Surface and Mining Rights
 - ▨ Lease, Surface Rights Only
 - ▨ Lease, Mining Rights Only
 - ▨ Lease, Surface and Mining Rights
 - ▨ Water Power Lease Agreement
 - ▨ Licence of Occupation, Surface Rights Only
 - ▨ Licence of Occupation, Surface and Mining Rights
 - ▨ Order-in-Council
- Alienation**

0 14.60 km

Projection: Web Mercator



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

Imagery Copyright Notices: Ontario Ministry of Natural Resources and Forestry; NASA Landsat Program; First Base Solutions Inc.; Aéro-Photo (1961) Inc.; DigitalGlobe Inc.; U.S. Geological Survey.

© Queen's Printer for Ontario, 2019



Claim Logistics

Figure 2 depicts the McCowan Property at the time of this report. The property was recorded in May, 2016 when two-8 unit claims (P4282382, P4282384) were physically staked. A single- 2 unit claim (P4209922) was added to the property by staking in September, 2017. At the time of the field work for this report, the McCowan Property covered an approximate area of 275 hectares.

In April, 2018 the McCowan Property was converted to single cell mining claims as the Province converted to the new provincial grid under the new Mining Lands Administration System (MLAS). A total of 27 single cell mining claims were created as a result of the conversion. In addition, the property increased in size almost two-fold as the old claim boundaries moved outwards to conform to the new cell boundaries of the provincial grid. At the time of this report, the McCowan Property covers an approximate area of 522 hectares.

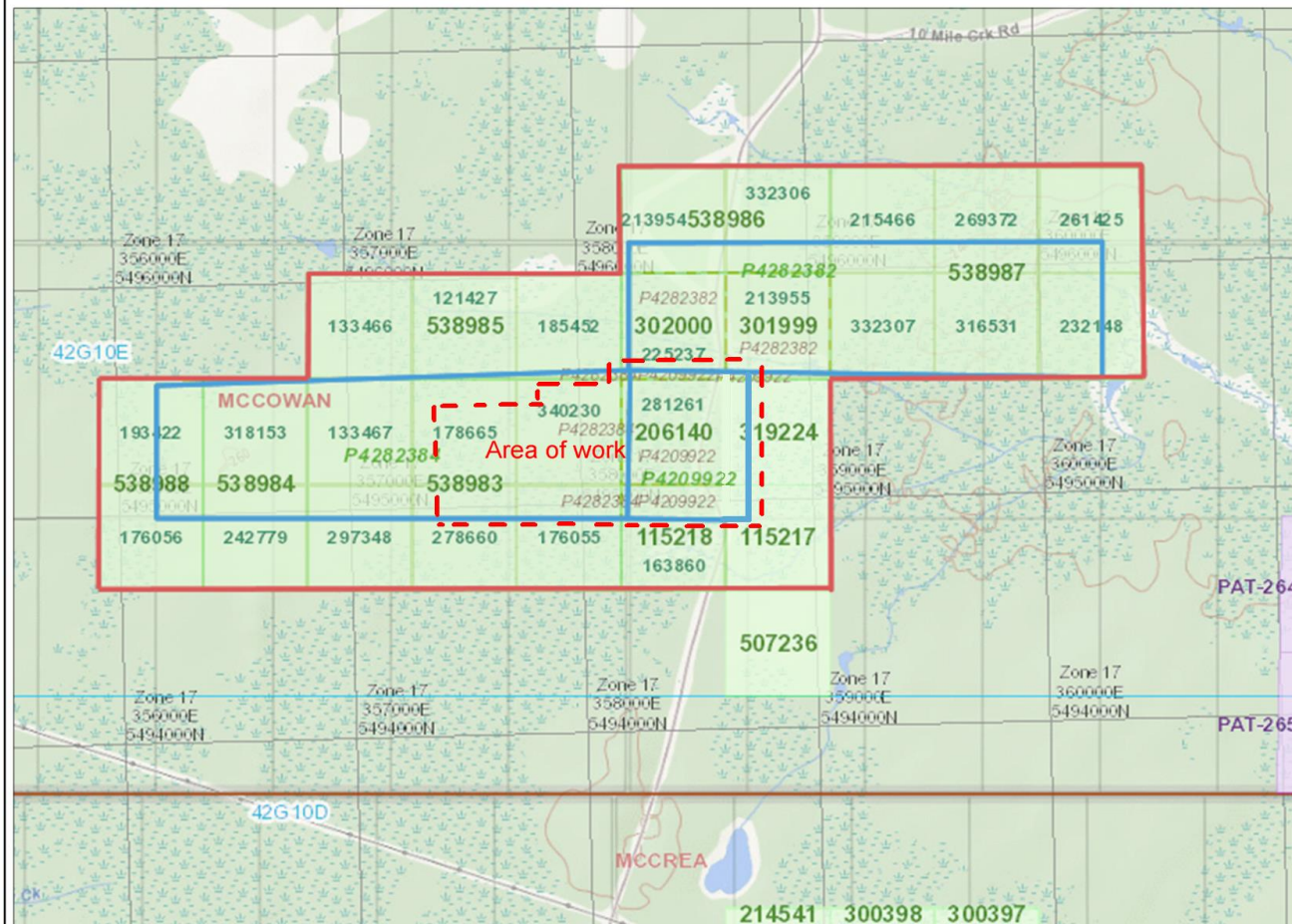
In January, 2019, in an attempt too simplify the claim block, 6 multi-cell claims were created by merging some of the single cell mining claims together. At the time of this report, the McCowan Property consists of 6 multi-cell claims and 6 single cell claims. A claim list is presented in Table I.

All claims comprising the McCowan Property are equally owned by:

Robert J. Dillman of Mount Brydges, Ontario

James M. Chard of Covdova, Ontario

Dr. Jim Renaud of London, Ontario



Projection: Web Mercator



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

Imagery Copyright Notices: Ontario Ministry of Natural Resources and Forestry; NASA Landsat Program; First Base Solutions Inc.; Aero-Photo (1961) Inc.; DigitalGlobe Inc.; U.S. Geological Survey.



Table I. Claim Logistics

McCowan Property, McCowan Twp., Ontario

January 15, 2019

Claim Number	Cell Number	Number of Cells	Size Hectares	Assessment Due Date	Amount Due
538983	42G10E344, 42G10E345, 42G10E346 42G10E364, 42G10E365, 42G10E366	6 Cells	124.2 ha	May 6, 2019	\$2400
538984	42G10E343, 42G10E363	2 Cells	41.4 ha	May 6, 2019	\$800
538985	42G10E324, 42G10E325, 42G10E326	3 Cells	62.1 ha	May 6, 2019	\$1200
538986	42G10E307, 42G10E308	2 Cells	41.4 ha	May 6, 2019	\$800
538987	42G10E309, 42G10E310, 42G10E311 42G10E329, 42G10E330, 42G10E331	6 Cells	124.2 ha	May 6, 2019	\$2400
538988	42G10E342, 42G10E362	2 Cells	41.4 ha	May 6, 2019	\$800
302000	42G10E327	1 Cells	20.7 ha	Sept.. 18, 2019	\$400
301999	42G10E328	1 Cells	20.7 ha	Sept.. 18, 2019	\$400
206140	42G10E347	1 Cells	20.7 ha	Sept.. 18, 2019	\$400
319224	42G10E348	1 Cells	20.7 ha	Sept.. 18, 2019	\$400
115218	42G10E367	1 Cells	20.7 ha	Sept.. 18, 2019	\$400
115217	42G10E328	1 Cells	20.7 ha	Sept.. 18, 2019	\$400

Land Status and Topography

The McCowan Property is situated entirely on Crown Land. The property is uninhabited. There are no buildings or hydroelectricity.

The property is at a mean elevation of 240 metres above sea level. The property is mostly flat with some gentle relief ranging approximately to 5 to 15 metres in height. Much of the flat area is poorly drained and tends to be wet and swampy.

Most of the property is covered by thick forest growth dominated by spruce and poplar. With the exception of a logging road cutting west across the property there is little evidence of recent logging activities.

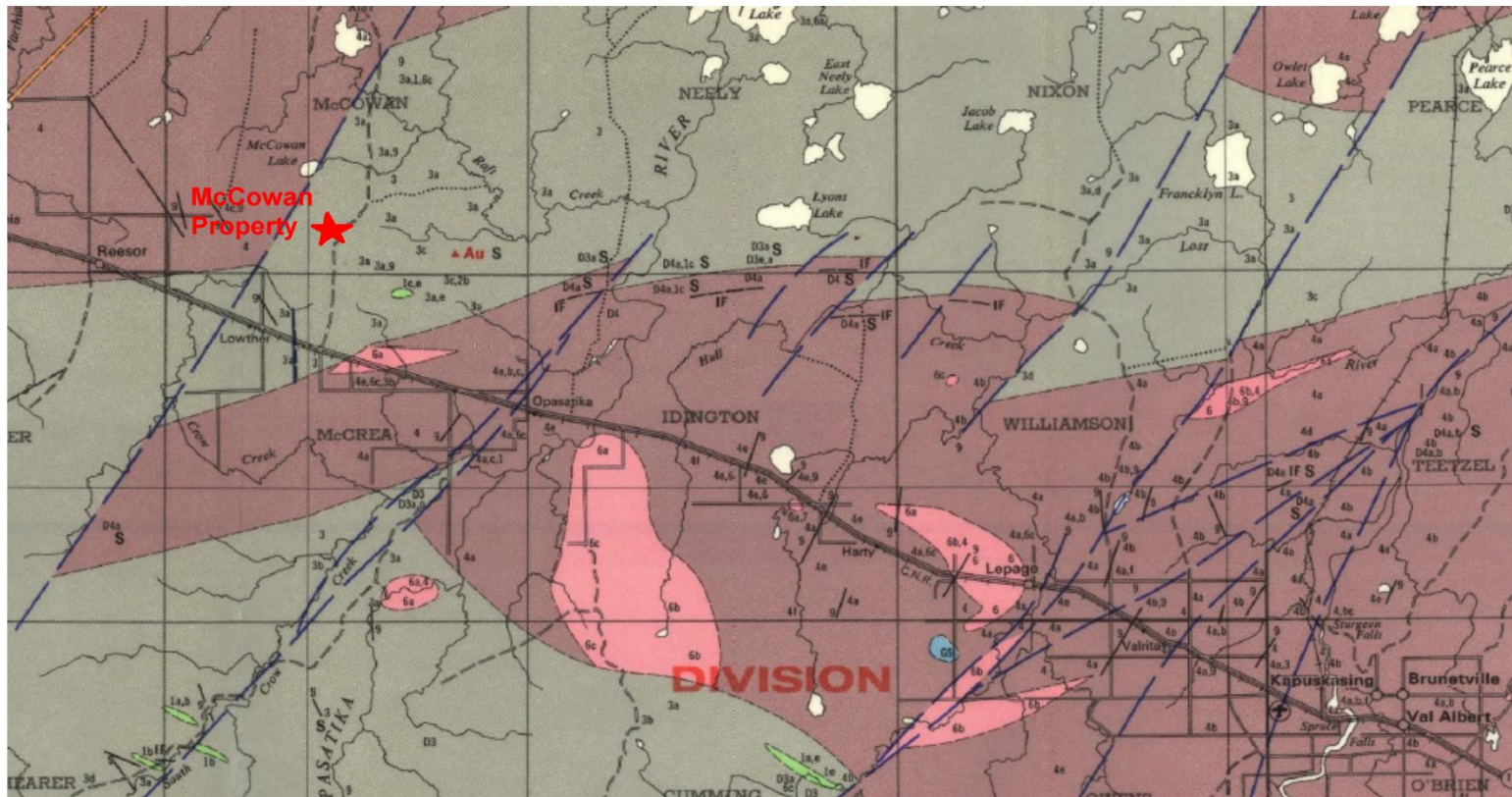
The McCowan Property is blanketed by clay overburden. Although the clay layer is relatively thin there is very poor outcrop exposure on the property. Small outcrops can be found in areas of higher topography and in the ditches along the McCowan Road.

Regional and Local Geology

The McCowan Property is situated in supracrustal rocks of the Superior Province. The property is underlain by Archean rock units belonging to the Quetico Subprovince. The units consist of greywacke, argillite, arkose, iron formation and minor metavolcanic flows (Figure 3). The age of rock units in the Quetico Subprovince range 2500 to 3400 Ma.

The Quetico Subprovince has been intruded by Archean granite stocks and porphyry dikes. The sequence was intruded by northwest trending mafic dikes of the Matachewan and Hearst swarms circa 2454 Ma and the Sudbury swarm circa 1235-1238 Ma. Northeast and north trending mafic dikes of the Marathon dike swarm occurred between 2101 to 2126 Ma and northeast trending dikes of the Kapuskasing and Biscotasing swarms occurred from 2167 to 2171 Ma.

The region was also subjected to northeast trending faults associated with the Kapuskasing Structural Zone.



- | | | | | |
|---|---|--------------------------|----|---------------------|
| 9 | ■ | Diabase | Au | Gold Occurrence |
| 6 | ■ | Granitic Rocks | S | Sulphide Occurrence |
| 5 | ■ | Gabbro | IF | Iron Formation |
| 4 | ■ | Gneiss | | |
| 3 | ■ | Metasedimentary Rocks | | |
| 1 | ■ | Mafic Metavolcanic Rocks | | |
| | | | — | Fault |

Source: ODM MAP 2166
HEARST - KAPUSKASING SHEET

Figure 3.
Regional Geology Map
Kapuskasing - Reesor Area
Ontario

On the McCowan Property, outcrops found along the McCowan Road and in the vicinity of the Miller gold occurrence consist of greywacke and minor thin mafic metavolcanic flows. The rock units are weakly schistose striking 68° to 76° and dip steeply towards the south-southeast at 85° to near vertical. Most of the outcrops contain varying concentrations of thin, hairline quartz stringers which trend parallel to the schistosity of the host rock. Quartz feldspar porphyry and larger quartz veins mineralized with arsenopyrite, pyrite, rare galena and sphalerite are present in the trenches at the Miller gold occurrence.

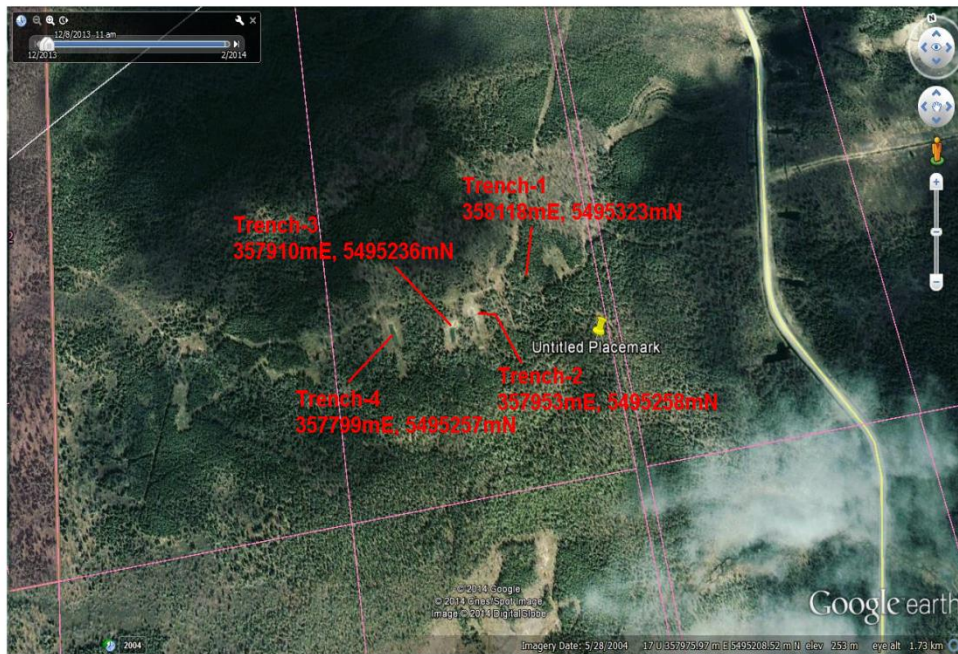
History of Exploration

During the survey a number of old pits and trenches were found and attest to periods of significant exploration on the property. Most of the old workings have long since collapsed and are filled with water however some of the more recent trenching is visible on Google Earth (Figure 4).

It is believed gold was first discovered in the area in the early 30's when Oscar Peterson found gold in quartz veins and pyrite mineralization associated with quartz porphyry in Lot 6 and 7, Concession I. In the mid 30's this property became the Filion Property. Roughly around the same time, local prospectors R. Miller, McManus and Lukis discovered gold in Lot 13, concession 2. As a result, the southwest $\frac{1}{4}$ of Lot 13, Concession 2 was patented to cover the discovery. At some point later in time, the patent has allowed lapsed.

In 1938, P.C. Carter visited the Miller Property. He describes examining a pit in Lot 13, concession 2 exposing a 4 foot quartz vein which carries considerable galena, arsenopyrite and pyrite. A sample of the vein assayed \$6.65 in gold (0.19 oz/ton) and 1.07 ounces of silver per ton. He also describes a channel sample taken from a stringer in porphyry located in the Northeast $\frac{1}{4}$ of Lot 11, Concession 2 which assayed 2.65 ounces of gold per ton across 1 foot. (42G10SE0006)

Later that year, the Millar Property and adjoining McManus Property were examined by D.K. Burke on behalf of Sylvanite Gold Mines Limited. He describes examining a 4 to 5 foot wide shear zone in greywacke striking $N70^{\circ}E$ and dipping $80^{\circ}N$. The vein had been trenched for a distance of 75 feet. The shear zone is described as being silicified and mineralized with pyrite, arsenopyrite and minor galena. A sample of the better looking material is reported to assay 2.00 dwts (0.114 oz/ton gold). 1 dram weight (dwt) = 0.05697 oz/t gold. (42G10SE0006)



Miller Gold Occurrence: Location of Trenches by Smith (1987), Google earth Image 2004

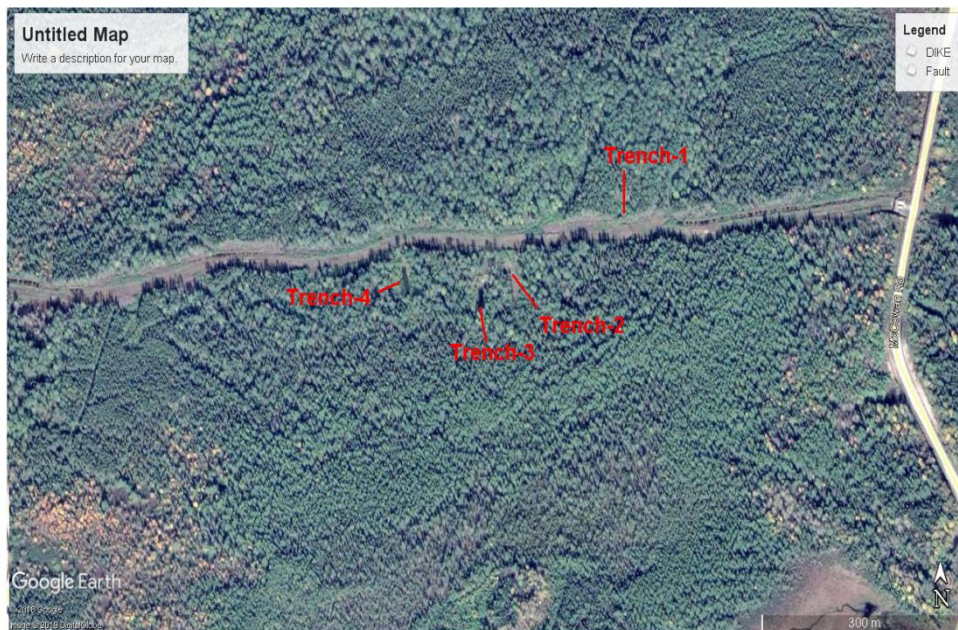


Figure 4. Miller Gold Occurrence: Location of Trenches by Smith (1987), Google earth Image 2016

In 1945, Valrita Mines Limited completed a ground magnetometer survey which covered part of the eastern section of the current McCowan Property. The survey outlined “several pronounced anomalies”. One of the magnetic features striking northeast was traced over 4,800 feet and corresponds to an outcrop of pyrrhotite bearing schist. (42G10SE0004)

In 1948, the Miller Property was examined by Nelson Hogg, Resident Geologist for the Ontario Department of Mines. He describes examining several pits referred to as: East, Central and West. He noted the Central and West pits were on a Patent (southwest 1/4 of Lot 13, Concession 2) and not part of the Miller Property. He makes reference to a report by S.J. Terhune who previously visited the property on behalf of Aunor Gold Mines. Mr. Terhune describes examining a 6 foot wide quartz vein and silicified greywacke exposed in the walls of the West pit. Two samples collected at the time are reported to have assayed 0.22 ounces of gold per ton across 2.4 feet and trace gold across 2.5 feet. (42G10SE0006)

Also in 1948, J.M. Andercheck drilled 5 inclined holes totalling 1,248 feet in the southeast ¼ of Lot 13, Concession 2. Although no assays are given, he describes Hole 1 cutting a “15 foot wide ore body” at a depth of 108 feet. Hole 3 is described as cutting ore from a depth of 83 to 95 feet and intersecting a second ore body carrying galena from a depth of 150 to 162 feet. A sixth drill hole measuring 500 feet in length was drilled in Lot 15, Concession 2. (42G10SE0002)

In 1985, D. Korpela of Northland Exploration Ltd. completed ground magnetometer and VLF-EM surveys over the Miller gold occurrence and surrounding area on behalf of Romex Resources and Omab Enterprises Ltd. The VLF survey outlined numerous northeast trending electromagnetic anomalies. Conductors “F” and “G” outlined by the VLF survey, coincide with the Miller gold occurrence. The magnetometer survey outlined a series of northeast trending magnetic features striking through the area of Miller gold occurrence.

In 1987, Robert G. Smith carried out an overburden stripping program on 4 areas. Four trenches were excavated on the Miller gold occurrence exposing mineralized quartz veins, porphyry and greywacke (Figure’s 5 to 7). These trenches are visible on Goggle Earth. Overburden stripping also was performed on the Keevil occurrence exposing massive sulphides in the north ½ of Lot 9, Concession 2. Another trench was excavated on the trail into the Keevil occurrence which is reported to expose quartz and arsenopyrite. A fourth trench was excavated on the “2.65 Outcrop” situated in the northeast ¼ of Lot 11, Concession 1. The trench is reported to expose porphyry and quartz.



Figure 5. Trench-1 Smith (1987)
358118mE, 5495323mN
Looking south



**Figure 6. Trench-2 Smith (1987)
357953mE, 5495258mN
Sampling on the debris pile.
Looking south.**

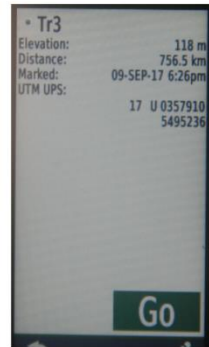


Figure 7. Trench-3 Smith (1987)
357910mE, 5495236mN
Looking east

In 1988, Robert Smith drilled 9 holes totalling 3,177 feet. Five holes drilled in the vicinity of the Miller gold occurrence are reported to have intersected numerous zones of arsenopyrite. Four holes were drilled in the vicinity of the Keevil occurrence. Three of the Keevil holes are reported to have intersected diabase. The fourth hole is reported to have intersected greywacke mineralized with situated adjacent to a diabase dike. No assays were reported for the drill holes. Eventually the claims were allowed to lapse.

Simultaneous to this geological survey, the current property owners were also completing ground magnetometer and VLF-electromagnetic surveys and a Mobile Metal Ionization (MMI) survey.

Survey Dates and Personnel

The geological survey and rock sampling on the Miller showing and in the surrounding area was completed in 4 days between September 8, 2017 and September 14, 2017.

The survey was completed by property owners: Dr. Jim Renaud and assisted by James M. Chard, and Robert Dillman.

Petrologic and microprobe work was completed in 5 days between November 1, 2017 and December 1, 2017 by Dr. Jim Renaud at his facility located at: 21272 Denfield Road, London, Ontario.

Survey Logistics

The geological survey was completed on a GPS controlled grid and traverse lines. The coordinates of the survey lines are appended to this report. The grid lines were orientated north-south and spaced 50 metres apart. The lines range 300 to 400 metres in length. 25 metre intervals were flagged along the lines. One day was also spent traversing east of the grid.

A compass and GPS unit was used to navigate and calculate distances. A Garmin GPS model RINO750 was used for the survey. The GPS was set to NAD83, Zone 17. The GPS recorded the track of the traverse lines completed for the survey.

A total of 7.879 kms were traversed during the survey. Surface features and outcrops are plotted on a map accompanying this report. The map is at a scale 1 : 2,500.

A total of 23 rock samples were collected during the course of the geological survey, Assay certificates from the lab are appended to this report. The rock samples were sent for analysis to AGAT Laboratories located in Mississauga, Ontario. All the samples were assayed for gold by fire assay and analyzed for 45 elements by the Aqua Regia Digest Metals Package. At the lab, each sample was weighed and 3.0 kg was dried at 1,050^oC. The dried samples were crushed and pulps were made by passing the crushed material through a 2mm screen until 75% of the material was sieved. From the -2mm fraction, 250g was selected for further pulverization until 85% passed through a 75 micron screen. From the -75 micron fraction of each sample, a 50 gram charge was selected for gold analysis and 30 grams was selected for Aqua Regia Digest.

A standard fire assay method using a lead (Pb) fusion technique was used to concentrate the amount of gold in each sample. The final measurement of gold and various elements was made by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

After receiving the assays for the rock samples collected from Miller gold occurrence, thin sections were cut and slides made from rock samples: TR-6, TR-7, TR-9 and TR-12. The thin sections were scanned by a microprobe for various minerals which were identified and photographed.

To complete this stage of the work, grain mounts were covered with a thin film of analytical grade carbon using a vacuum carbon evaporator. The mounts were inserted into a JEOL JXA-733 electron microprobe equipped with 5-wavelength-dispersive spectrometers (WDS) and an energy-dispersive spectrometer (EDS). The microprobe is operated using an Advanced Microbeam "Probe for Windows" operating system to drive the Tracor Northern TN-5600 spectrometer and stage automation system.

The chemical compositions were measured using a 15 kV accelerating voltage and 11 nA probe current. Count times for major elements (Fe, Mg, Si) were 20 seconds on peak and 10 seconds (on each side) for background measurements. For trace elements (Ti, Ni, Ca, Mn, Co, Na) both peak and background times were 50 seconds. For calibration, a set of microbeam standards (natural minerals) from the Smithsonian Institution were utilized (Jarosewich, 2002). Data reduction was performed using the ZAF correction. For major elements, Ca and Ni analytical accuracy was verified using secondary standards (San Carlos olivine standards of Köhler and

Brey (1990) and Jarosewich (2002)). The instrument calibration was deemed successful when the composition of secondary standards was reproduced within the error margins defined by the counting statistics.

Results of the Geological Survey

The Miller gold occurrence is situated on the south side of a gentle topographic rise. The area is covered by thick forest. A logging road on higher ground provides excellent access to the survey area and the gold occurrence. The entire survey area is covered by clay overburden except for a few outcrops in the vicinity of the Miller gold occurrence and in ditches along the McCowan Road. All the outcrops in the vicinity of Miller gold occurrence had been stripped of overburden, pitted or trenched. No new outcrops were found in the vicinity of the gold occurrence.

A Table of Formations for the outcrops found during the survey is presented in Table II.

All the outcrops observed during the survey consist of greywacke (Figure 8). On a fresh surface, the unit is dark grey and appears to consist of very fine-grained biotite and fine-grained granular quartz. The unit typically displays two distinct foliations. An older foliation strikes N85°E to 90°E and dips near-vertical. This is crossed by a younger foliation striking N72°E to N76°E and dips 85° south to vertical. Numerous thin, white to light-brown quartz stringers follow the older foliation giving the greywacke a weak gneissic appearance. The hair thin stringers are crossed by younger, light-grey coloured quartz stringers ranging up to 1cm wide which follow the younger foliation. These quartz stringers form anastomosing stockwork systems and are frequently associated with small shears occurring in the greywacke (Figures 11 to 13).

A small mafic metavolcanic flow or possibly a dike is present in Trench-1. The unit is very fine-grained, aphanitic textured and dark green on a fresh surface. The unit strikes N68°E conforming to the strike of the greywacke.

Although not seen in outcrop, loose pieces of porphyry (Figure 9) were found in the trench debris around the Miller gold occurrence and undoubtedly the material was excavated from outcrop at the bottom of the trenches. On a fresh surface, the porphyry is very fine-grained, aphanitic textured and white to orange- pink in colour. The fine-grained texture is possibly due to mylonitization. Clots of chlorite were occasionally observed. There is pervasive weak carbonate alteration throughout and sericite on fracture surfaces. The porphyry is occasionally mineralized with subhedral crystals and coarse clots of arsenopyrite.

Table II.
Table of Formations
McCowan Property, McCowan Twp., Ontario

CENOZOIC

RECENT

Swamp and stream deposits, peat

PLEISTOCENE

Clay, sand and silty boulder clay

Unconformity

PROTEROZIC

INTRUSIVE ROCKS

Diabase (*derived from magnetic survey and historic drill intersection*)

ARCHEAN

INTRUSIVE ROCKS

Quartz porphyry (*derived from waste rock in trenches at Miller gold occurrence*)

METASEDIMENTARY ROCKS AND MINOR MAFIC METAVOLCANIC FLOWS

Quetico Assemblage: greywacke, fine-grained mafic metavolcanic rocks



Figure 8. Typical greywacke with quartz stringers and fine pyrite 358608mE, 5495844mN)



Figure 9. Porphyry with arsenopyrite. From debris in Trench-3 (357915mE, 5495230mN)



Figure 10. Quartz with arsenopyrite and rare galena. From debris in Trench-2 (357952mE, 5495240mN)

Quartz is a main component of the trench debris around the Miller gold occurrence (Figure 10). There appears to be at least two generations of quartz. In Trench-2, a coarse-grained, dark, vitreous, translucent vein was observed in outcrop exposed at the mid-section of the trench (Figure 4). Adjacent to the vein there is a pile of quartz blocks which are well-mineralized by arsenopyrite and lesser amounts of pyrite and rare galena. This type of quartz is very fine-grained and ranges from white to grey to rust coloured. The arsenopyrite bearing quartz was not observed in outcrop due to the degrading conditions of the trenches. Quartz stringers are common in the greywacke and are present in all the outcrops observed during the survey.

Outcrops on the McCowan Property are believed to have been subjected to regional metamorphism in the grade of the biotite zone of the greenschist facies.

The two directions of foliation in the greywacke are believed to be a result of faulting occurring on a large, regional scale and from local shearing. Northeast striking faults related to the Kapuskasing Structural Zone occur throughout the region. The structure hosting the Miller gold occurrence is a possible example of local shearing.

Carbonate alteration is not pervasive in the greywacke observed during the survey. Some carbonate alteration was observed with porphyry found in trench debris and in silicified greywacke situated marginal to the vein at the Miller gold occurrence. Silicification associated with the quartz stringer stockwork is common in small shear zones in the greywacke and appears to be widespread. These zones frequently contain pyrite.



Figure 11. Trench-1
358118mE, 5495319mN
Quartz stringers in greywacke
Looking west



**Figure 12. Trench-1
Rusty pyrite horizon in greywacke
358118mE, 5495315mN
Rock Sample TR-2**



Figure 13. Outcrop in ditch east side of McCowan Road
Pyrite bearing quartz stringer stockwork in greywacke
358611mE, 5495847mN
Looking west
Rock sample location TR-19, TR-20 & TR-21



Figure 14. Trench-2
Quartz vein in bedrock exposed in trench.
357945mE, 5495239mN
Looking west.

Results of Rock Sampling

Rock sample locations, descriptions, assay results and assay certificates from the lab are appended to this report. Rock sample locations and gold assay results are also shown on the geology map and some are depicted in Figures 15, 16 and 17 detailing the historic trenches.

Many old pits and trenches were found during the survey. Some of the historic workings consist of long slit trenches likely excavated with a backhoe. All the pits and slit trenches have collapsed to the point where no bedrock is exposed. Bedrock only was exposed in three of the four large trenches excavated by Smith (1987). Two of these trenches (Trench-2, Trench-3) are partially collapsed and filled with water. Trench-4 was completely filled with water. Due to the condition of trenches, the majority of the rock samples collected during were taken from rock debris unearth during excavation of the trenches.

Table III summarizes the best assay results.

Gold mineralization was detected in most of the rock samples collected in the vicinity of Trench-2 and Trench-3. Four samples returned gold values exceeding +1 ppm, the highest gold value obtained being 1.83 ppm. Two of the gold samples also contain silver, returning assays of 15.3 ppm and 10.4 ppm Ag.

As expected, strong values of arsenic and lead were obtained from samples from the Miller gold occurrence reflecting the abundance of arsenopyrite and galena mineralization in the samples. Nine samples from Trench-2 and Trench-3 returned arsenic values >10,000 ppm, the highest being 4.60% As.

Galena occurs as coarse grains in quartz and was determined by the EDS system to occur as inclusions within grains of arsenopyrite. The highest lead values were 4650 ppm and 2360 ppm Pb.

Although sphalerite was occasionally observed in rock samples from Trench-2 and Trench-3, zinc values were only returned in a few samples. The highest zinc values obtained were 787 ppm and 2500 ppm Zn.

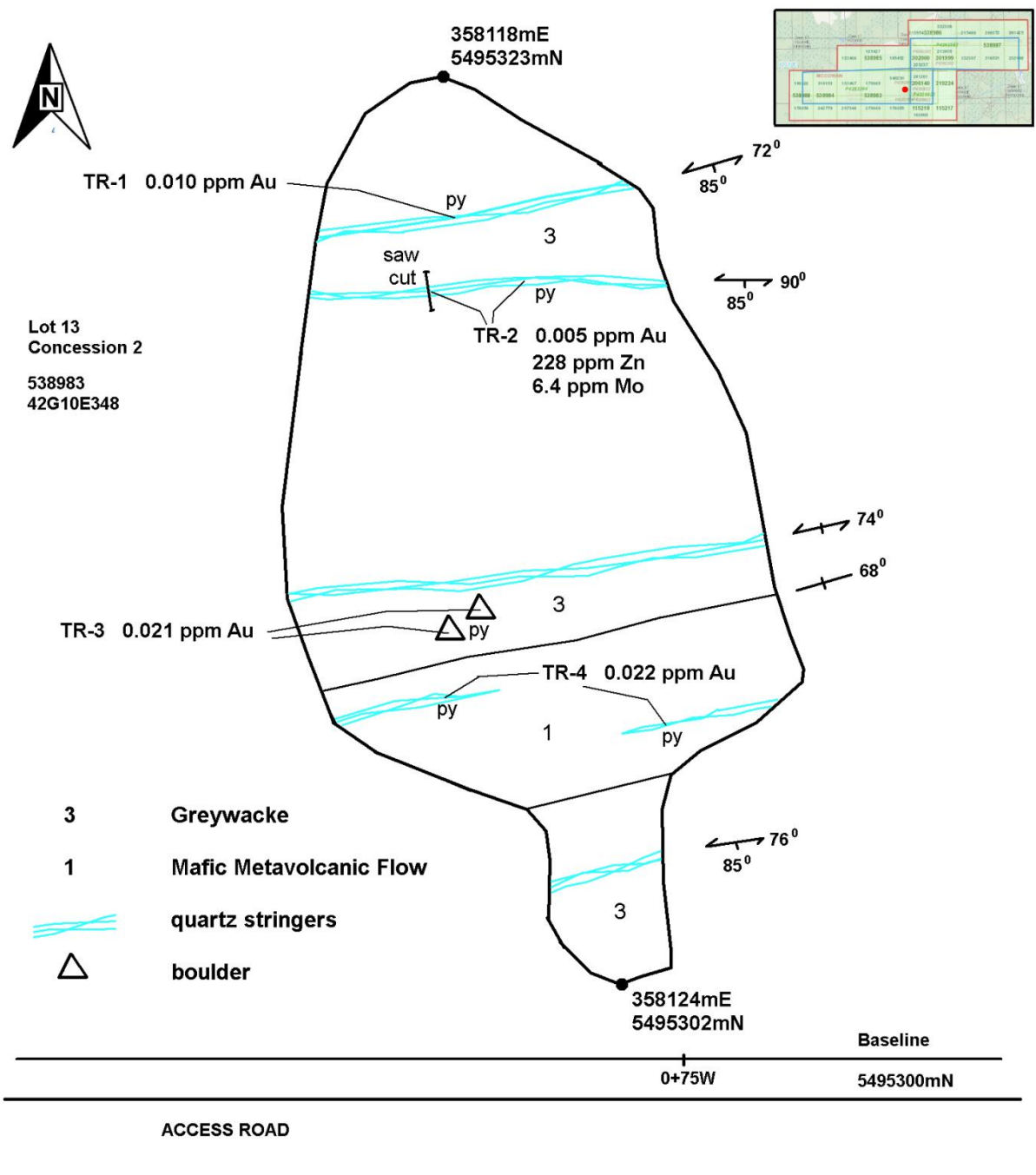


Figure 15.
TRENCH-1
GEOLOGY & ROCK SAMPLES
 McCowan Property
 McCowan Twp., Ontario

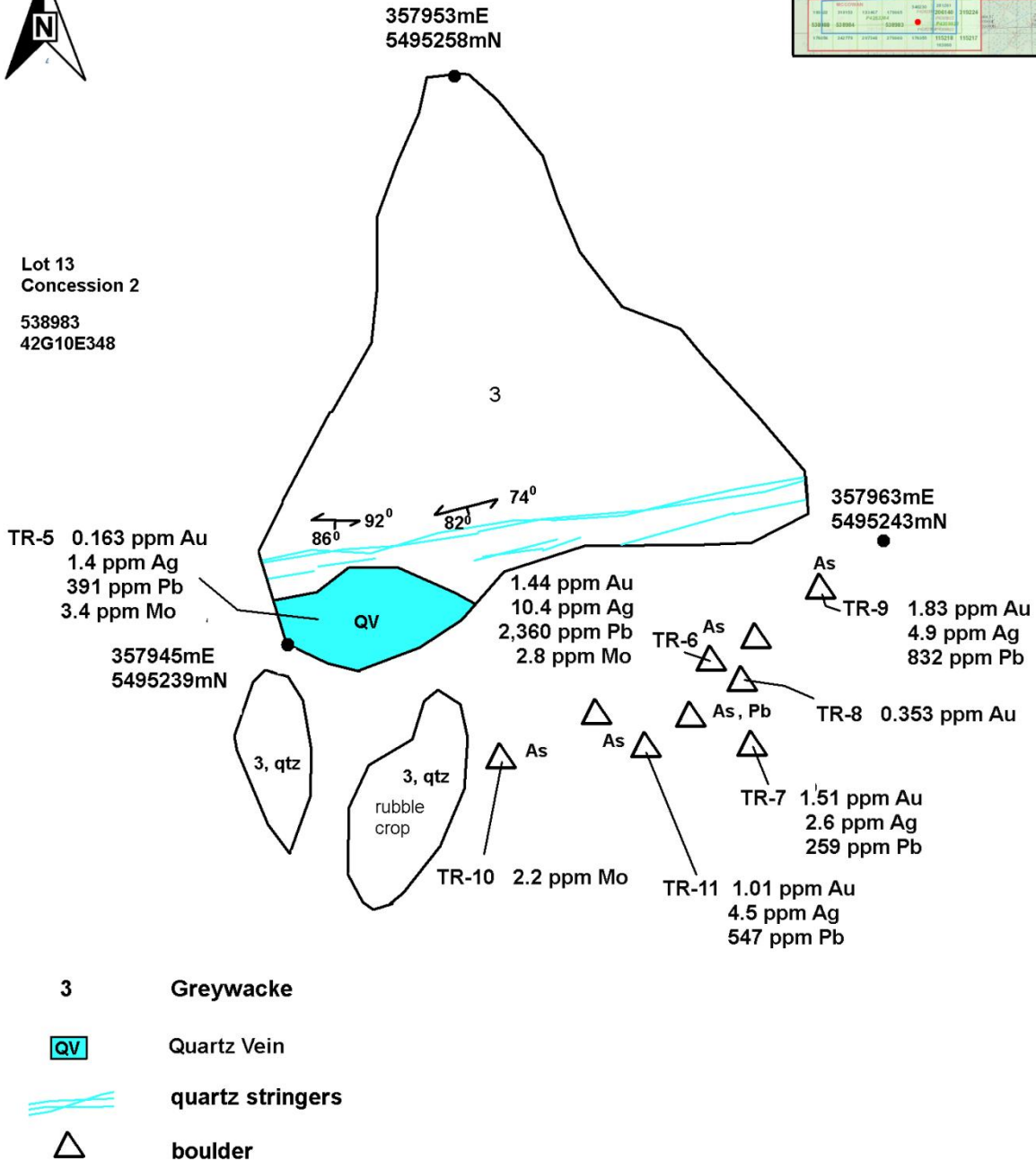


Figure 16.
TRENCH-2
GEOLOGY & ROCK SAMPLES
McCowan Property
McCowan Twp., Ontario



Lot 13
Concession 2
538983
42G10E348

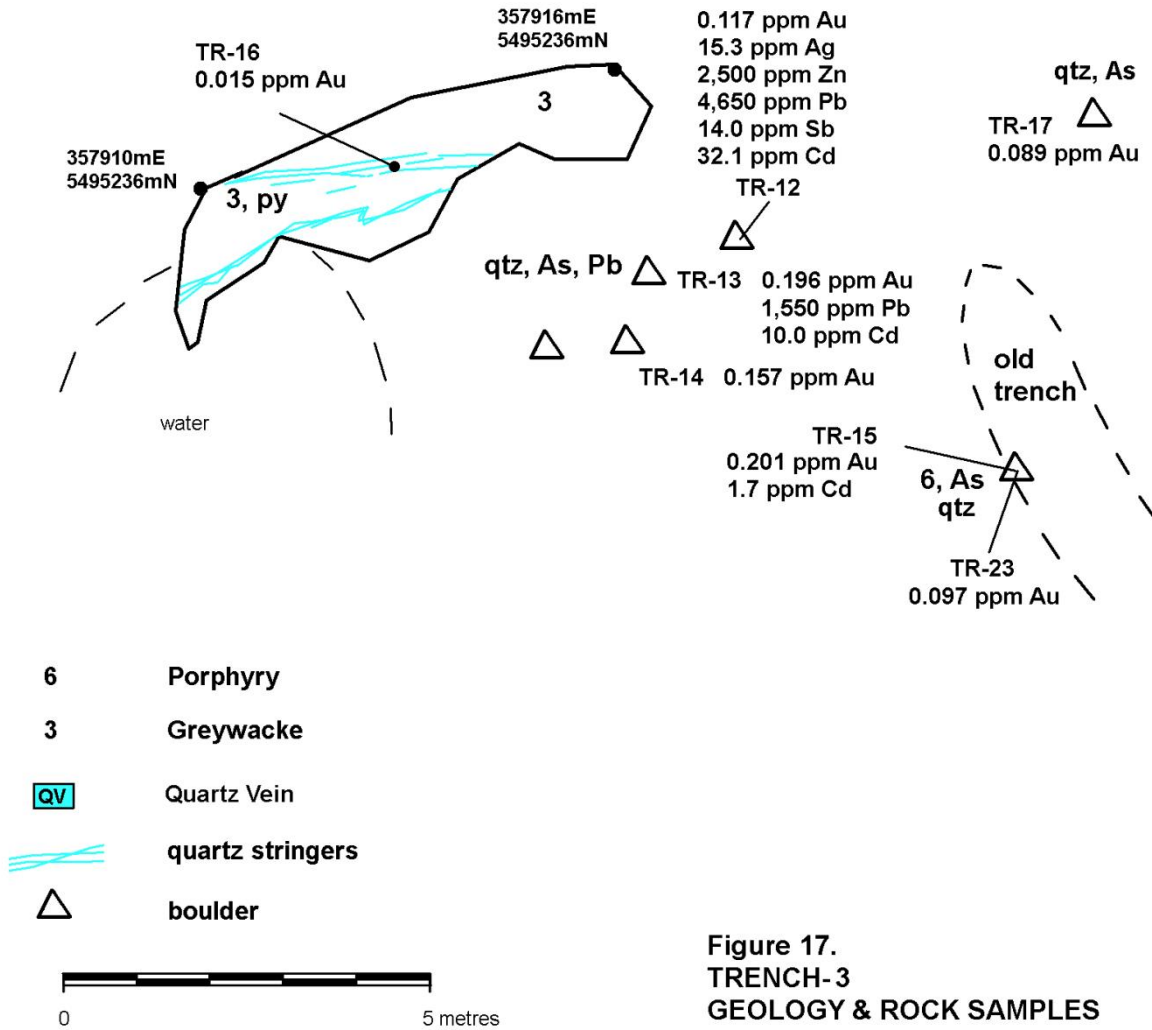


Figure 17.
TRENCH-3
GEOLOGY & ROCK SAMPLES
McCowan Property
McCowan Twp., Ontario

Table III.
Summary of Rock Samples
McCowan Property, McCowan Twp., Ontario

Sample Number	Sample Location	Au ppm	Ag ppm	Pb ppm	Zn ppb	Cd ppm	Sb ppm	Mo ppm	As ppm	S ppm	Fe %
TR-2	Trench-1	--	--	--	248	--	--	6.4	166	0.78	3.38
TR-5	Trench-2	0.162	1.4	391	--	--	3	3.4	--	0.39	0.95
TR-6	Trench-2	1.44	10.4	2,360	--	0.6	13	2.8	4.60%	2.19	4.04
TR-7	Trench-2	1.51	2.6	259	--	--	6	--	2.07%	1.04	2.17
TR-8	Trench-2	0.353	--	108	120	--	2	1.0	--	1.37	3.50
TR-9	Trench-2	1.83	4.9	832	--	--	4	1.0	1.39%	0.68	1.43
TR-10	Trench-2	--	--	--	--	--	--	2.2	1.21%	0.54	1.42
TR-11	Trench-2	1.01	4.5	547	--	--	8	--	2.08%	1.12	2.08
TR-12	Trench-3	0.177	15.3	4,650	2,500	32.1	12	3.2	1.48%	0.97	2.00
TR-13	Trench-3	0.196	1.9	1,550	787	10.0	4	--	1.01%	0.59	1.20
TR-14	Trench-3	0.157	1.0	432	133	0.9	5	1.5	1.03%	0.65	1.77
TR-15	Trench-3	0.201	1.3	391	257	1.7	4	1.9	1.00%	0.91	2.94
TR-23	Trench-3	--	0.5	168	220	--	3	--	--	0.33	1.51

Some rock samples from the Trench -2 and Trench-3 show slightly elevated antimony and cadmium values. Rock sample TR-12 returned 14 ppm Sb and 32.1 ppm Cd in addition to assaying high values of silver, lead and zinc. Sample TR-6 assayed 13 ppm Sb in addition to having high values of gold, silver and lead.

Rock samples collected from pyrite bearing quartz stringer stockwork systems and small shears in greywacke did not return any anomalous gold or silver values. Several rock samples from Trench-1 returned slightly anomalous molybdenum values ranging 3.0 to 6.4 ppm Mo.

Results of the Energy-Dispersive Spectrometer (EDS) Examination of Rock Samples

The microprobe examination of the rock samples using the EDS system is summarized in the following figures.

All the slides consisted of quartz well mineralized with arsenopyrite. Galena was observed to be the second most abundant mineral. Galena occupies fractures in the quartz. It also occurs on the surfaces of arsenopyrite grains and as small to large inclusions within arsenopyrite grains. Spectra analysis of sample TR-6 verified quartz, arsenopyrite and galena. Gold and silver were not identified with the EDS system however; monazite was discovered as an inclusion in an arsenopyrite grain in a thin section from sample TR-12.

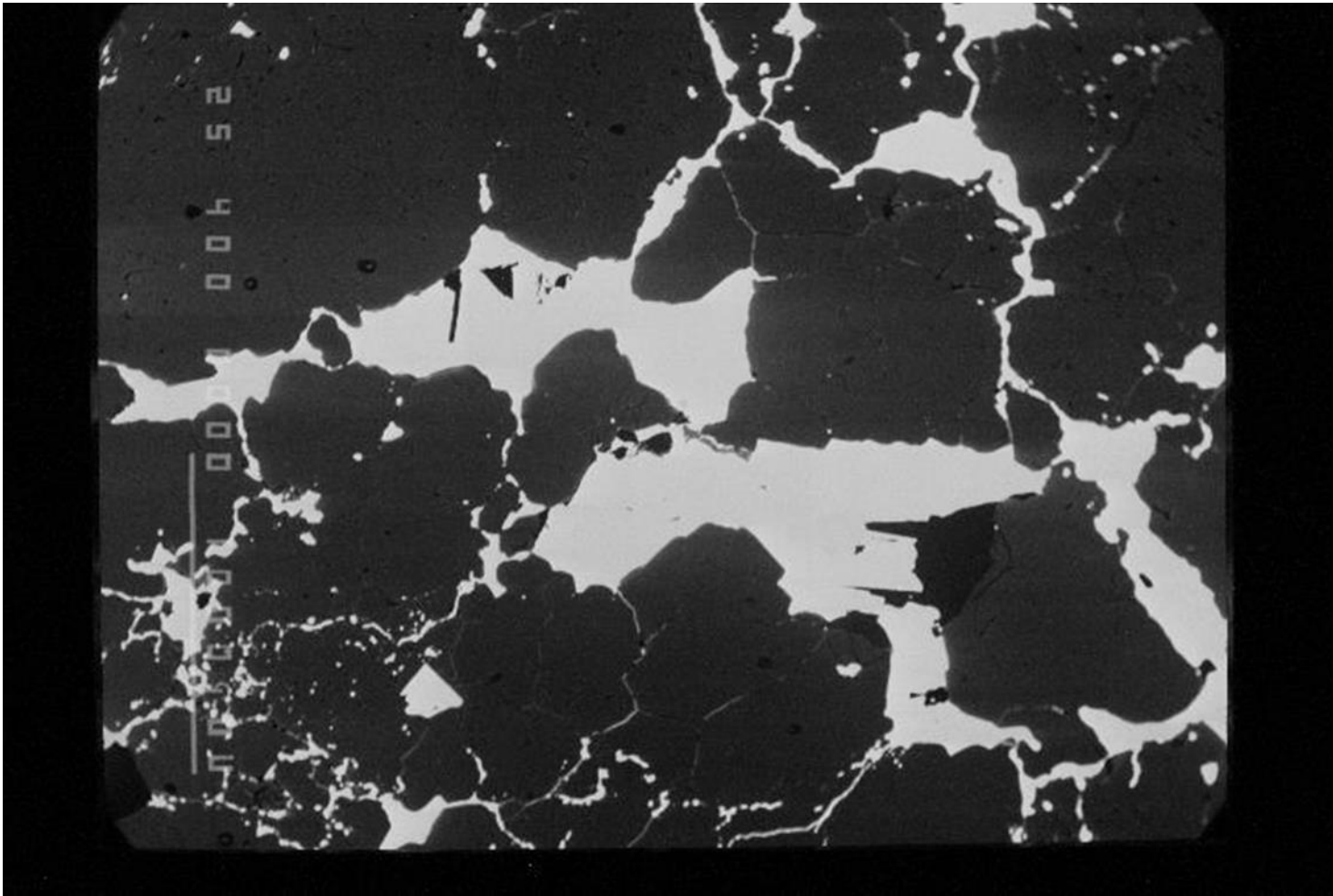


Figure 18. Rock Sample TR-6, Thin Section A: Galena in fractures in quartz.

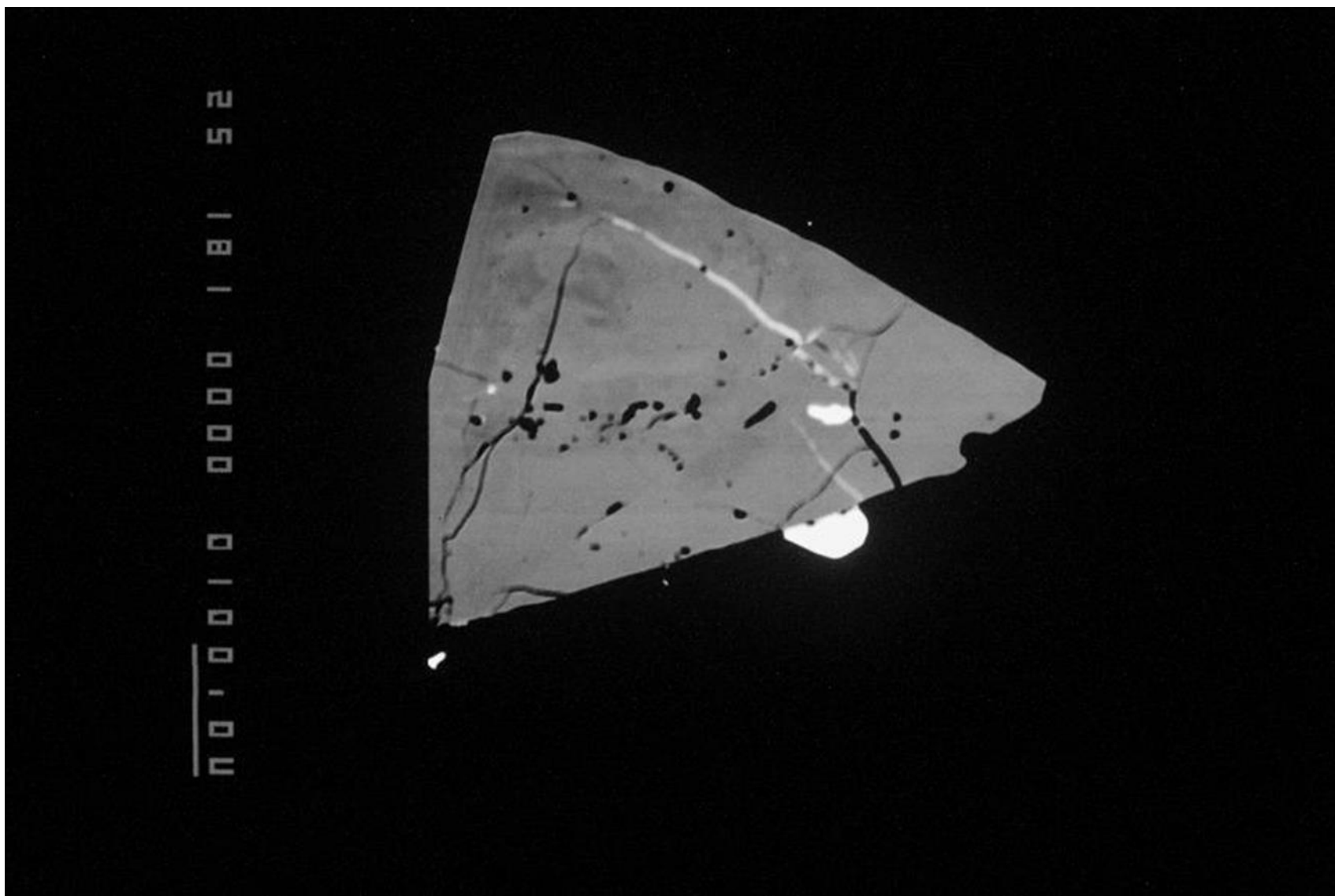


Figure 19. Rock Sample TR-6, Thin Section A: Galena inclusions inside and on surface of arsenopyrite crystal in quartz.

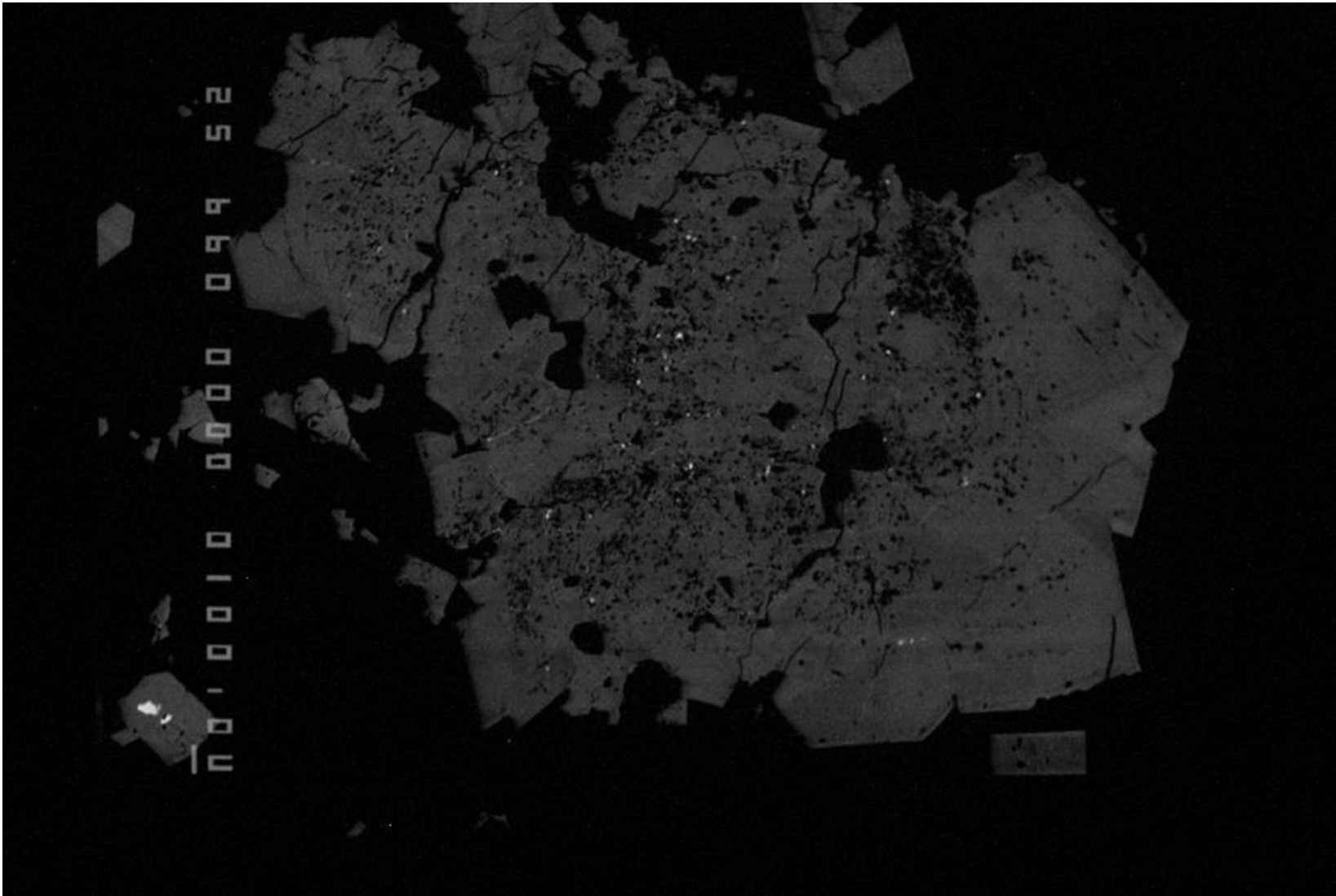


Figure 20. Rock Sample TR-6, Thin Section B: Arsenopyrite crystal riddled with small inclusions of galena.

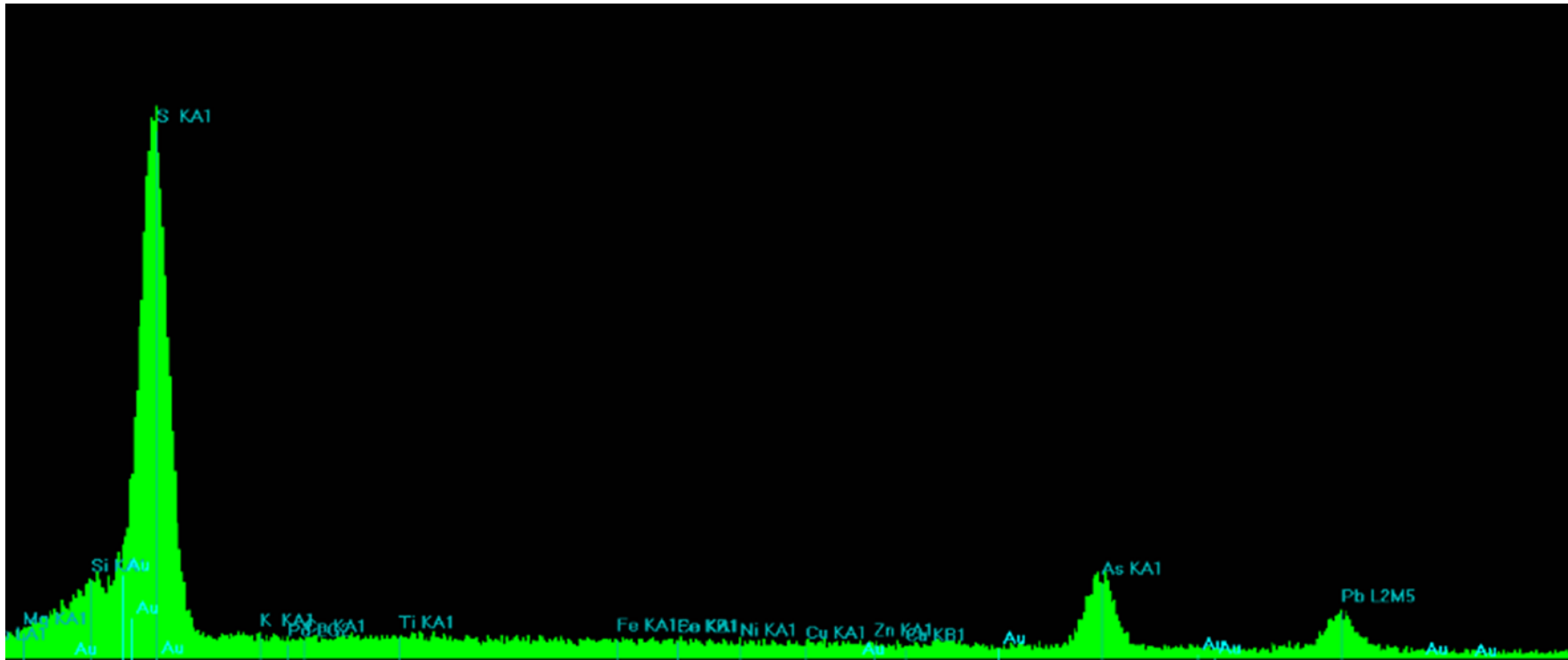


Figure 21. Rock Sample TR-6, Thin Section B: Lead-Sulphur Spectra for Galena with minor As-peak from arsenopyrite host in Figure 20

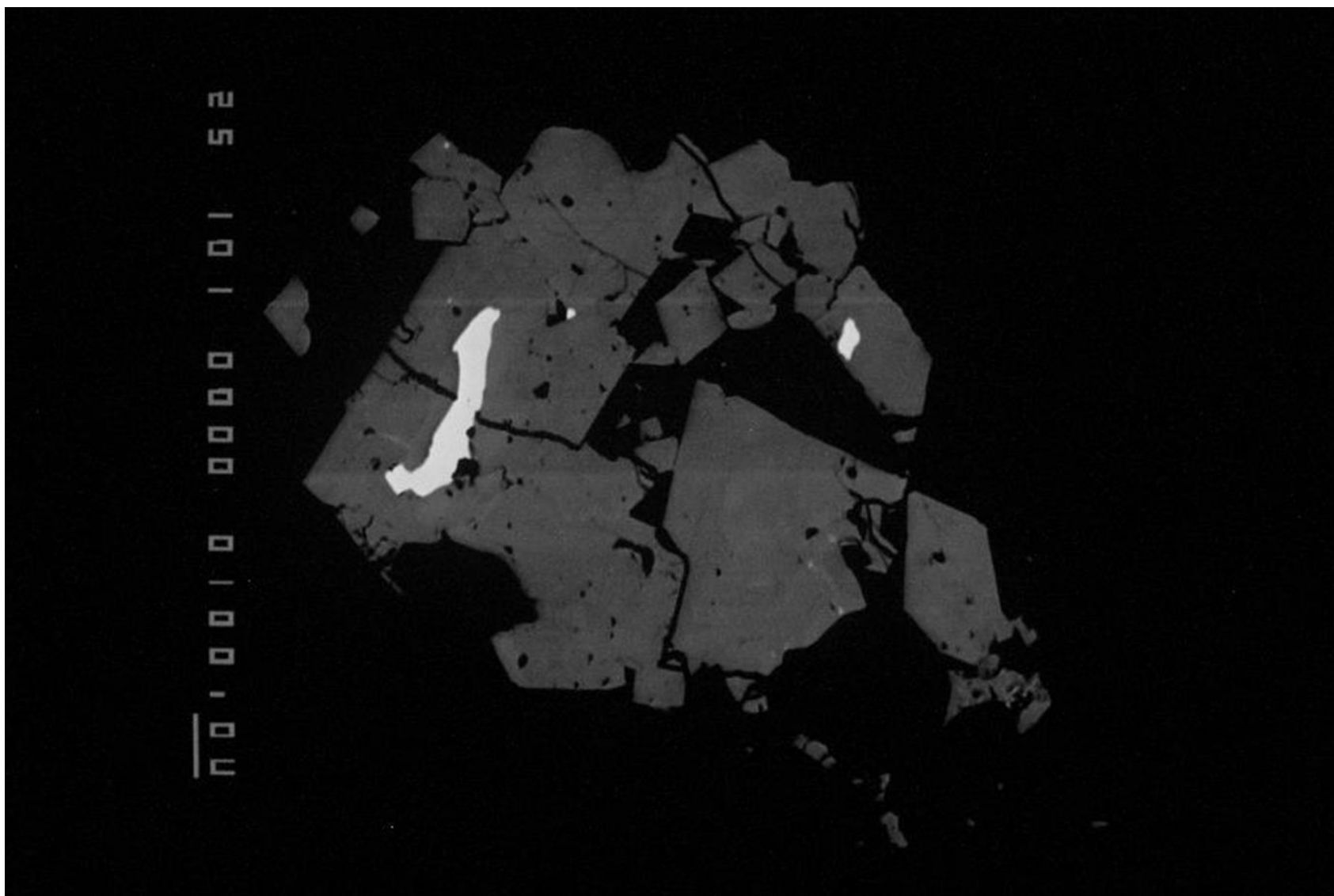


Figure 22. Rock Sample TR-7, Thin Section A: Galena inclusions in arsenopyrite crystal in quartz.

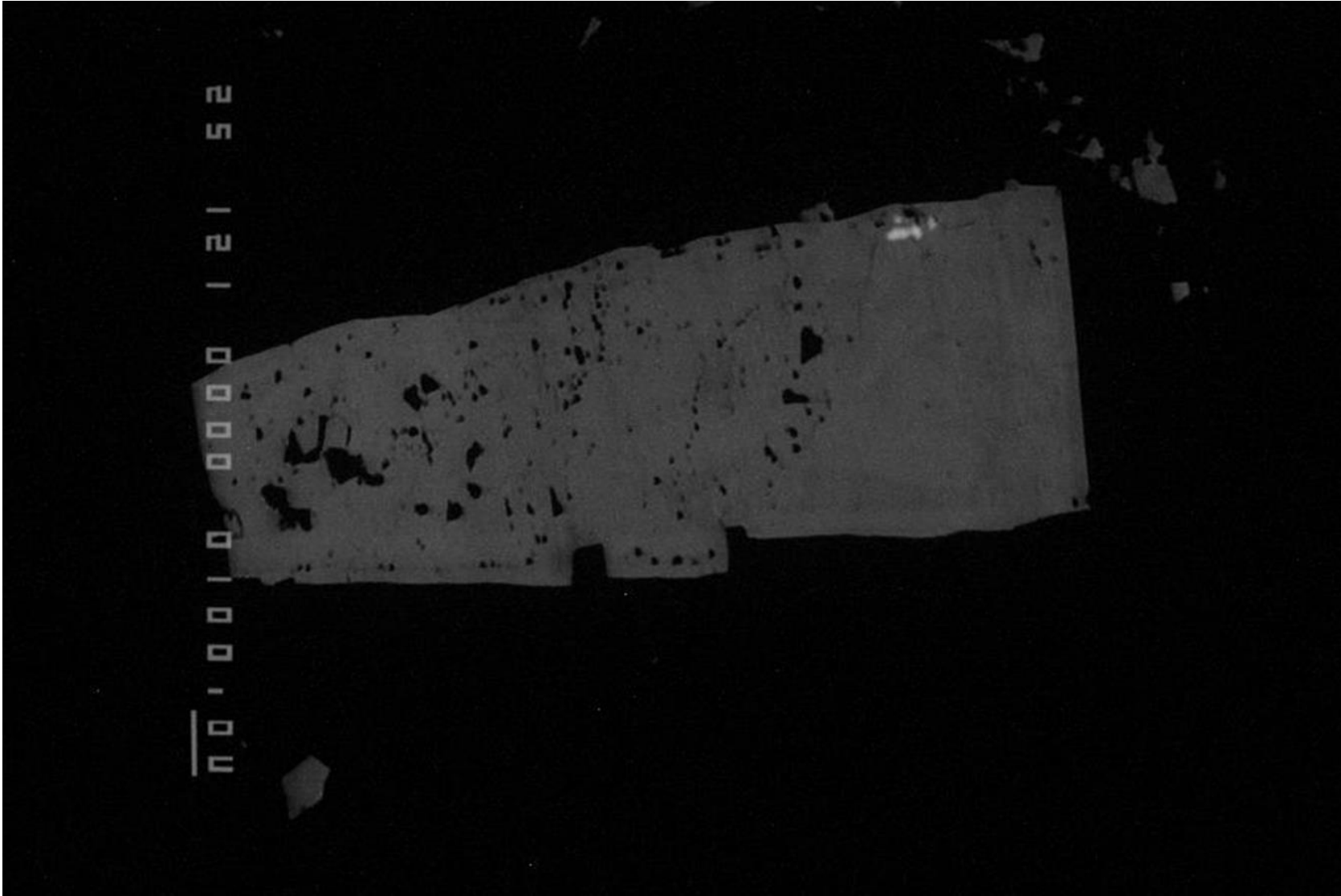


Figure 23. Rock Sample TR-7, Thin Section A: Monazite inclusion in arsenopyrite.

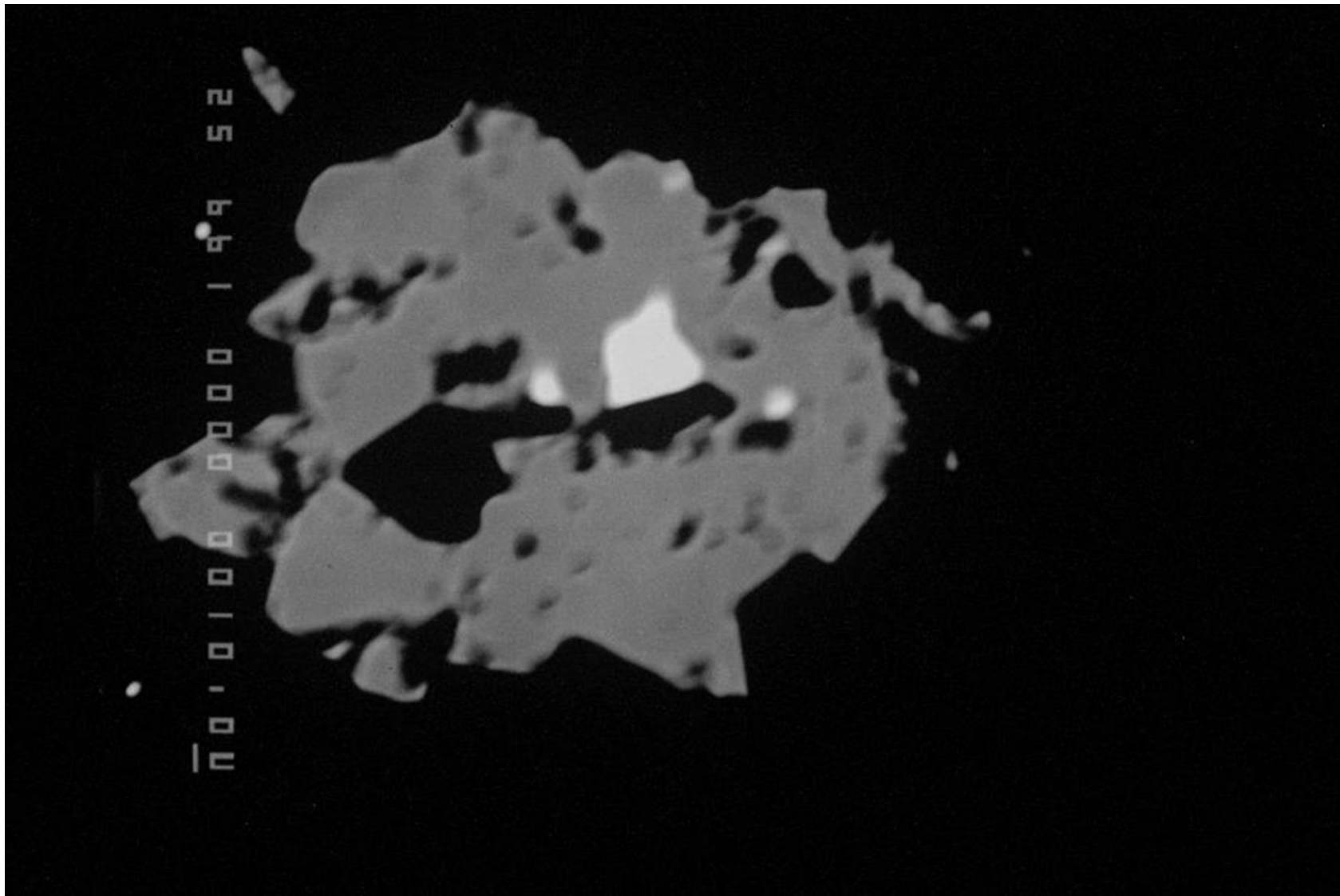


Figure 24. Rock Sample TR-7, Thin Section B: Galena inclusions in arsenopyrite crystal in quartz.

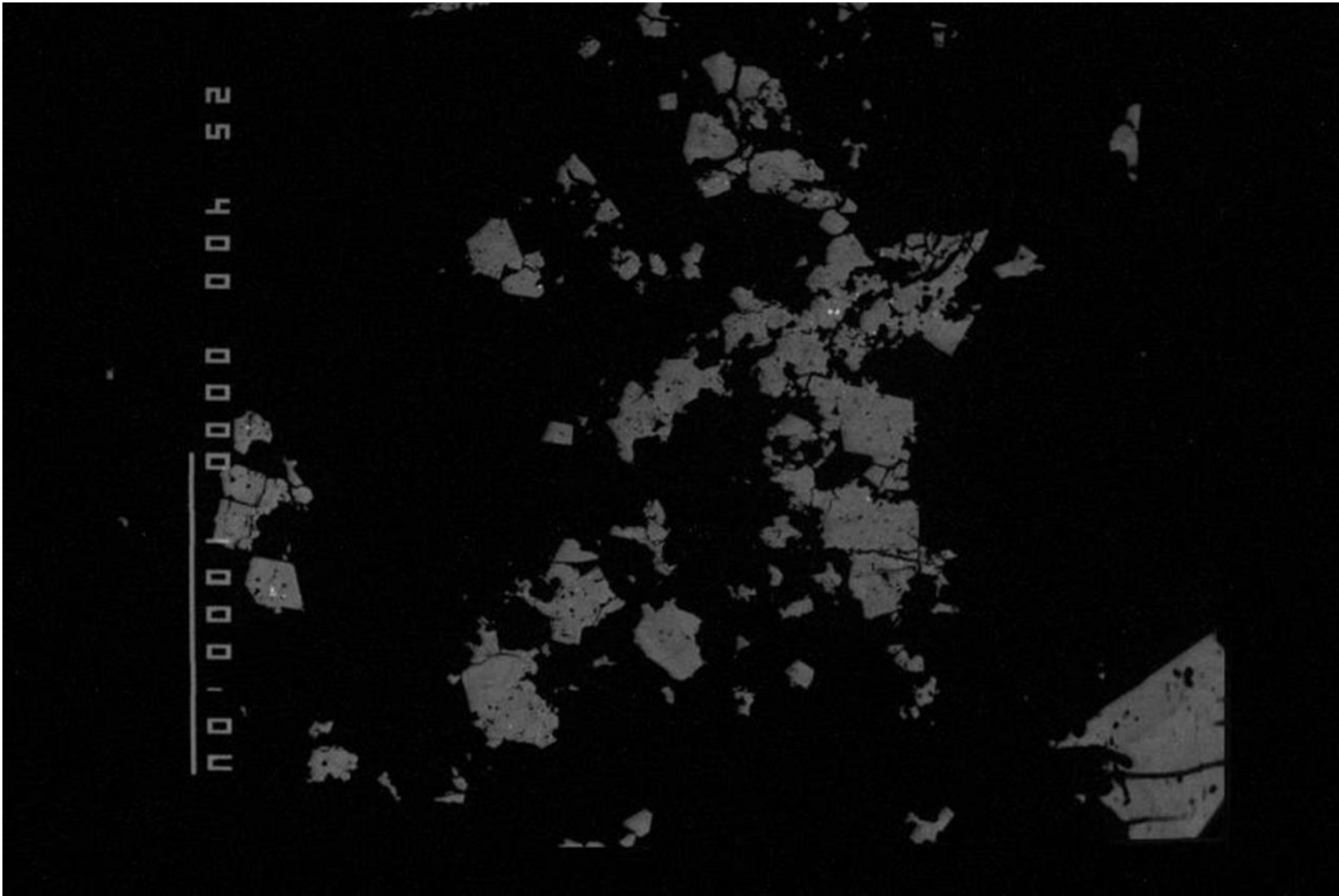


Figure 25. Rock Sample TR-9, Thin Section A: Galena inclusions in arsenopyrite in quartz.

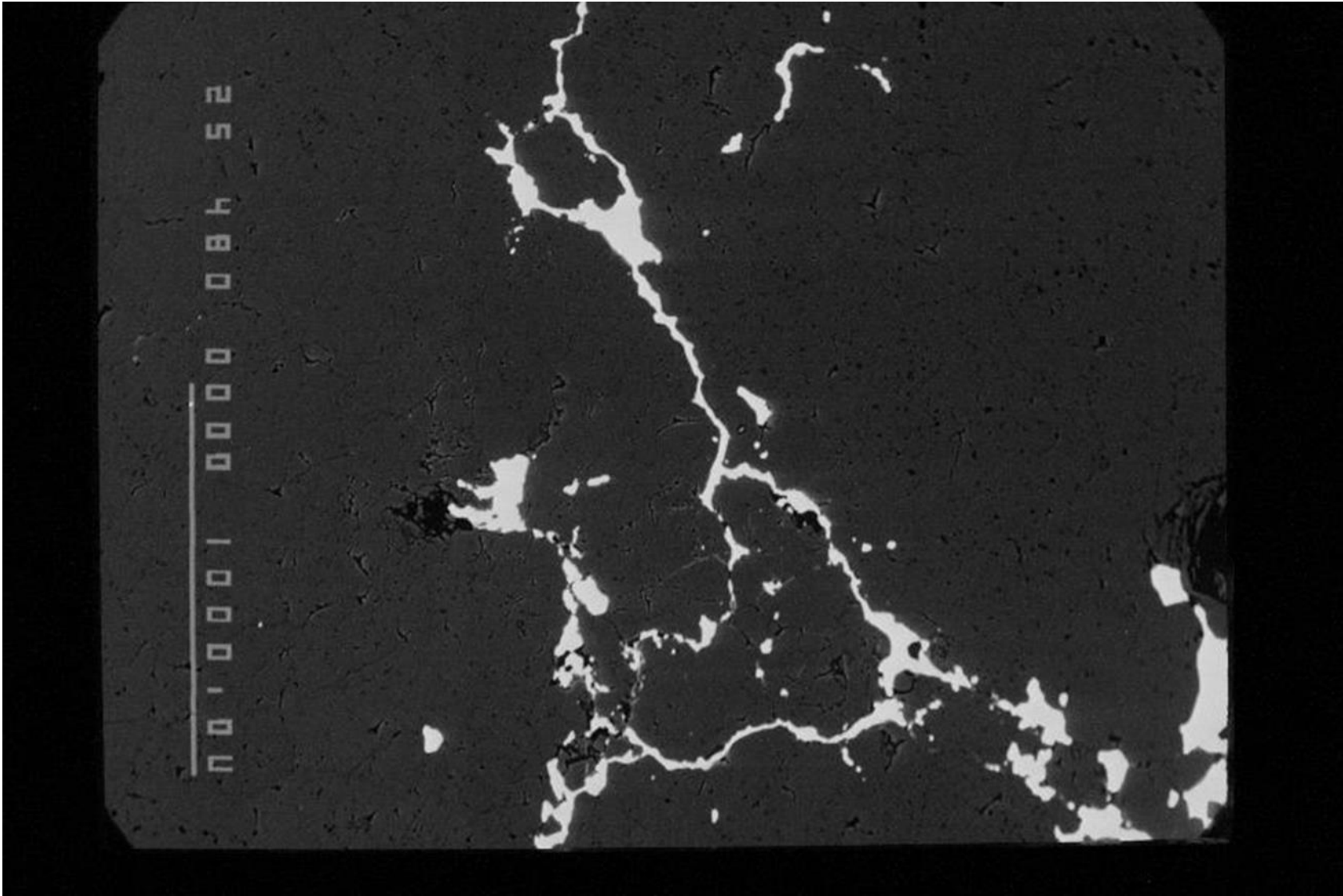


Figure 26. Rock Sample TR-9, Thin Section A: Galena in fractures in quartz.

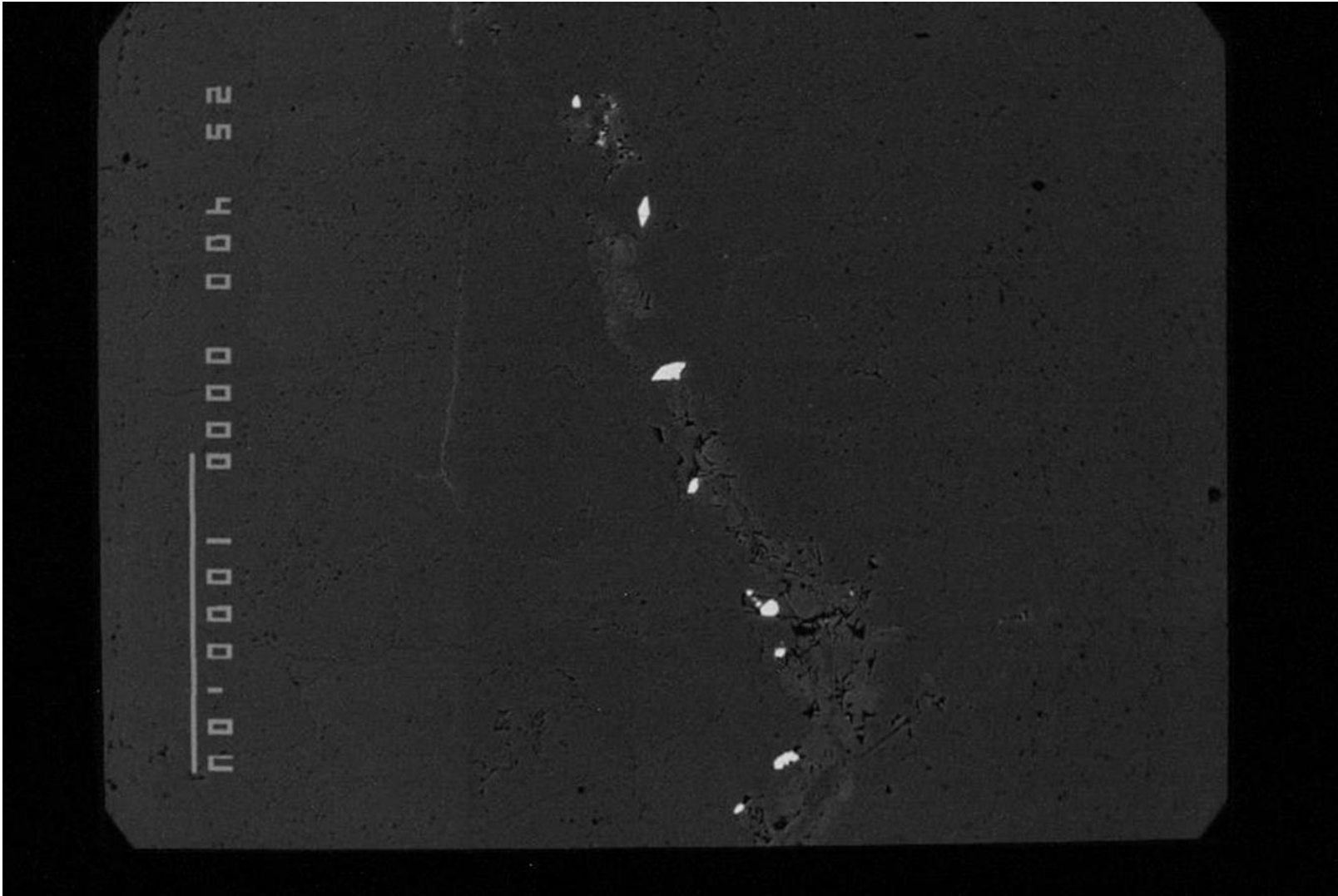


Figure 27. Rock Sample TR-9, Thin Section B: Galena in fractures in quartz.

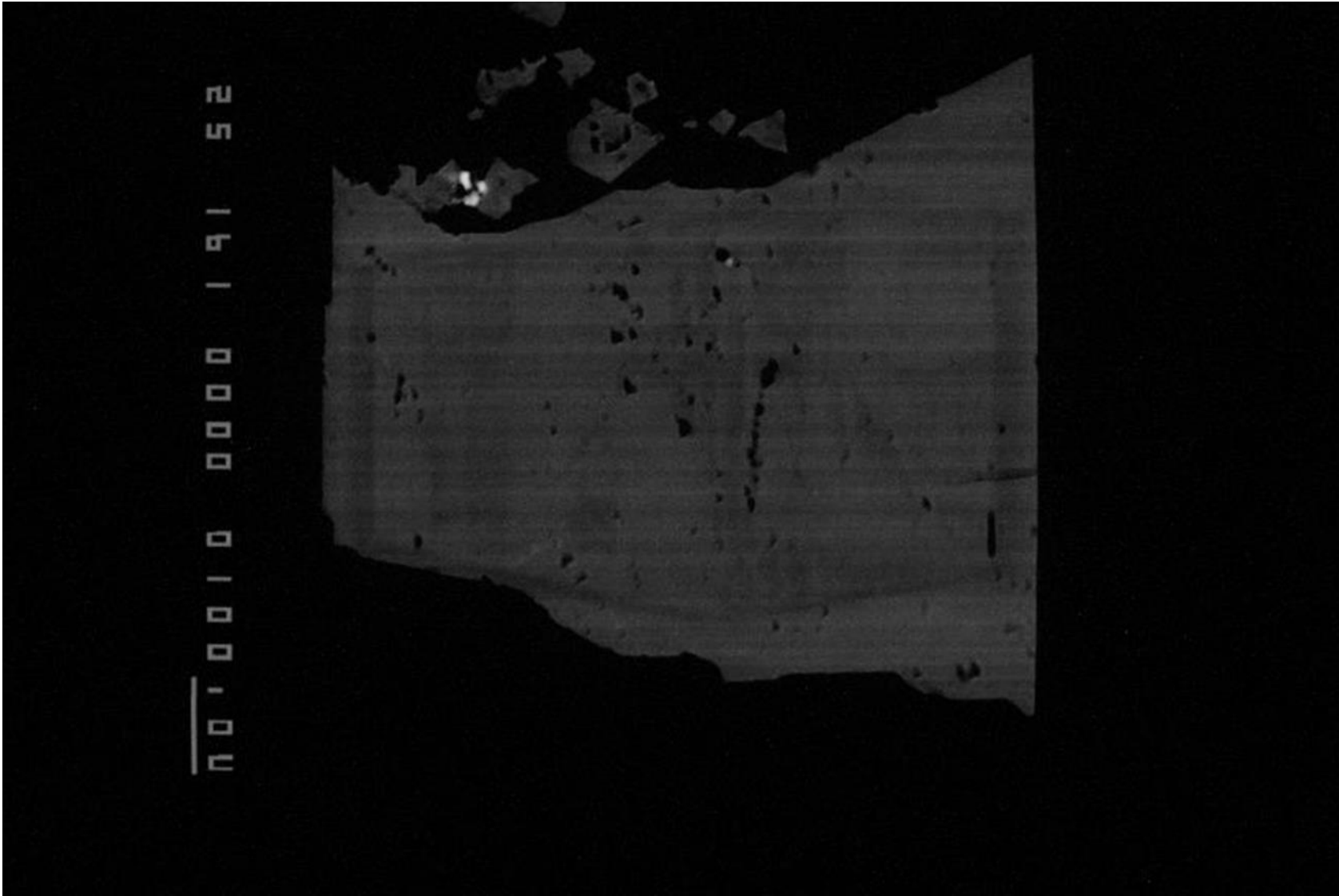


Figure 28. Rock Sample TR-9, Thin Section C: Galena inclusions in arsenopyrite in quartz.

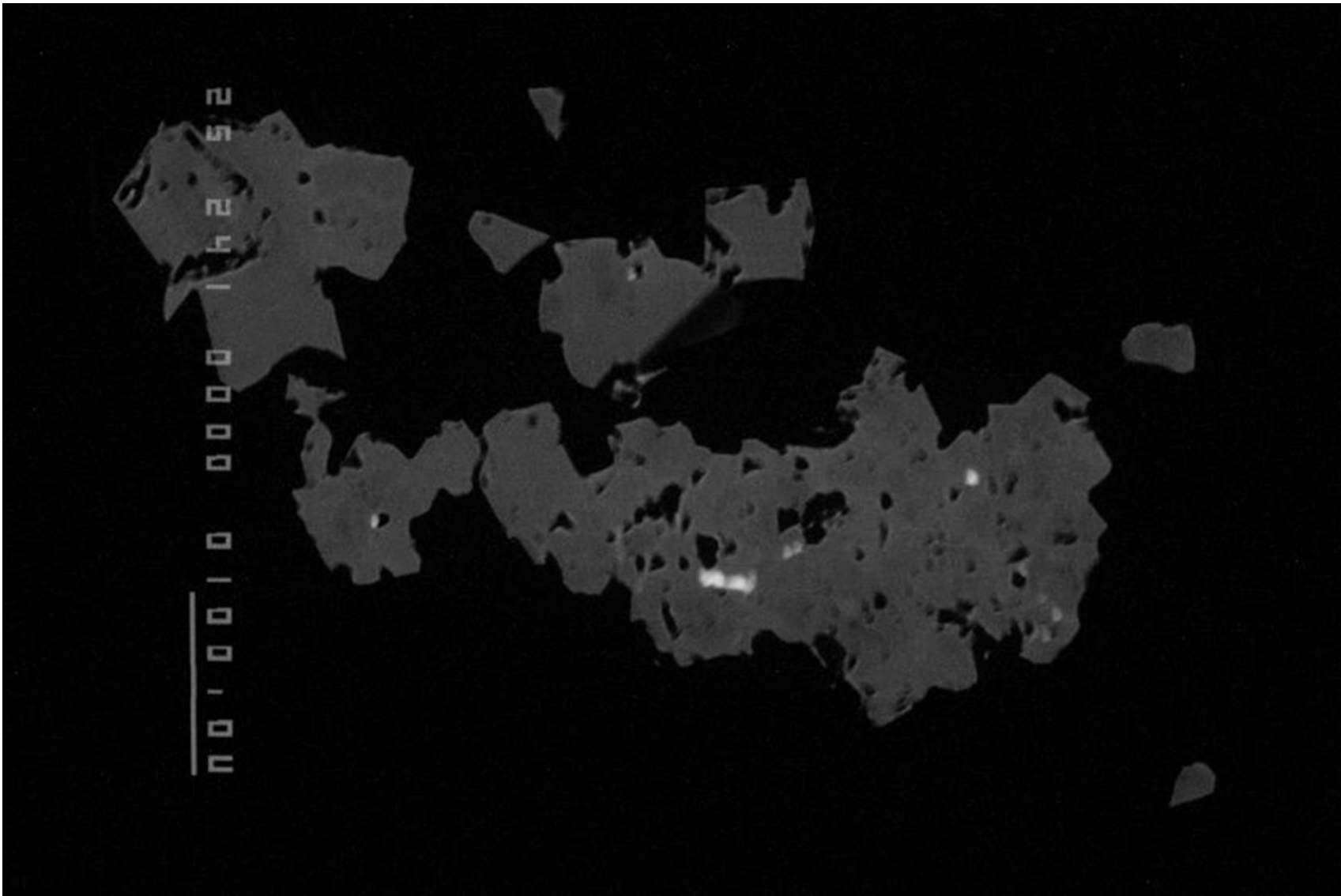


Figure 29. Rock Sample TR-12, Thin Section A: Galena inclusions in arsenopyrite crystal in quartz.

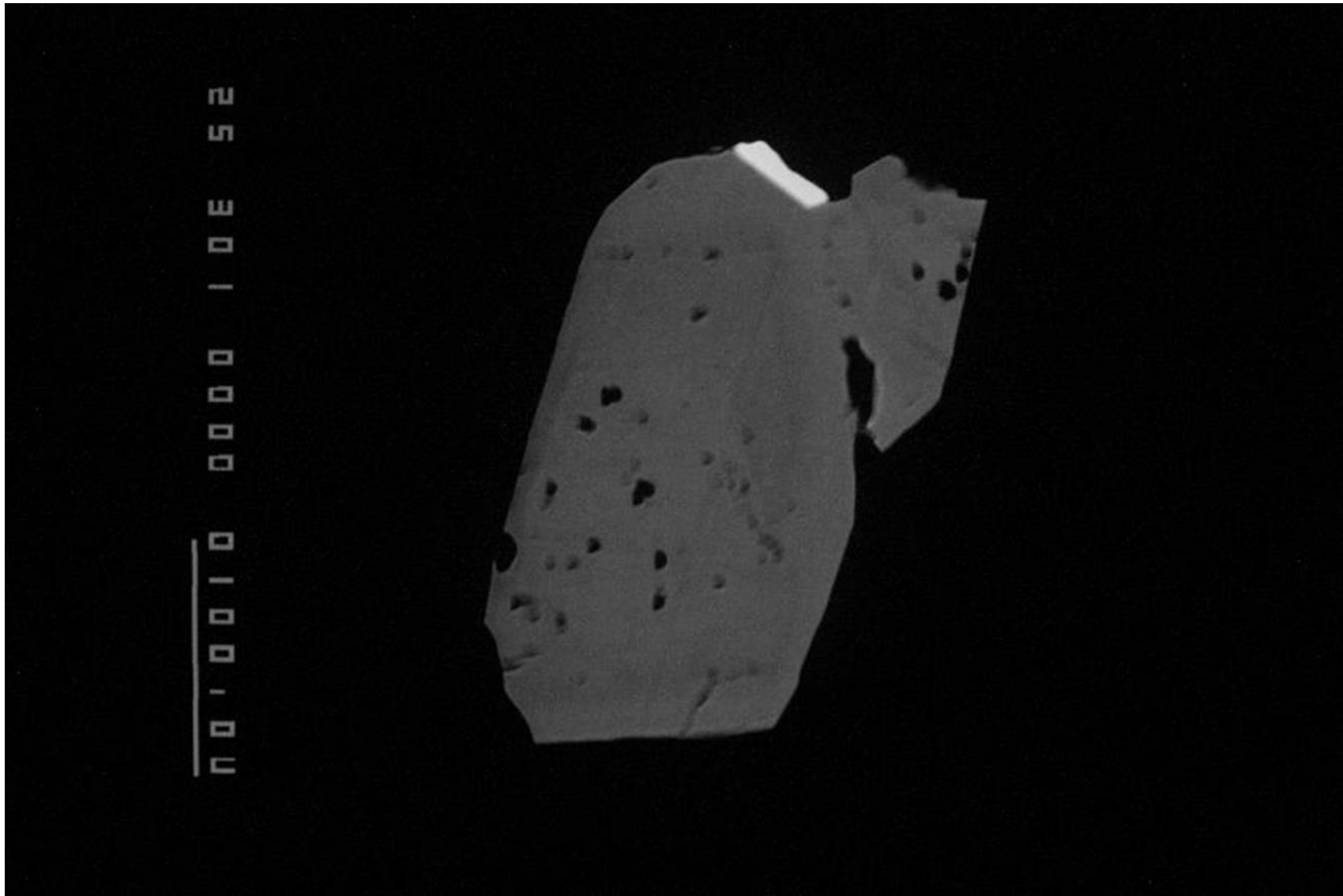


Figure 30. Rock Sample TR-12, Thin Section B: Galena crystal on arsenopyrite crystal in quartz.

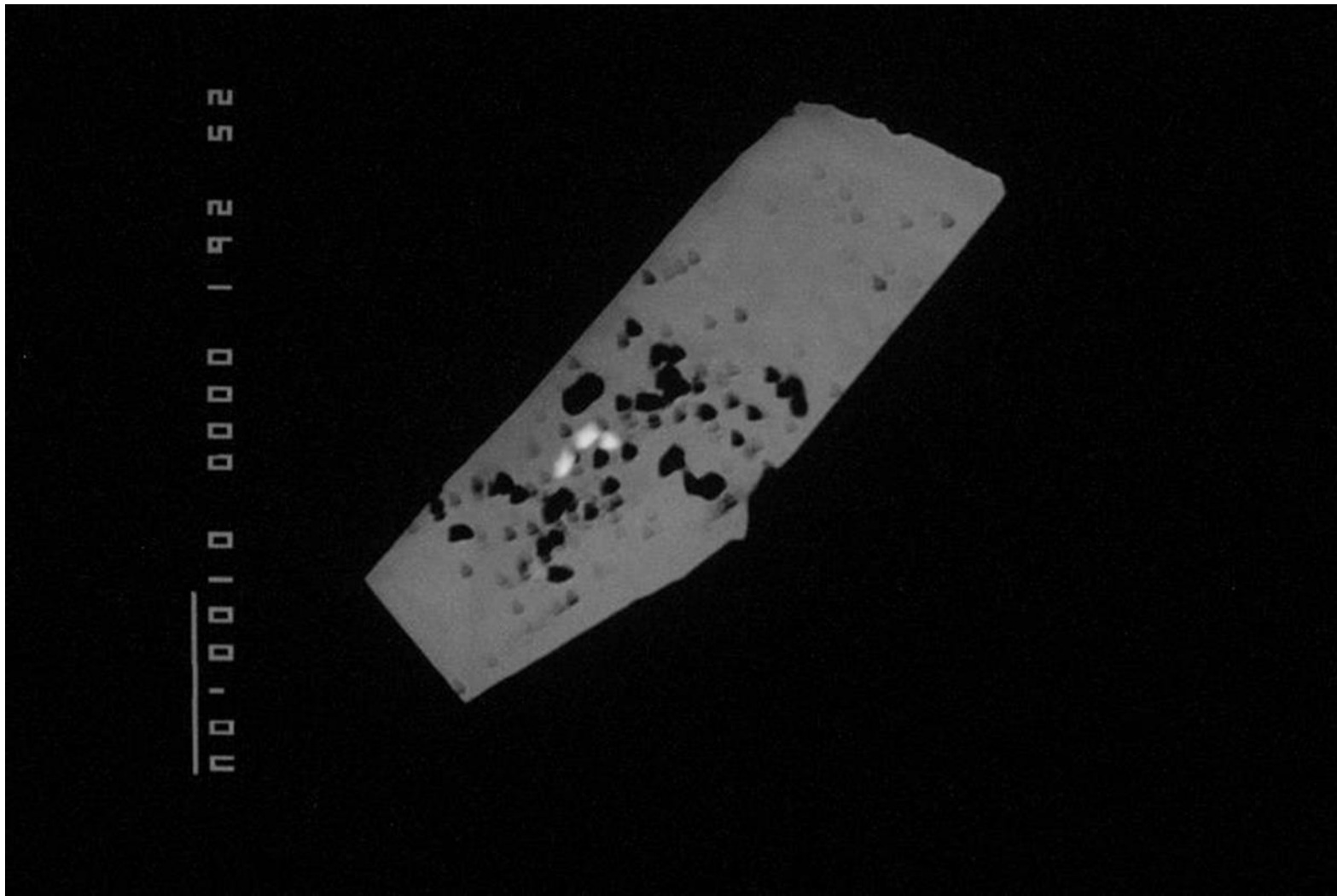


Figure 31. Rock Sample TR-12, Thin Section C: Galena inclusions in arsenopyrite crystal in quartz.

Discussion of Results

The geological survey was hindered by the difficulty finding outcrops on the property due to extensive overburden. However, all the outcrops found on the property contain localized shearing, quartz stringer stockwork and pyrite mineralization considered favorable for gold and base metal deposition. Although poorly exposed, the Miller gold occurrence appears to be associated with a larger structure believed to be a northeast trending shear zone. There is evidence of a porphyry intrusion at the site but the extent of which could not be determined because of the deteriorating conditions of the historic trenches. Carbonate alteration is not evident. A large quartz vein follows the structure and is partially exposed in Trench-2. Large blocks of quartz are present in the vicinity of the vein. The quartz consists of two types suggesting multiple events of quartz veining may have occurred. Rock samples of quartz well-mineralized with arsenopyrite consistently returned gold values. The best gold assays were obtained from samples which included the contact with greywacke (Figure 32). In each sample, the quartz contained fragments of silicified greywacke well-mineralized with arsenopyrite and the wallrock contacting the vein was well-mineralized and silicified also (Figure 33).

The rock sampling indicated a strong correlation between gold mineralization and arsenopyrite. The EDS examination also showed a strong correlation of galena with arsenopyrite and a potential for rare earth mineralization with the discovery of a monazite inclusion in a grain of arsenopyrite. Silver appears to be associated with gold and maybe occurring as electrum. Sphalerite was observed in quartz and confirmed by assay. Other minerals identified in the Miller gold occurrence include: cadmium, antimony and molybdenum. Anomalous molybdenum also was detected in greywacke mineralized with quartz stringers and pyrite exposed in Trench-1 and in outcrops found along the McCowan Road.



**Figure 32. Trench-2
Silicified Greywacke with quartz and arsenopyrite
adjacent quartz vein. Trench debris.
Sample TR-11
357957mE, 5495241mN**



**Figure 33. Trench-2
Quartz with fragments of greywacke and arsenopyrite.
Sample TR-12 Trench debris
357917mE, 5495232mN**

Conclusions and Recommendations

Gold, silver, lead and zinc were detected in rock samples from the Miller gold occurrence. The extent of the mineralization could not be determined due to deteriorating condition of historic workings at the site and extensive overburden in the area. The results are favorable to warrant additional work on the gold occurrence. An overburden stripping program between Trench-2 to Trench-3 is recommended. The object of the program would be to expose mineralization and test along strike. To achieve this, an area measuring 50 metres x 10 metres in size would be stripped of overburden.

Respectfully Submitted,



Dr. Jim Renaud P.Ge., Ph.D.



Robert J. Dillman P.Ge., B.Sc.

January 30, 2019

References

- Bennett, G., Brown, D.D., George, P.T. and Leahy, E. J. 1966.** Hearst-Kapuskasing Sheet. Geological Compilation Series Map: 2166. Ontario Department of Mines.
- Burke, D.A., 1939.** Property Assessment Report. R. Miller Property, McCowan Township. Sylvanite Gold Exploration Department. Unpublished assessment file: 42G10SE0006
- Carter, P.C., 1938.** Preliminary Report On Miller Claims, McCowan Township District Of Algoma, Ontario. Unpublished assessment file: 42G10SE0006
- Hogg, N., 1948.** Property Assessment Report, Miller Claims, McCowan Township, Sudbury Mining Division. Resident Geologist Report, Ontario Department of Mines. Unpublished assessment file: 42G10SE0006
- Keevil, N.B. and Low, J.H., 1945.** Report on a Geomagnetic Survey on part of the Property Of Valrita Mines Limited, McCowan Township. McCowan Township, Cochrane District, Ontario. Unpublished assessment work file: 42G10SE0004
- Korpela, D., 1985.** Magnetometer Survey and VLF-EM Survey, Porcupine Mining Division McCowan Township on behalf of Romex Resources Inc. and Omab Enterprises Ltd., Timmins, Ontario. Survey by: Northland Explorations Ltd. Unpublished assessment work file: 42G10SE0002
- Miller, R., 1948.** Report on Diamond Drilling, Miller Claims, McCowan Township, Unpublished assessment work file: 42G10SE0006
- Smith, R. G., 1987.** Report on Overburden Stripping, Miller Gold Property, McCowan Township. Unpublished assessment work file: 42G10SE0003
- Smith, R. G., 1988.** Report on Diamond Drilling, Miller and Keevil Showings. McCowan Township. Unpublished assessment work file: 42G10SE0001

Dr. Jim A. Renaud, P.Ge, Ph.D
Renaud Geological Consulting Ltd.
21272 Denfield Rd, London, Ontario, Canada, N6H 5L2
renaudgeological@execulink.com

CERIFICATE of AUTHOR

I, Jim A. Renaud, **Professional Geologist**, do certify that:

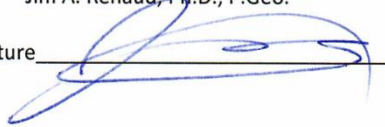
1. I am the President and the holder of a Certificate of Authorization for:

Renaud Geological Consulting Ltd.
21272 Denfield Rd
London, Ontario, Canada,
N6H 5L2

2. I am President and CEO of Renaud Geological Consulting Ltd.;
3. That I have the degree of Bachelor of Science (Chemistry and Geology), 1999, from Western University; the degree of Honors Standing in Geology, 2000, from Western University; Masters of Science (Economic Geology), 2003, from Western University; and Doctor of Philosophy in Geology, 2014, from Western University;
4. I am an active member of:
Association of Professional Geoscientists of Ontario, APGO, #2211
5. I have been a licensed Prospector in Ontario since 2000;
6. I have worked continuously as a Geologist for 18 years;
7. That I am a joint author of this report on the Kapuskasing claims;
8. That I am jointly responsible for all sections of the Technical Report;
9. That I visited the Kapuskasing claims between the dates of September 10 and September 18, 2017;
10. That, as of the date of this certificate, to the best of my knowledge, information and belief, the report contains all scientific and technical information that is required to be disclosed to make the technical report not misleading;
11. I hereby consent to the filing of the report

Dated at London, Ontario, Canada
This 30 day of January, 2019
Jim A. Renaud, Ph.D., P.Ge.

Signature _____



Date _____

Jan. 30 2019



Robert J. Dillman P.Geo, B.Sc.
ARJADEE PROSPECTING
8901 Reily Drive, Mount Brydges, Ontario, Canada, N0L1W0
Phone/ fax (519) 264-9278

CERIFICATE of AUTHOR

I, **Robert J. Dillman, Professional Geologist**, do certify that:

1. I am the **President** and the holder of a **Certificate of Authorization** for:

ARJADEE PROSPECTING
8901 Reily Drive
Mount Brydges, Ontario, Canada
N0L1W0

2. I graduated in 1991 with a **Bachelor of Science Degree in Geology** at the **University of Western Ontario**.

3. I am an active member of:

Association of Professional Geoscientists of Ontario, APGO
Prospectors and Developers Association of Canada, PDAC

4. I have been a **licensed Prospector in Ontario** since 1985.

5. I have worked continuously as a **Professional Geologist** for 28 years.


6. Unless stated otherwise, **I am responsible** for the preparation of all sections of the Assessment Report titled:

REPORT ON GEOLOGY, ROCK SAMPLING AND
ENERGY-DISPERSIVE SPECTROMETER (EDS) EXAMINATION
McCOWAN PROPERTY
PORQUINE MINING DIVISION
McCOWAN TOWNSHIP, ONTARIO

dated, January 22, 2019

7. I am not aware of any material fact or material change with respect to the subject matter of the Assessment Report that is not contained in the Assessment Report and its omission to disclose makes the Assessment Report misleading.

Dated this 22th day of January, 2019


Robert James Dillman P.Geo
Arjadee Prospecting



Appendix 1.

UTM Coordinates for Survey Lines and Traverses:

McCowan Property, McCowan Twp.

NAD 87 Zone 17

September 8 to 13, 2017

Line	2+00S Coordinate	1+00S Coordinate	Baseline Coordinate	1+00N Coordinate	2+00N Coordinate
0+00	358201mE 5495096mN	358215mE 5495199mN	358206mE 5495295mN	358222mE 5495383mN	358209mE 5495481mN
0+50W	358158mE 5495089mN	3581154mE 5495197mN	358163mE 5495297mN	358158mE 5495385mN	
1+00W	358072mE 5495095mN	358082mE 5495195mN	358106mE 5495297mN	358111mE 5495385mN	
1+50W	358049mE 5495094mN	358050mE 5495197mN	358055mE 5495301mN	358048mE 5495401mN	
2+00W	357998mE 5495109mN	357988mE 5495202mN	358003mE 5495298mN	357996mE 5495400mN	
2+50W	357954mE 5495109mN	357945mE 5495198mN	357954mE 5495304mN	357953mE 5495404mN	357959mE 5495500mN
3+00W	357898mE 5495108mN	357907mE 5495197mN	357902mE 5495295mN	357900mE 5495399mN	357901mE 5495513mN
3+50W	357851mE 5495108mN	357856mE 5495199mN	357849mE 5495292mN	357851mE 5495390mN	
4+00W	357801mE 5495109mN	357800mE 5495202mN	357793mE 5495301mN	357791mE 5495403mN	
4+50W	357757mE 5495099mN	357755mE 5495200mN	357757mE 5495301mN	357760mE 5495411mN	
5+00W	357699mE 5495113mN	357700mE 5495210mN	357703mE 5495301mN	357691mE 5495425mN	
5+50W	357650mE 5495112mN	357650mE 5495207mN	357650mE 5495306mN	357649mE 5495401mN	
6+00W	357598mE 5495109mN	357582mE 5495211mN	357585mE 5495318mN	357587mE 5495415mN	

September 9, 2017 Traverse

358207mE, 5495566mN to 358199mE, 5494963mN to 358726mE, 5494950mN to
358778mE, 5495528mN to 358207mE, 5495566mN.

Appendix 2.

Rock Sample Locations, Descriptions and Assay Results

McCowan Property, McCowan Twp., Ontario

JayCubed Explorations

SAMPLE NUMBER	CLAIM NUMBER	CELL NUMBER	UTM COORDINATES	SAMPLE TYPE	SAMPLE DESCRIPTION	ASSAY
TR-1	538983	42G10E346	358120mE 5495318mN	Composite, Best over 2.0 m Trench-1	Contorted, braided quartz stringers hairline to 2 cm wide, in altered metasediment. Weak FeC in metasediment, trace pyrite.	0.01 ppm Au
TR-2	538983	42G10E346	358118mE 5495315mN	Representative 0.20 m Trench-1	Rusty shear with quartz stringers. Tr.-2% disseminated pyrite in sheared metasediment. Old saw cut across structure.	0.005 ppm Au 6.4 ppm Mo
TR-3	538983	42G10E346	358121mE 54953011mN	Trench debris Loose material on bedrock Trench-1	Rusty shear with quartz stringers. Tr.-2% disseminated pyrite in sheared metasediment.	0.021 ppm Au
TR-4	538983	42G10E346	358124mE 5495308mN	Composite, Best over 2.0 m Trench-1	Contorted, braided quartz stringers hairline to 2 cm wide, in altered metasediment. Weak FeC in metasediment, trace pyrite.	0.022 ppm Au
TR-5	538983	42G10E346	357947mE 5495239mN	Bedrock in Trench-2. Best	Sucrosic quartz vein with trace arsenopyrite, traces of possible sphalerite.	0.162 ppm Au 391 ppm Pb 104 ppm Zn
TR-6	538983	42G10E346	357956mE 5495242mN	Trench debris Loose material in pile Trench-2	Large block of sucrosic quartz and greywacke wallrock. 5 -15% disseminated arsenopyrite in wallrock, traces - 5% arsenopyrite in quartz, trace – 5% disseminated galena in quartz. 0.4 x 0.3 x 0.2 m	1.44 ppm Au 2,360 ppm Pb 10.4 ppm Ag 13 ppm Sb 0.6 ppm Cd
TR-7	538983	42G10E346	357957mE 5495241mN	Trench debris Loose material in pile Trench-2	Large block of sucrosic quartz with fragments of altered greywacke wallrock. 10-20% disseminated arsenopyrite in wallrock fragments, trace-10% arsenopyrite in quartz. Arsenopyrite ranges from fine euhedral needles to euhedral and anhedral striated cubes. 0.3 x 0.3 x 0.2 m	1.51 ppm Au 2.6 ppm Ag 259 ppm Pb

Appendix 2 con't.

Rock Sample Locations, Descriptions and Assay Results

McCowan Property, McCowan Twp., Ontario

JayCubed Explorations

SAMPLE NUMBER	CLAIM NUMBER	CELL NUMBER	UTM COORDINATES	SAMPLE TYPE	SAMPLE DESCRIPTION	ASSAY
TR-8	538983	42G10E346	357960mE 5495240mN	Trench debris Loose material in pile Trench-2	Large block of sucrosic quartz and silicified greywacke wallrock. 20-30% disseminated arsenopyrite in wallrock, 5 -10% arsenopyrite in quartz. Trace galena in quartz. 0.3 x 0.3 x 0.2 m	0.353 ppm Au
TR-9	538983	42G10E346	357962mE 5495243mN	Trench debris Loose material in pile Trench-2	Large block of sucrosic quartz and alternating seams of silicified greywacke wallrock each less than 0.5 cm wide. 1-20% disseminated arsenopyrite in wallrock, Trace arsenopyrite in quartz. Trace galena in quartz. 0.3 x 0.3 x 0.2 m	1.83 ppm Au 832 ppm Pb 4.9 ppm Ag
TR-10	538983	42G10E346	357952mE 5495240mN	Trench debris Loose material in pile Trench-2	Large block of sucrosic quartz with trace – 5% arsenopyrite, trace galena. 0.4 x 0.4 x 0.3 m	0.059 ppm Au
TR-11	538983	42G10E346	357957mE 5495241mN	Trench debris Loose material in pile Trench-2	Similar to TR-9, sucrosic quartz and alternating seams of silicified greywacke wallrock. 1-15 disseminated arsenopyrite in wallrock, Trace arsenopyrite in quartz. Trace galena in quartz. 0.3 x 0.3 x 0.2 m	1.01 ppm Au 4.5 ppm Ag
TR-12	538983	42G10E346	357917mE 5495232mN	Trench debris Beside slit trench between Trench-2 and Trench-3	Large block of sucrosic quartz and silicified greywacke wallrock fragments. 5-20% disseminated arsenopyrite in wallrock fragment, trace arsenopyrite in quartz. Trace-1% galena in quartz. Trace – 5% sphalerite 0.4 x 0.3 x 0.2 m	0.177 ppm Au 2,500 ppm Zn 4,650 ppm Pb 15.3 ppm Ag 14 ppm Sb 32.1 ppm Cd
TR-13	538983	42G10E346	357916mE 5495231mN	Trench debris beside Trench-3	Large block of sucrosic quartz with 2-10% arsenopyrite. Trace galena in quartz. 0.4 x 0.4 x 0.3 m	0.196 ppm Au 1,550 ppm Pb 10.0 ppm Cd

Appendix 2 con't.

Rock Sample Locations, Descriptions and Assay Results

McCowan Property, McCowan Twp., Ontario

JayCubed Explorations

SAMPLE NUMBER	CLAIM NUMBER	CELL NUMBER	UTM COORDINATES	SAMPLE TYPE	SAMPLE DESCRIPTION	ASSAY
TR-14	538983	42G10E346	357916mE 5495230mN	Trench debris Loose material in pile beside Trench-3	Large block of sucrosic quartz. 2-10% arsenopyrite in quartz. Trace galena in quartz. 0.3 x 0.3 x 0.2 m	0.157 ppm Au
TR-15	538983	42G10E346	357919mE 5495226mN	Trench debris in slit trench 15 m east of Trench-3	Large block of sucrosic quartz and altered porphyry. Altered porphyry made into sample TR-23. Quartz has fragments greywacke with 2-5% arsenopyrite, 5 -10% arsenopyrite in quartz. 0.4 x 0.3 x 0.3 m	0.201 ppm Au 1.7 ppm Cd
TR-16	538983	42G10E346	357917mE 5495232mN	Best composite from 6 x 3 m outcrop in Trench-3	Numerous hairline to 2 cm wide contorted quartz stringers in greywacke, patchy traces of disseminated pyrite. Trace arsenopyrite.	0.015 ppm Au
TR-17	538983	42G10E346	357930mE 5495236mN	Trench debris Loose material in slit trench between Trench- and Trench-3	Small piece of sucrosic quartz. 2-10% arsenopyrite. 0.3 x 0.3 x 0.2 m	0.089 ppm Au
TR-18	538986	42G10E307	358597mE 5496028mN	Best, outcrop in cleared area west side of road. 3 m	Greywacke outcrop with quartz stringers. Trace pyrite in greywacke	0.033 ppm Au
TR-19	302000	42G10E327	358610mE 5495847mN	Representative 0.25 m. Outcrop in ditch east side road	Greywacke with 0.25 cm wide weak shear with quartz stringers, trace pyrite, trace pyrrhotite.	0.002 ppm Au
TR-20	302000	42G10E327	358611mE 5495847mN	Best 0.25 m. Outcrop in ditch east side road	Greywacke with 0.25 cm wide weak shear with quartz stringers,, sample consists mostly of greywacke with trace pyrite, trace pyrrhotite, trace bornite?	0.005 ppm Au

Appendix 2 con't.

Rock Sample Locations, Descriptions and Assay Results

McCowan Property, McCowan Twp., Ontario

JayCubed Explorations

SAMPLE NUMBER	CLAIM NUMBER	CELL NUMBER	UTM COORDINATES	SAMPLE TYPE	SAMPLE DESCRIPTION	ASSAY
TR-21	302000	42G10E327	358612mE 5495847mN	Best 0.25 m. Outcrop in ditch east side road	Same, sample consists mostly of quartz with trace pyrite.	0.005 ppm Au
TR-22	538983	42G10E346	357941mE 5495211mN	Trench debris Loose deep pit between Trench-2 and Trench-3	Large block of crystalline white to rusty quartz and chlorite bearing mafic wallrock. Trace - 2% pyrite in quartz. 0.3 x 0.3 x 0.3 m	0.022 ppm Au
TR-23	538983	42G10E346	357915mE 5495230mN	Trench debris in slit trench 15 m east of Trench-3	Large block of sucrosic quartz and altered porphyry. Sample consists of altered porphyry with 5-10% arsenopyrite. Quartz was made into sample TR-15 0.4 x 0.3 x 0.3 m	0.097 ppm Au

CLIENT NAME: MISC AGAT CLIENT ON, ON
ATTENTION TO: Robert Dillman, J. Renaud
PROJECT: Robert Dillman
AGAT WORK ORDER: 17T261240
SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor
DATE REPORTED: Oct 25, 2017
PAGES (INCLUDING COVER): 10

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: 17T261240
PROJECT: Robert Dillman

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: Robert Dillman, J. Renaud

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish															
DATE SAMPLED: Sep 17, 2017	DATE RECEIVED: Sep 18, 2017					DATE REPORTED: Oct 25, 2017					SAMPLE TYPE: Other				
Sample ID (AGAT ID)	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
TR-1 (8726661)		<0.2	2.13	91	<5	379	0.9	<1	1.28	<0.5	45	22.3	202	48.4	3.36
TR-2 (8726662)		<0.2	1.81	166	<5	195	0.9	2	0.42	<0.5	44	26.9	92.8	74.1	3.94
TR-3 (8726663)		<0.2	2.07	29	<5	171	0.9	<1	0.38	<0.5	39	21.4	140	45.0	3.43
TR-4 (8726664)		<0.2	2.34	46	<5	419	1.1	2	0.28	<0.5	52	25.6	160	57.7	4.16
TR-5 (8726665)		1.4	0.15	7750	<5	67	<0.5	<1	0.05	<0.5	6	3.7	22.2	3.7	0.95
TR-6 (8726666)		10.4	0.38	>10000	<5	113	<0.5	<1	0.11	0.6	20	15.0	89.1	8.4	4.04
TR-7 (8726667)		2.6	0.39	>10000	<5	78	<0.5	<1	0.06	<0.5	11	8.6	38.2	5.3	2.17
TR-8 (8726668)		0.4	1.42	9440	<5	443	0.6	<1	0.18	<0.5	43	21.4	174	58.2	3.50
TR-9 (8726669)		4.9	0.15	>10000	6	21	<0.5	5	0.04	<0.5	3	3.2	25.1	6.0	1.43
TR-10 (8726670)		0.4	0.40	>10000	<5	103	<0.5	<1	0.09	<0.5	13	6.3	106	3.3	1.42
TR-11 (8726671)		4.5	0.09	>10000	<5	16	<0.5	<1	0.02	<0.5	4	4.4	25.5	17.8	2.08
TR-12 (8726672)		15.3	0.54	>10000	<5	149	<0.5	<1	1.70	32.1	14	7.1	110	4.7	2.00
TR-13 (8726673)		1.9	0.18	>10000	<5	22	<0.5	<1	0.36	10.0	5	3.9	21.3	3.3	1.20
TR-14 (8726674)		1.0	0.45	>10000	<5	87	<0.5	<1	0.15	0.9	12	7.5	84.2	9.1	1.77
TR-15 (8726675)		1.3	1.16	>10000	<5	500	0.6	<1	0.75	1.7	24	14.8	143	24.2	2.94
TR-16 (8726676)		<0.2	1.99	92	<5	324	0.9	<1	0.65	<0.5	46	24.1	178	45.4	3.45
TR-17 (8726677)		0.5	1.38	6890	<5	530	0.6	<1	0.84	<0.5	38	19.9	127	62.3	3.45
TR-18 (8726678)		<0.2	1.14	3630	<5	248	0.5	<1	1.84	<0.5	51	16.2	118	67.6	3.31
TR-19 (8726679)		<0.2	3.46	32	<5	88	0.7	<1	1.64	<0.5	41	18.7	169	105	8.24
TR-20 (8726680)		<0.2	3.44	16	<5	27	0.6	<1	1.45	0.6	65	25.0	210	2.3	6.68
TR-21 (8726681)		<0.2	3.35	4	<5	133	0.6	<1	0.99	1.2	29	16.5	150	150	8.79
TR-22 (8726682)		<0.2	1.85	12	<5	43	0.8	<1	0.74	<0.5	28	19.8	103	67.1	3.84
TR-23 (8726683)		0.5	0.38	4880	<5	45	<0.5	<1	0.22	<0.5	8	3.2	61.3	9.9	1.51

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 17T261240
PROJECT: Robert Dillman

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9698
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman, J. Renaud

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

Sample ID (AGAT ID)	Analyte: Unit: RDL:	DATE RECEIVED: Sep 18, 2017										DATE REPORTED: Oct 25, 2017			SAMPLE TYPE: Other		
		Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb		
		ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm		
TR-1 (8726661)		15	<1	<1	1.44	23	31	1.69	466	<0.5	0.06	77.7	568	8.0	98		
TR-2 (8726662)		13	3	<1	0.74	20	30	1.56	358	6.4	0.04	87.4	706	9.6	49		
TR-3 (8726663)		15	<1	<1	0.64	17	36	1.87	415	0.6	0.05	84.2	778	2.1	43		
TR-4 (8726664)		17	3	<1	1.53	24	37	1.76	429	3.0	0.06	72.3	735	5.6	115		
TR-5 (8726665)		<5	2	1	0.08	3	1	0.07	52	3.4	0.02	11.7	151	391	<10		
TR-6 (8726666)		<5	1	<1	0.18	10	5	0.26	102	2.8	0.04	48.6	366	2360	11		
TR-7 (8726667)		<5	<1	<1	0.17	5	6	0.35	112	<0.5	0.04	24.0	127	259	<10		
TR-8 (8726668)		12	1	<1	0.96	22	19	1.33	467	1.0	0.07	77.3	655	108	54		
TR-9 (8726669)		<5	<1	1	0.04	2	5	0.13	57	1.0	0.02	10.2	87	832	<10		
TR-10 (8726670)		<5	1	3	0.21	7	5	0.32	161	2.2	0.04	22.1	204	70.7	<10		
TR-11 (8726671)		<5	1	1	0.03	2	<1	0.05	36	0.7	0.02	25.0	45	547	<10		
TR-12 (8726672)		7	1	<1	0.27	7	9	0.63	575	3.2	0.04	25.2	471	4650	14		
TR-13 (8726673)		<5	<1	<1	0.04	3	3	0.18	126	<0.5	0.03	15.1	117	1550	<10		
TR-14 (8726674)		<5	<1	<1	0.17	7	7	0.41	183	1.5	0.05	26.2	213	432	<10		
TR-15 (8726675)		12	2	5	0.76	12	16	1.12	536	1.9	0.06	44.6	506	391	43		
TR-16 (8726676)		17	<1	5	1.32	21	30	1.64	472	<0.5	0.07	73.8	679	23.3	90		
TR-17 (8726677)		13	1	<1	0.86	19	22	1.36	455	1.8	0.06	59.5	550	26.7	58		
TR-18 (8726678)		12	2	<1	0.63	25	19	1.50	548	0.6	0.07	51.3	710	62.5	35		
TR-19 (8726679)		16	3	<1	0.21	21	26	2.03	659	<0.5	0.03	87.3	927	10.0	13		
TR-20 (8726680)		21	<1	<1	0.06	30	28	2.30	651	<0.5	0.02	119	998	9.7	<10		
TR-21 (8726681)		14	3	<1	0.28	15	19	1.93	570	<0.5	0.03	75.6	772	9.6	21		
TR-22 (8726682)		11	2	<1	0.13	13	21	1.11	364	1.7	0.04	74.9	455	7.8	<10		
TR-23 (8726683)		<5	1	2	0.11	4	4	0.26	341	<0.5	0.05	12.2	487	168	<10		

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 17T261240
PROJECT: Robert Dillman

5823 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: Robert Dillman, J. Renaud

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

Sample ID (AGAT ID)	DATE SAMPLED: Sep 17, 2017		DATE RECEIVED: Sep 18, 2017					DATE REPORTED: Oct 25, 2017					SAMPLE TYPE: Other				
	Analyte:	Unit:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
	RDL:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
TR-1 (8726661)	0.01	0.25	<1	10.7	<10	8	23.2	<10	<10	<5	0.21	<5	<5	88.3	3		
TR-2 (8726662)		0.78	<1	4.3	<10	6	15.3	13	<10	<5	0.15	6	<5	51.1	<1		
TR-3 (8726663)		0.27	<1	5.3	<10	7	12.3	<10	<10	<5	0.17	<5	<5	65.8	<1		
TR-4 (8726664)		0.45	<1	9.1	<10	10	11.7	14	<10	<5	0.24	<5	<5	85.8	<1		
TR-5 (8726665)		0.39	3	<0.5	<10	<5	1.0	<10	<10	<5	<0.01	<5	<5	3.2	<1		
TR-6 (8726666)		2.19	13	1.5	<10	<5	3.7	12	<10	<5	0.02	<5	<5	14.9	<1		
TR-7 (8726667)		1.04	6	1.4	<10	<5	5.4	<10	<10	<5	0.02	<5	<5	13.7	<1		
TR-8 (8726668)		1.37	2	10.2	<10	<5	11.9	11	<10	<5	0.09	<5	<5	80.9	<1		
TR-9 (8726669)		0.68	4	<0.5	<10	<5	1.9	<10	<10	<5	<0.01	<5	<5	4.2	<1		
TR-10 (8726670)		0.54	1	1.0	<10	<5	6.3	<10	<10	<5	0.02	<5	<5	11.7	<1		
TR-11 (8726671)		1.12	8	<0.5	<10	<5	1.1	<10	<10	<5	<0.01	<5	<5	3.6	<1		
TR-12 (8726672)		0.97	14	1.4	<10	<5	64.3	<10	<10	<5	0.02	<5	<5	11.8	5		
TR-13 (8726673)		0.59	4	<0.5	<10	<5	21.9	<10	<10	<5	<0.01	<5	<5	3.7	<1		
TR-14 (8726674)		0.65	5	1.1	<10	<5	15.3	<10	<10	<5	0.01	<5	<5	14.3	<1		
TR-15 (8726675)		0.91	4	5.9	<10	<5	32.3	<10	<10	<5	0.07	<5	<5	51.6	<1		
TR-16 (8726676)		1.38	<1	12.3	<10	6	36.9	12	<10	<5	0.18	<5	<5	97.5	<1		
TR-17 (8726677)		1.38	<1	7.9	<10	<5	30.6	12	<10	<5	0.08	<5	<5	70.1	<1		
TR-18 (8726678)		1.40	2	7.1	<10	<5	44.7	10	<10	<5	0.07	<5	<5	60.5	4		
TR-19 (8726679)		0.70	<1	5.3	<10	<5	43.1	28	<10	<5	0.11	<5	<5	75.0	2		
TR-20 (8726680)		0.03	<1	11.3	12	<5	60.6	24	<10	<5	0.09	<5	<5	98.1	<1		
TR-21 (8726681)		0.96	<1	3.9	13	<5	30.9	30	<10	<5	0.09	<5	<5	64.6	<1		
TR-22 (8726682)		0.28	<1	5.1	<10	<5	20.4	14	<10	<5	0.09	<5	<5	53.9	<1		
TR-23 (8726683)		0.33	3	<0.5	<10	<5	16.9	<10	<10	<5	<0.01	<5	<5	5.9	<1		

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 17T261240
 PROJECT: Robert Dillman

5823 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: Robert Dillman, J. Renaud

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

DATE SAMPLED: Sep 17, 2017	DATE RECEIVED: Sep 18, 2017			DATE REPORTED: Oct 25, 2017	SAMPLE TYPE: Other
Sample ID (AGAT ID)	Analyte:	Y	Zn	Zr	As-OL
	Unit:	ppm	ppm	ppm	%
	RDL:	1	0.5	5	0.01
TR-1 (8726661)		7	77.1	24	
TR-2 (8726662)		7	248	39	
TR-3 (8726663)		8	104	34	
TR-4 (8726664)		9	91.2	44	
TR-5 (8726665)		1	104	6	
TR-6 (8726666)		3	82.6	16	4.60
TR-7 (8726667)		1	35.9	8	2.07
TR-8 (8726668)		6	120	27	
TR-9 (8726669)		<1	22.9	<5	1.39
TR-10 (8726670)		2	26.8	8	1.21
TR-11 (8726671)		<1	12.2	<5	2.08
TR-12 (8726672)		3	2500	11	1.48
TR-13 (8726673)		1	787	<5	1.01
TR-14 (8726674)		2	133	10	1.03
TR-15 (8726675)		4	257	23	1.00
TR-16 (8726676)		7	69.1	36	
TR-17 (8726677)		6	95.4	30	
TR-18 (8726678)		7	165	29	
TR-19 (8726679)		7	68.5	<5	
TR-20 (8726680)		10	77.0	7	
TR-21 (8726681)		5	66.4	<5	
TR-22 (8726682)		5	59.9	6	
TR-23 (8726683)		1	220	<5	

Comments: RDL - Reported Detection Limit

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 17T261240
 PROJECT: Robert Dillman

5823 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: Robert Dillman, J. Renaud

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Sep 17, 2017	DATE RECEIVED: Sep 18, 2017	DATE REPORTED: Oct 25, 2017	SAMPLE TYPE: Other
Analyte: Au			
Unit: ppm			
RDL: 0.001			
Sample ID (AGAT ID)			
TR-1 (8726661)			0.010
TR-2 (8726662)			0.005
TR-3 (8726663)			0.021
TR-4 (8726664)			0.022
TR-5 (8726665)			0.162
TR-6 (8726666)			1.44
TR-7 (8726667)			1.51
TR-8 (8726668)			0.353
TR-9 (8726669)			1.83
TR-10 (8726670)			0.059
TR-11 (8726671)			1.01
TR-12 (8726672)			0.177
TR-13 (8726673)			0.196
TR-14 (8726674)			0.157
TR-15 (8726675)			0.201
TR-16 (8726676)			0.015
TR-17 (8726677)			0.089
TR-18 (8726678)			0.033
TR-19 (8726679)			0.002
TR-20 (8726680)			0.005
TR-21 (8726681)			0.005
TR-22 (8726682)			0.022
TR-23 (8726683)			0.097

Comments: RDL - Reported Detection Limit

Certified By: _____



Quality Assurance - Replicate
 AGAT WORK ORDER: 17T261240
 PROJECT: Robert Dillman

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9996
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Robert Dillman, J. Renaud

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

Parameter	REPLICATE #1				REPLICATE #2												
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD									
Ag	8726661	< 0.2	< 0.2	0.0%	8726678	< 0.2	< 0.2	0.0%									
Al	8726661	2.13	2.14	0.5%	8726678	1.14	1.08	5.4%									
As	8726661	91	100	9.4%	8726678	3630	3600	0.8%									
B	8726661	< 5	< 5	0.0%	8726678	< 5	< 5	0.0%									
Ba	8726661	379	384	1.3%	8726678	248	239	3.7%									
Be	8726661	0.9	0.9	0.0%	8726678	0.55	0.56	1.8%									
Bi	8726661	< 1	< 1	0.0%	8726678	< 1	< 1	0.0%									
Ca	8726661	1.28	1.28	0.0%	8726678	1.84	1.82	1.1%									
Cd	8726661	< 0.5	< 0.5	0.0%	8726678	< 0.5	< 0.5	0.0%									
Ce	8726661	45	46	2.2%	8726678	51	51	0.0%									
Co	8726661	22.3	22.3	0.0%	8726678	16.2	15.8	2.5%									
Cr	8726661	202	201	0.5%	8726678	118	115	2.6%									
Cu	8726661	48.4	46.9	3.1%	8726678	67.6	61.3	9.8%									
Fe	8726661	3.36	3.35	0.3%	8726678	3.31	3.25	1.8%									
Ga	8726661	15	14	6.9%	8726678	12	12	0.0%									
Hg	8726661	< 1	< 1	0.0%	8726678	2	< 1										
In	8726661	< 1	3		8726678	< 1	< 1	0.0%									
K	8726661	1.44	1.44	0.0%	8726678	0.63	0.63	0.0%									
La	8726661	23	23	0.0%	8726678	25	25	0.0%									
Li	8726661	31	32	3.2%	8726678	19	19	0.0%									
Mg	8726661	1.69	1.69	0.0%	8726678	1.50	1.46	2.7%									
Mn	8726661	466	465	0.2%	8726678	548	524	4.5%									
Mo	8726661	< 0.5	< 0.5	0.0%	8726678	0.6	< 0.5										
Na	8726661	0.06	0.06	0.0%	8726678	0.067	0.064	4.6%									
Ni	8726661	77.7	76.9	1.0%	8726678	51.3	50.8	1.0%									
P	8726661	568	567	0.2%	8726678	710	717	1.0%									
Pb	8726661	8.0	8.4	4.9%	8726678	62.5	55.2	12.4%									
Rb	8726661	98	95	3.1%	8726678	35	36	2.8%									
S	8726661	0.25	0.25	0.0%	8726678	1.40	1.35	3.6%									
Sb	8726661	< 1	< 1	0.0%	8726678	2	3										
Sc	8726661	10.7	10.5	1.9%	8726678	7.1	7.1	0.0%									

AGAT QUALITY ASSURANCE REPORT

Results relate only to the items tested and to all the items tested

Page 7 of 10



Quality Assurance - Replicate
 AGAT WORK ORDER: 17T261240
 PROJECT: Robert Dillman

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: Robert Dillman, J. Renaud

Se	8726661	< 10	< 10	0.0%	8726678	< 10	< 10	0.0%									
Sn	8726661	8	7	13.3%	8726678	< 5	< 5	0.0%									
Sr	8726661	23.2	25.3	8.7%	8726678	44.7	49.5	10.2%									
Ta	8726661	9	12	28.6%	8726678	10	10	0.0%									
Te	8726661	< 10	< 10	0.0%	8726678	< 10	< 10	0.0%									
Th	8726661	< 5	< 5	0.0%	8726678	< 5	< 5	0.0%									
Tl	8726661	0.21	0.21	0.0%	8726678	0.07	0.07	0.0%									
Tl	8726661	< 5	< 5	0.0%	8726678	< 5	< 5	0.0%									
U	8726661	< 5	< 5	0.0%	8726678	< 5	< 5	0.0%									
V	8726661	88.3	87.0	1.5%	8726678	60.5	59.8	1.2%									
W	8726661	3	2		8726678	4	3	28.6%									
Y	8726661	7	7	0.0%	8726678	7	7	0.0%									
Zn	8726661	77.1	76.0	1.4%	8726678	165	157	5.0%									
Zr	8726661	24	24	0.0%	8726678	29	28	3.5%									

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

Parameter	Sample ID	REPLICATE #1			REPLICATE #2			RPD									
		Original	Replicate	RPD	Sample ID	Original	Replicate										
Au	8726661	0.0096	0.0080	18.2%	8726678	0.0329	0.0295	10.9%									



Quality Assurance - Certified Reference materials
 AGAT WORK ORDER: 17T261240
 PROJECT: Robert Dillman

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: Robert Dillman, J. Renaud

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish												
Parameter	CRM #1 (ref.CDN-ME-1303)				CRM #2 (ref.1P5K)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Ag	152	148	98%	90% - 110%								
Cu	3440	3441	100%	90% - 110%								
Pb	12200	12291	101%	90% - 110%								
Zn	9310	9288	100%	90% - 110%								
(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)												
Parameter	CRM #1 (ref.GS6D)				CRM #2 (ref.1P5K)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	6.09	6.19	102%	90% - 110%	1.44	1.52	106%	90% - 110%				

Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 17T261240

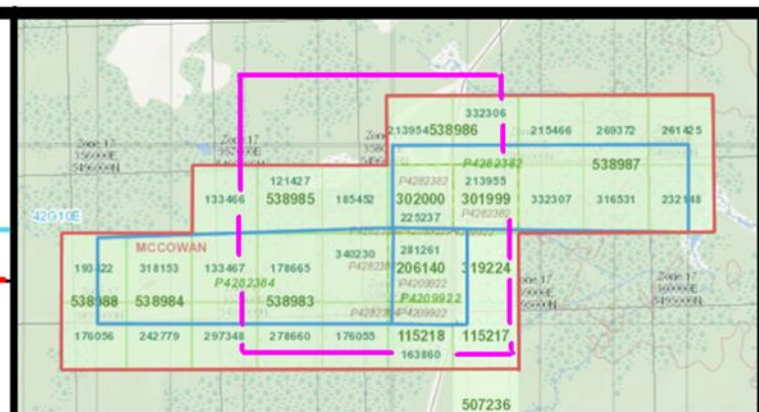
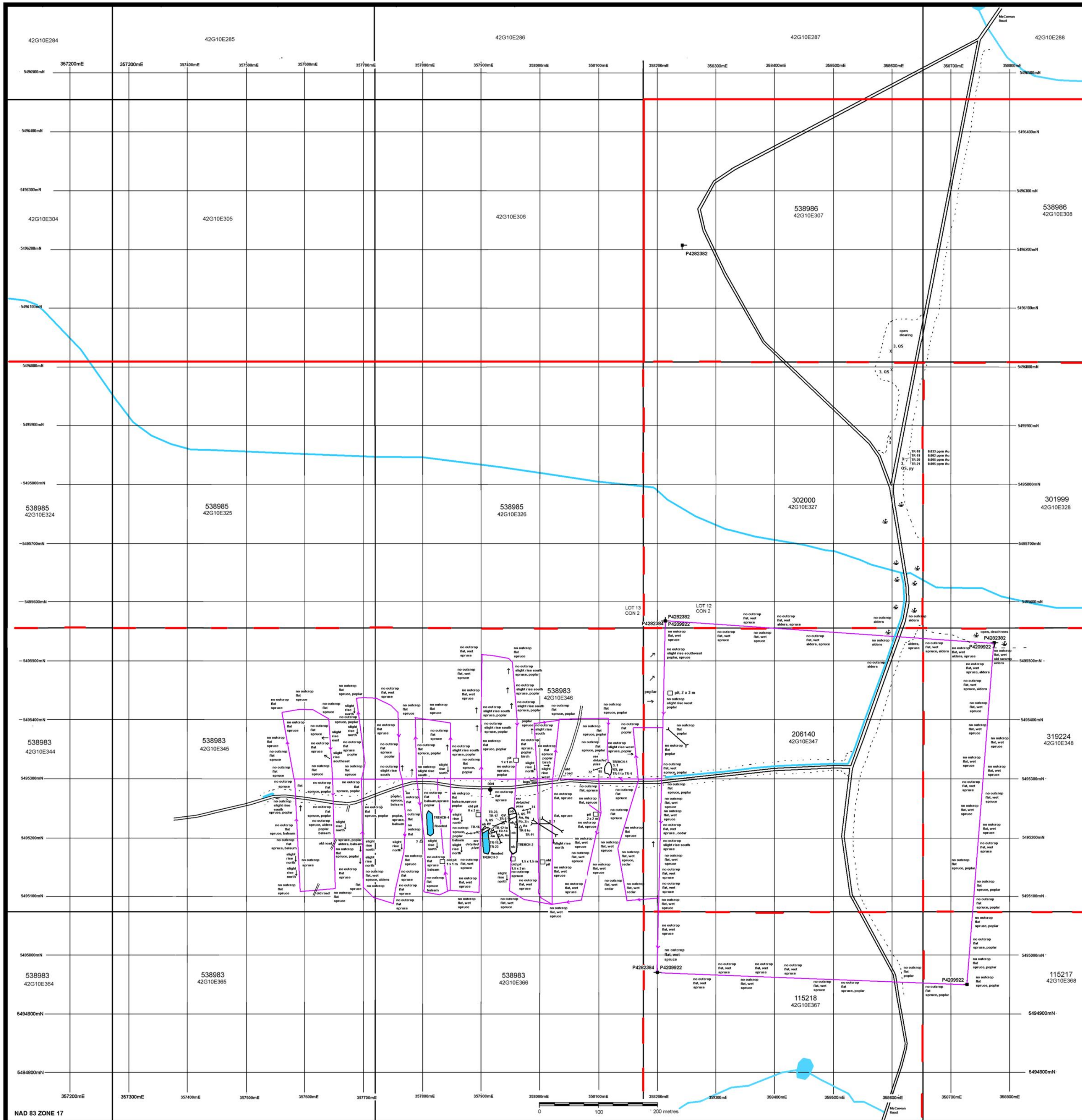
PROJECT: Robert Dillman

ATTENTION TO: Robert Dillman, J. Renaud

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Ag	MIN-200-12020		ICP/OES
Al	MIN-200-12020		ICP/OES
As	MIN-200-12020		ICP/OES
B	MIN-200-12020		ICP/OES
Ba	MIN-200-12020		ICP/OES
Be	MIN-200-12020		ICP/OES
Bi	MIN-200-12020		ICP/OES
Ca	MIN-200-12020		ICP/OES
Cd	MIN-200-12020		ICP/OES
Ce	MIN-200-12020		ICP/OES
Co	MIN-200-12020		ICP/OES
Cr	MIN-200-12020		ICP/OES
Cu	MIN-200-12020		ICP/OES
Fe	MIN-200-12020		ICP/OES
Ga	MIN-200-12020		ICP/OES
Hg	MIN-200-12020		ICP/OES
In	MIN-200-12020		ICP/OES
K	MIN-200-12020		ICP/OES
La	MIN-200-12020		ICP/OES
Li	MIN-200-12020		ICP/OES
Mg	MIN-200-12020		ICP/OES
Mn	MIN-200-12020		ICP/OES
Mo	MIN-200-12020		ICP/OES
Na	MIN-200-12020		ICP/OES
Ni	MIN-200-12020		ICP/OES
P	MIN-200-12020		ICP/OES
Pb	MIN-200-12020		ICP/OES
Rb	MIN-200-12020		ICP/OES
S	MIN-200-12020		ICP/OES
Sb	MIN-200-12020		ICP/OES
Sc	MIN-200-12020		ICP/OES
Se	MIN-200-12020		ICP/OES
Sn	MIN-200-12020		ICP/OES
Sr	MIN-200-12020		ICP/OES
Ta	MIN-200-12020		ICP/OES
Te	MIN-200-12020		ICP/OES
Th	MIN-200-12020		ICP/OES
Ti	MIN-200-12020		ICP/OES
Tl	MIN-200-12020		ICP/OES
U	MIN-200-12020		ICP/OES
V	MIN-200-12020		ICP/OES
W	MIN-200-12020		ICP/OES
Y	MIN-200-12020		ICP/OES
Zn	MIN-200-12020		ICP/OES
Zr	MIN-200-12020		ICP/OES
As-OL	MIN-200-12002/12020		ICP/OES
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES



LEGEND

- 6** Intrusive Porphyry
- 3** Metasedimentary Rock Greywacke
- 1** Mafic Metavolcanic Rock Mafic Flow
- QS** Quartz stringers
- QV** Quartz Vein
- py** pyrite
- As** arsenopyrite
- Au** gold
- Ag** silver
- Pb** galena
- Zn** sphalerite
- foliation
- pit
- slit trench
- overburden trench
- drainage
- edge of vegetation
- swamp
- traverse line
- claim cell boundary
- property boundary
- old claim post

GEOLOGY MAP

MC'COWAN PROPERTY

J3 EXPLORATIONS

MC'COWAN TWP., ONTARIO

SURVEY DATE: SEPT 2017	SCALE: 1: 2500
MAP DATE: DEC 2018	DRAWN BY: RJD
SURVEY BY: JR	REVISED: