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Ontario

REPORT ON WARING CREEK CLAIMS, FOR ASSESMENT CREDITS

ANGLESEA TOWNSHIP, GRIMSTHORPE TOWNSHIP, LENNOX & ADDINGTON COUNTY,

ONTARIO

By Robert Waring
February, 22, 2017

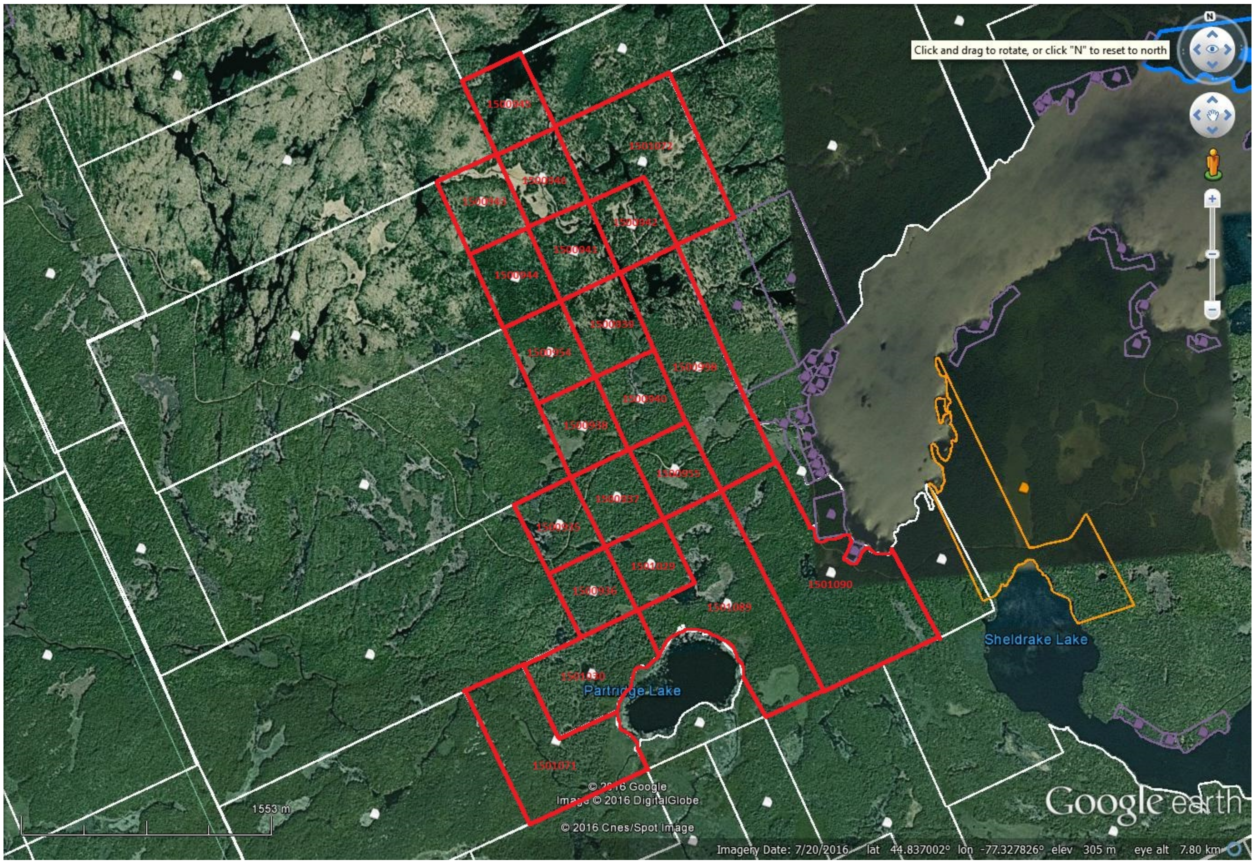
Covering dates: December, 17, 2014
To December, 02, 2016

Robert Waring

A

REGIONAL MAP

B



ASSESMENT/PERMIT AREA MAP

Robert Waring

CONTENTS

ATTACHMENTS:

INTRODUCTION

The Waring Creek Project (WCP as it will be written) lies in the Canniff Complex which is located in the Grenville structural province of Southern Ontario. Research and prospecting by the writer in 2015/2016 revealed multiple gold bearing quartz carbonate veins. The gold is associated within lower order structures in relation to the 1st order Partridge Creek Shear Zone (PCSZ as it will be written). The WCP is situated on the 17km long PCSZ structure; composed of a shear zone hosting ophiolite fragment bestrode by mafic plutons with a clear history of displaying the “fault-valve” model of gold deposition.

This assessment report covers the 2015/2016 research and prospecting work done on 9 of the 75 unpatented mining claims making up the WCP. The WCP consists of an area of close to 50 square km. Focus of the project is on the 2nd and 3rd order structures related to the PCSZ as multiple auriferous quartz carbonate veins produced by the high-angle reverse faults. Prospecting and research was carried out from December 15 2014 to December 02 2016 by the writer. A stripping program and geological assessment was completed in September 2016 which was funded by an OEC grant of $10,000, in return for a 0.5% NSR. The WCP started as a continuation of geologist H. Dowhaluk, B.A., G.G.A.C. who worked on the area some 25 years earlier. The claims were chosen in part due to reliable access, previous high gold assays and optical chatoyant anomalies in Smokey Quartz.

PROPERTY, LOCATION, ACCESS

The Grimsthorpe/Anglesea area lies 200 km north east of Toronto, Ontario in the County of Lennox and Addington. 75 unpatented mining claims were recorded between Dec 2014 & Jan 2016 by Robert Waring. They are held 75% by the writer, Robert Waring whose address is 209 Dutchmans Way, Ottawa, ON K2J 5W5 and 25% by Micheline Waring whose address is 389 Waterloo Drive, Kingston, ON K7M 8K7. The subdivided claims were mapstaked through MNDM’s claimaps and are located on crown land. The WCP area is further described as follows.

There is easy initial access to the WCP by vehicle. The claims are situated in the western quadrant of Anglesea Township and the south eastern quadrant of Grimsthorpe Township. Townships are both located in the County of Lennox and Addington. There is access to the northern section 12 months of the year via Hughes Landing road (logging road). This road goes west from the north end of the village of Cloyne on Highway 41 and proceeds westwards across Grimsthorpe Township and on to Gilmour near Highway 62. Old logging roads and trails provide additional access. There is limited access to the Southern portions via the hydro access road that runs between highway 41 and highway 62. Additional mapping and all subdivisions information can be located on the MDMN website claimaps. http://www.mndm.gov.on.ca/en/mines-and-minerals/applications/claimaps

GENERAL GEOLOGY

The claim block is roughly 330 meters above sea level. The terrain is hummocky, with relief generally less than 30 meters. There are numerous ponds with connecting creeks; a majority run east west cross cutting the PCSZ. The largest cross cutting feature is the Partridge Creek, which runs through the central part of the PCSZ. The forest is mixed with both coniferous and deciduous trees; an active logging program was carried out in 2015-2016 on claims 1500936, 1500935 and 1501030.

Gravelly to sandy glacial till of Pleistocene age covers the entire claim. This consists of ground moraine that varies in thickness from a few centimeters to well over a meter. Since both the direction of glaciation and the strike of formations are south, there is a tendency to north-south crag-and-tail drumlinoid ridges. Basaltic metavolcanics, gabbroic and gabbro form the bulk of the rocks along the PCSZ (Figure 3).

The basaltic metavolcanics are an intrusive contact, composed of primarily mafic volcaniclastic and minor metavolcanic which have been dated at >1275Ma. They are located on the western portion of the PCSZ and are mostly fine-grained, massive to schistose and black in colour. It has been mostly metamorphosed to fine-grained hornblende and white plagioclase. The prevailing schistocity is north-northeast.

The gabbroic rocks are an unconformity dated at >1275Ma they are protomylonitic, medium to coarse grained, greenish gabbro. Massive to schistose, brown-red talcose rocks are found near the southern end of the PCSZ. The talc is in association to the gabbroic rocks but is rarely seen in direct contact. Both are found on the western portion of the PCSZ.

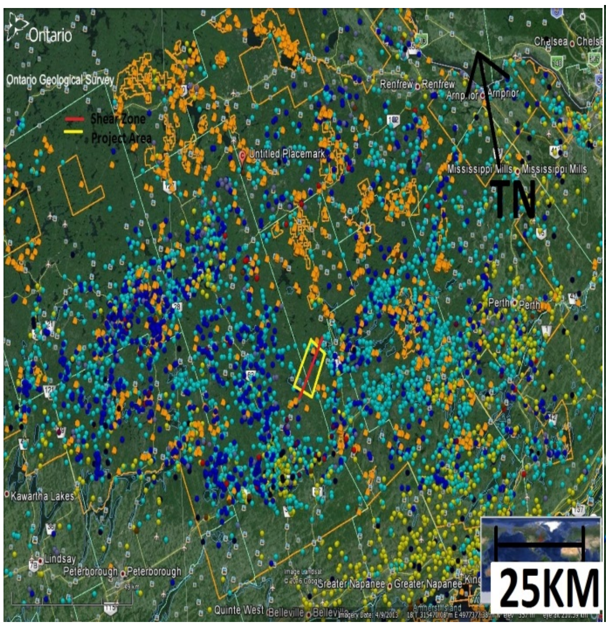
Gabbro on the eastern portion of the PCSZ is an intrusive contact known as the Killer Creek Gabbro. Composition of the Killer Creek Gabbro ranges from ultramafic to anorthositic. The actual age of the Killer Creek Gabbro is unknown; it is older than the Elzevir Tonalite that intruded the Killer Creek Gabbro, which is dated at 1270Ma. On the eastern edge of the Killer Creek Gabbro there is preserved igneous layering with associated Pt, Cr and Ni occurrences. This igneous layering in itself may make an interesting target for economic mineralization.

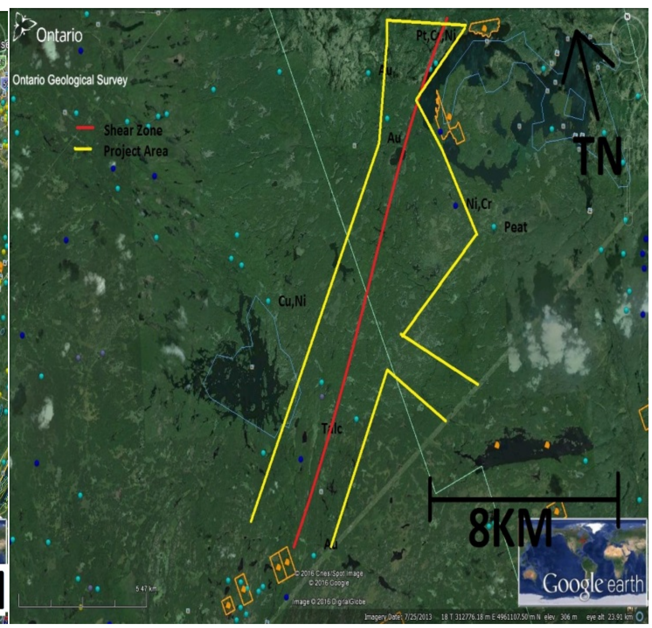
HISTORY AND PREVIOUS WORK

One of the most interesting aspects of the WCP is the almost complete lack of previous exploration on the majority of the PCSZ. The PCSZ is situated in the northern portion of the Eastern Ontario Gold Belt. One of the several gold occurrences geologically relevant to the WCP is the Cooper Gold prospect. The Cooper Gold prospect is located on the heavily explored southern half of the Canniff Ophiolite fragment. The Cooper Gold property lies at the contact between Canniff Ophiolite fragment and the Elzevir Granite. The prospect is from a gold-bearing quartz vein, up to 11 ft wide; similar in genetics to the WCP targets. It’s hosted in mica schist and occurs at the center of a steeply dipping deformation zone. Ore minerology consists of free gold which is associated with galena, sphalerite, chalcopyrite, pyrite and silver.

MNDM shows only a few mineral occurrences in the WCP area. The writer believes the lack of exploration is due to a shortage of easy access and heavy overburden in comparison to other potential areas of gold mineralization in the region. Mineral occurrences acknowledged by the MNDM on the WCP area include Gold, Platinum, Chromium, Nickel, Iron and Talc. (Figure 1) shows a comparison of the quantity of mineral occurrences in the greater gold belt area compared to the WCP.

In 1991 geologists R.M. Easton and F.D. Ford mapped the Grimsthorpe area including the PCSZ as part of a larger Ontario Geological Survey, OFR-5894. In 1989 the Killer Creek project was carried out by H. Dowhaluk under an OPAP grant during which time H. Dowhaluk assayed a small 4" flat-laying quartz vein which yielded an assay of 0.674 Oz/t Au. H. Dowhaluk then staked 12 claims known as the Killer Creek claims. H. Dowhaluk spent the next two years 1989 to 1991 conducting exploration. Almost 27 kilometers of line cutting at 100m intervals were achieved, VLF electromagnetic and magnetometer surveys where carried out with what looked at the time to be somewhat flat results. Although many interesting features where located H. Dowhaluk was unable to find any economic targets and so the claims were abandoned. To the writer's knowledge there are over 8km in the central portion and 3km in the Northern portion of the PSCZ that have had nothing more than a skim over.





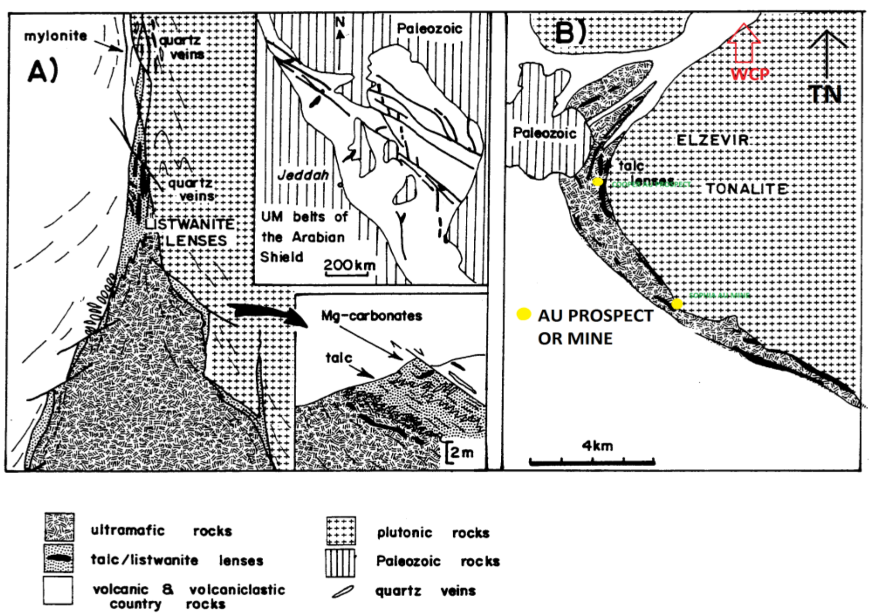
(Figure 1)Eastern Ontario gold belt mineral occurrences. **Mineral occurrences on the WCP area**.

R.M. Easton and F.D. Ford-Is the Canniff Complex an Ophiolite?

(The following is near verbatim from R.M. Easton and F.D. Ford OFR 5894, 1994). Brown et al. (1975) suggested that the Kaladar Complex may represent an ophiolite complex preserved with the Grenville Orogen. Field and geochemical observations reported herein suggest that the Canniff Complex is indeed older than the classical Grenville Super group and is geochemically similar to oceanic crust. The association of pillowed tholeiitic basalts, massive tholeiitic basalts (possibly including dykes), and gabbroic to ultramafic plutonic rocks within the Canniff Complex is consistent with interpretation of the Canniff Complex as a partially preserved ophiolite fragment.

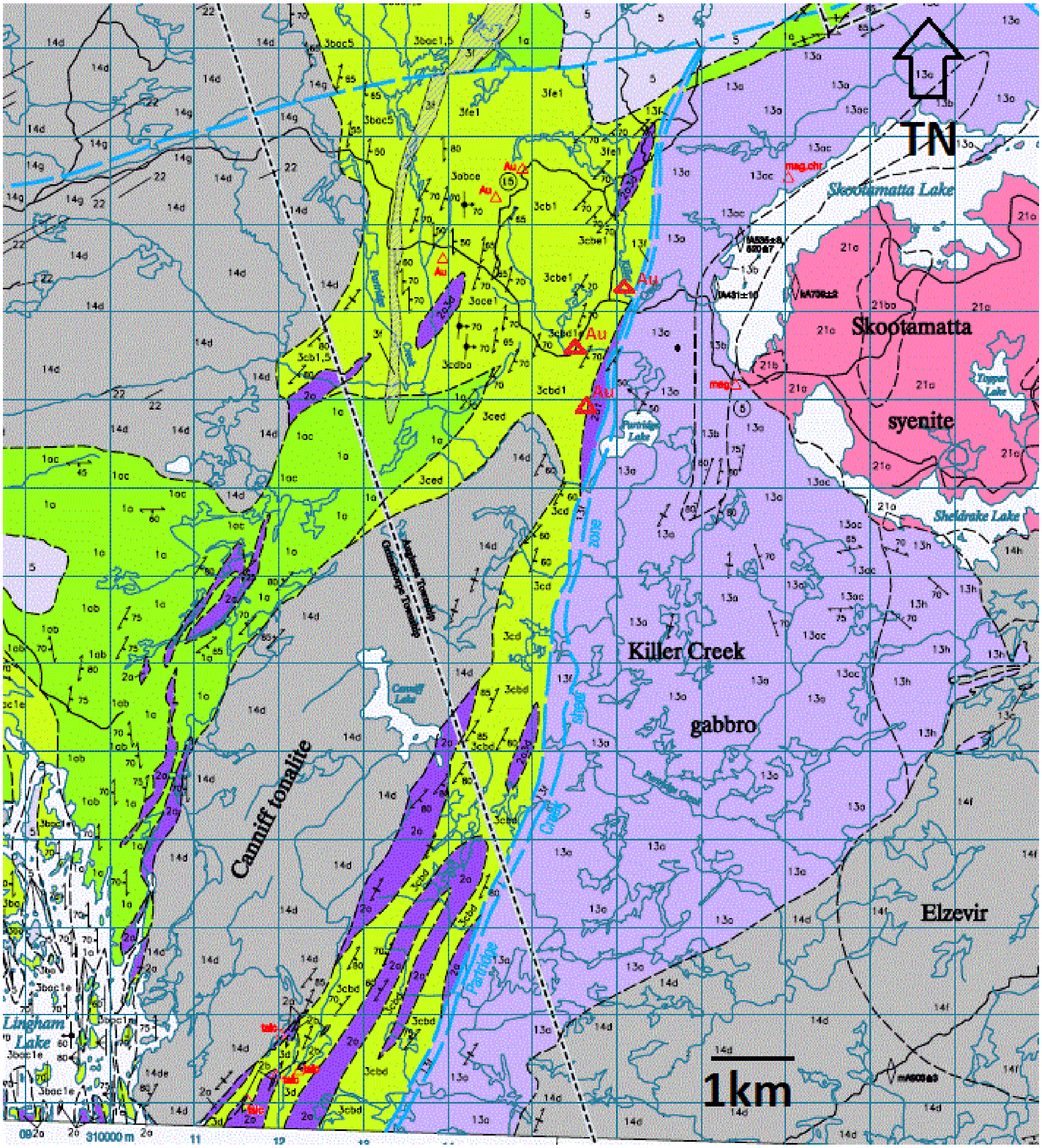
The overall setting of the Canniff Complex and its related talc bodies is similar to Late Proterozoic ophiolites and listwanites found within the Pan African belts of the Arabian Shield (Figure 2). The Arabian Shield consists of metasedimentary and metavolcanic sequences, with diorite and granodiorite intrusions, less than 1,000 Ma in age that were weakly folded and intruded by granites during the Pan-African Orogeny in a greenshist facies metamorphic regime at ca. 680-635 Ma (Buisson and Leblanc 1986). The supracrustal succession is interpreted to represent an accreted terrain consisting of several island arcs. Three ultramafic-mafic belts are present in the Shield (Figure 2), but typical Phanerozoic ophiolite complexes have only been recognized in the western belt. The other belts contain incomplete ophiolite sequences. A model of autochthonous ophiolite emplacement along listric faults into the island-arce sequence has been proposed (cf. Buisson and Leblanc 1986) Associated with the mafic-ultramafic belts are zones of listwanites (carbonatized ultramafics, including talc-carbonate lenses), locally auriferous. As illustrated in (Figure 2), the scale and general settings of the ultramafic belts and listwanites in the Arabian Shield resembles that observed in the Grimsthorpe Domain. Important similarities with the Arabian Shield are:

-occurrence of talcose rocks and ultramafic rocks in high strain zones (Figure 3)
-tectonic contacts of talcose rocks and ultramafic rocks in high-strain zones
-ultramafic rocks are not coeval with adjacent country rocks
-association with granodiorite intrusions
-local association of gold vein mineralization with the ultramafic belts and carbonate alteration.
These similarities suggest that the listwanite model for gold mineralization (Buisson and Leblanc 1986; Nixon and Hammack 1991) may be applicable to this region. Several gold occurrences associated with carbonization of mafic rocks are known in the Elzevir area (e.g. Barry occurrence and Sophia Mine, Malczak et al. 1985) and may represent listwanite-type gold mineralization.



(Figure 2) Sketch illustrating listwanite model for gold occurrence. Compare figures a and b.

A) **Sketch showing the distribution of listwanites in the Arabian Shield (after Buisson and Leblanc 1986)**
B) **Sketch showing distribution of talc bodies, Canniff Complex rocks, and gold occurrences in the Elzevir area (after LeBaron and van Haaften 1990, Malzak et al. 1985)**



(Figure 3) Map P3439 displaying the majority of geological features on the WCP
1a-e(Green-Yellow) Tholeiitic Mafic and Felsic Metavolcanic rocks
2a-b(purple) Protomylonitic, medium to coarse grained, greenish gabbro-Talcose rocks
3a-f(Yellow-Green) Mafic to intermediate Volcaniclastic and Minor Metavolcanic Rocks

PARTRIDGE CREEK SHEAR ZONE HIGH ANGLE REVERSE FAULT

There is significant indication that the PCSZ is a high-angle reverse fault displaying the well-known "fault-valve" characteristics. The following is a list of observations and genetic similarities between the PCSZ and current gold deposit related high-angle reverse fault models.

-**TECTONIC SETTINGS:** Gold deposits are known to manifest in favorable host rock like an ophiolite with mafic intrusions as found in the PCSZ.

-GEOLOGICAL SETTING/VEIN STRUCTURE: Exploration to date indicates three distinct types of faults with gold enrichment related to the PCSZ. Mineralized quartz veins running subhorizontal to the PCSZ with enriched Au-Bi-Te (QV0301 and QV0302). Flat lying to sub-vertical gold carrying thrust fault related mineralized quartz veins (QV9363 and QV9352). Gold enriched shear displaying mineralized quartz splay faults (QV9382 and QV9401).

The fault-valve model consists of subhorizontal extensional fracture veins referred to as flats. Flats are hydraulic extensional fractures that have opened vertically in response to a thrusting force. These fractures form when fluid pressure exceeds the tensile strength of the rock. Quartz veins in the fault-valve model are characterized by parallel banding structures and brecciation. These characteristics indicate multiple episodes of shearing, fracturing and rapid pressure fluctuation. All quartz veins show heavy stress fracturing.

MNDM District Geologist for Southeastern Ontario Peter LeBaron, P.Eng mentioned the following after his site visit on December 4th 2015. "The strike of the gravel pit vein (9352) is about 110 degrees. The drainage pattern in the area shows several creeks with the same general direction, about 100 degrees – including Partridge Creek – indicating that there may be a series of breaks cross-cutting the main Partridge Creek shear zone."

During the MNDM site visit in 2015 P. LeBaron identified stockworks of fine (mm scale) quartz-carbonate veins near (9402) and volcaniclastic outcrops with possible additional brecciation due to the proximity of the PCSZ near (9371). ***(R.M. Easton and F.D. Ford OFR 5894) "***The Partridge Creek shear zone deforms volcanoclastic and mafic plutonic rocks, and in itself may make an interesting exploration target for gold".

- **AGE OF MINERALIZATION:** Deposits to date are from the Archean age when associated with the Canadian Shield. Both the Canniff Complex and the Killer Creek Gabbro are of an unknown age >1275Ma. **(*R.M. Easton and F.D. Ford OFR 5894)*** "The Killer Creek body is clearly a unique intrusion, perhaps one of the oldest in the Central Metasedimentary Belt".

-KNOWN ORE MINERALOGY OF FAULT VALVE DEPOSITS: Native gold, pyrite, arsenopyrite, *galena, sphalerite, chalcopyrite, pyrrhotite, tellurides, scheelite, bismuth, cosalite, tetrahedrite, stibnite, molybdenite, gersdorffite (NiAsS), bismuthimite (Bi2S2), tetradymite (Bi2Te2S)*. (Table 1) is a partial summary of positive Au assayed veins. Indicator minerals are consistent with fault-valve models. Bi and Te are known scavengers of Au not frequently observed in abundance within hydrothermal fluid deposits and may have assisted in further concentrating the gold deposits as per the bismuth melt model.

Symbol	Au	As	Pb	Zn	Cu	S	Te	Bi	Fe	Ag	Cr	Ni
Detection	0.02 g/t	1 ppm	2 ppm	2 ppm	1 ppm	%	1 ppm	2 ppm	%	1 ppm	1 ppm	1 ppm
Method	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
0301	1.38g/t	38	7	16	8390	7.02	7	4300	10.4	3.4	12	414
0302	0.70g/t	17	6	9	144	0.04	15	>10000	3.84	5.0	353	5
9382	13.3g/t	9	<2	6	602	5.05	N/A	N/A	7.82	0.8	N/A	223
9352	66.6g/t	<2	<2	5	162	0.07	N/A	>1000	3.53	1.9	N/A	27
9367	0.28g/t											
93527	1.08g/t											
9357	0.21g/t											
9365	0.23g/t											
9362	0.23g/t											

(Table 1) Partial assay list for minerology comparisons/indicators

-WEATHERING: Many areas have distinctive orange-brown limonite on rocks and in the soil due to the oxidation of Fe-Mg carbonates. Large amounts of angular float are located throughout the overburden columns above the quartz veins. As the fault-valve model indicates the quartz veins underwent tremendous amounts of stress during repetitive fault-valve ruptures and the resulting forces. Since the last ice age roots have grabbed sections of the fractured veins and lifted them to the surface.

-TYPICAL GRADE AND TONNAGE: Ophiolite related deposits are a major source of the world's gold production and account for approximately a quarter of Canada's output. They are the most prolific gold source after the ores of the Witwatersrand basin. Individual deposits average 30 000 t with grades of 16 g/t Au and 2.5 g/t Ag (Berger, 1986) and may be as large as 40 Mt. Many major producers in the Canadian Shield range from 1 to 6 Mt at grades of 7 g/t Au (Thorpe and Franklin, 1984). The largest gold-quartz vein deposit in British Columbia is the Bralorne-Pioneer which produced in excess of 117 800 kilograms of Au from ore with an average grade of 9.3 g/t.

<u>ASSESMENT WORK</u>

Research combined with "simple prospecting" for float quartz and anomalies as recommended in H. Dowhaluk's killer creek report was carried out between December 17 2014 and Dec 02 2016 by the writer (Table 2). Simple prospecting consisted of researching and locating targets off site, on site a spiral grind pattern was walked while probing the overburden with a 36" crowbar. Pure quartz from veins makes a very distinct sound when scratched by steel. All target locations where recorded using a Garmin Oregon GPS. In total 87 days of onsite prospecting and a significant sum of research was conducted as of Dec 02 2016. The main tools employed by the writer are H. Dowhaluk's Killer Creek geological reports, MNDM's vast online resources and a 36" wrecking bar. On site prospecting was recorded in a Deakin geological 540F note book. Due to the depth of overburden a good portion of targets could not be properly checked. Partial hand stripping of located targets in most cases gave a clear sense of size and characteristics of the structures. A week long stripping program was conducted in September 2016 with a 5 ton excavator to remove overburden. Geologist Dr H. Poulsen's assessment report is based mostly on the findings (see attached assessment report). $10,000 of the cash costs where covered by a grant from the OEC in return for a 0.5% NSR(See: http://www.ontarioprospectors.com/oec/ for more information) . See also MNDM's resident geologist's reports for 2015-2016 site visits for further geological clarification. A total of 33 of the 141 target areas located were sampled and assayed for Au and pathfinder elements. Four sample areas resulted in whole rock analysis with >1g/t Au (as high as 66.6g/t Au) and five more areas showed >.2g/t Au(Table 1). Phase II of the project which is scheduled for early March 2017 will include further exposer of the Au bearing target areas by the writer excavating utilizing a Wajax Mark-3 high pressure water pump.

CONCLUSIONS AND RECOMMENDATIONS

Although the WCP is in its infancy, it points to high economic potential with low initial cost of exploration. With the mining sector in a general down turn and gold prices at a two month high and climbing, a large gold deposit stands especially appealing. Other economic considerations such as global location, infrastructure cost, and local skilled labour should also be taken into consideration.

More exposure of key target areas will help define the structures and their relationship to the PCSZ. The writer is currently in possession of a MNDM permit which allows for >100m^2 stripping and >3m^3 Pitting-Trenching. The permit is valid on 20 claims covering 34 claim units along the PCSZ.

REFERENCES

Dowhaluk, H. 1990. The Killer Creek Project. Anglesea Township, Lennox and Addington County, Ontario.

Dowhaluk, H. 1991. Assessment Work During 1991 on the H. Dowhaluk Killer Creek Claim Group, Anglesea Township,
Lennox and Addington County, Ontario. Assessment Report 31C14SW0010.

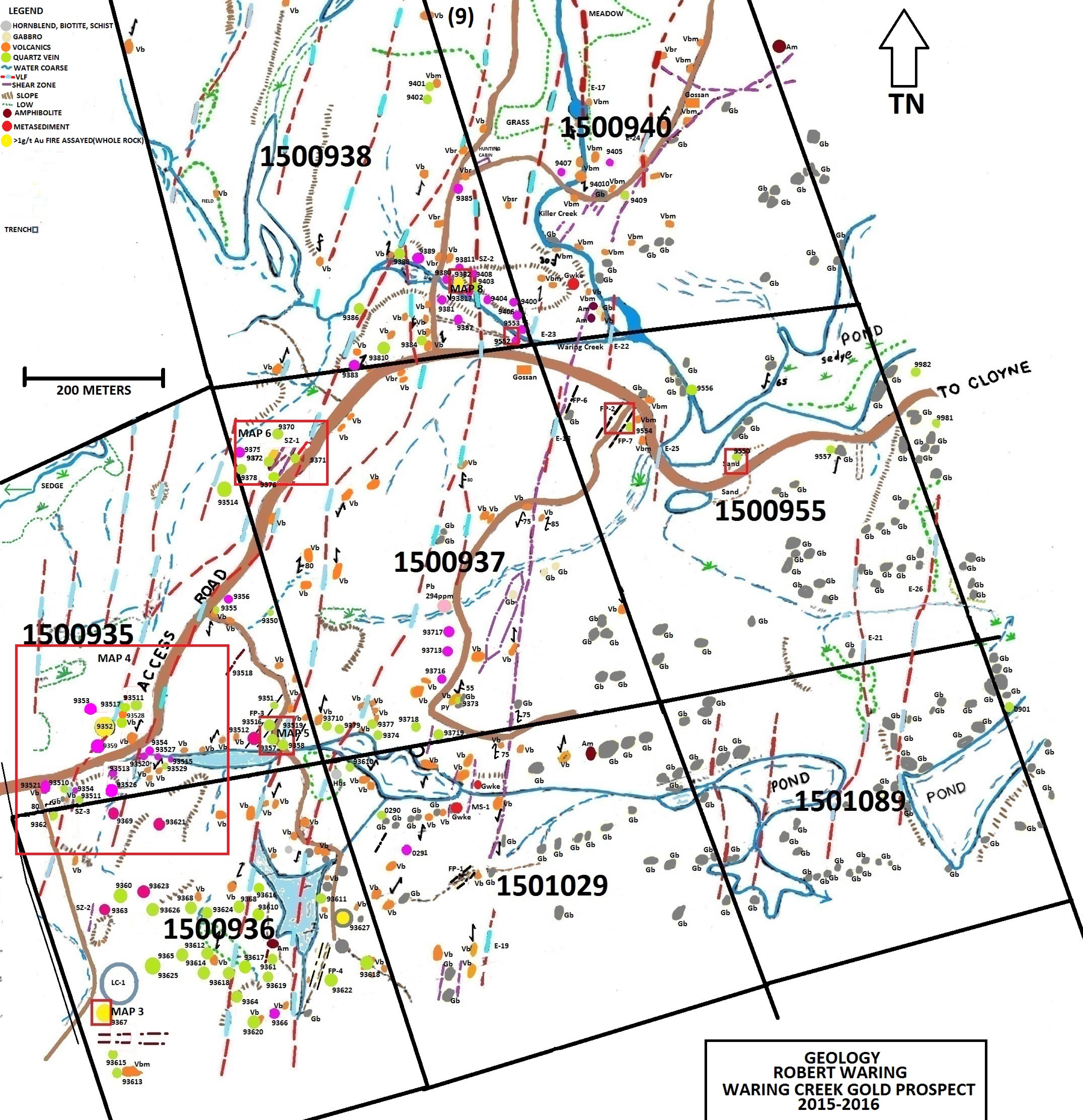
Assessment Report 31C14SW0003.2-Easton, R.M. and Ford, F.D. 1994. Geology of the Grimsthorpe area, Hastings and Lennox and Addington counties, Grenville Province; Ontario Geological Survey, Open File Report 5894, 153p.

Ash, Chris and Alldrick, Dani (1996): Au-quartz Veins, in Selected British Columbia Mineral Deposit Profiles, Volume 2 – Metallic Deposits, Lefebure, D.V. and Hõy, T, Editors, British Columbia Ministry of Employment and Investment, Open File 1996-13, pages 53-56.

https://**structuredatabase.wordpress.com**/high-angle-reverse-faults-the-fault-valve-model-2/

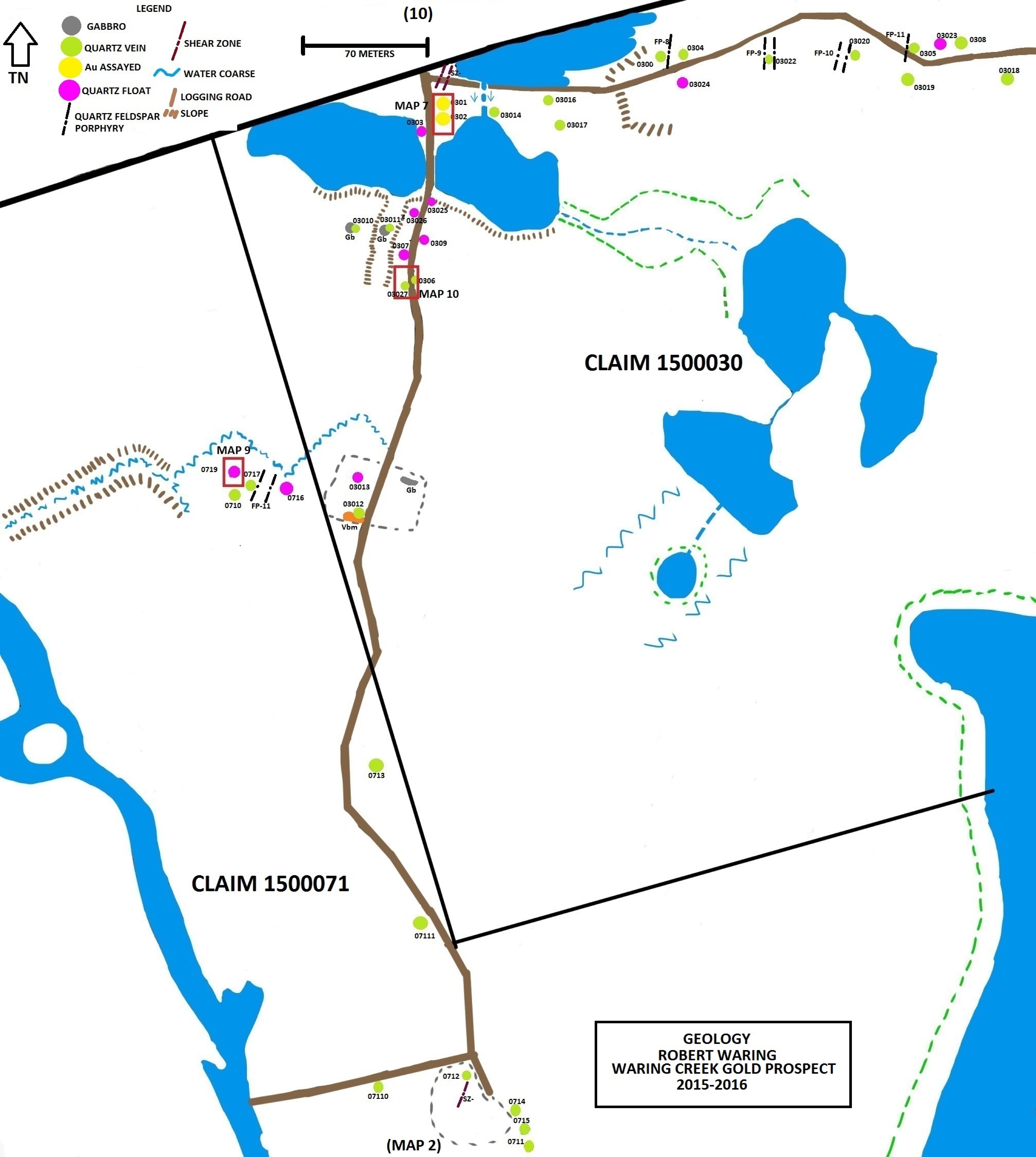
Louise, Corriveau and Thomas, Clark (2005) Introduction to the Grenville Province: a geological and mineral resources perspective derived from government and academic research initiatives, Published on the NRC Research Press Web site at http://cjes.nrc.ca on December 13, 2005.
http://cjes.geoscienceworld.org/content/42/10/1637.abstract

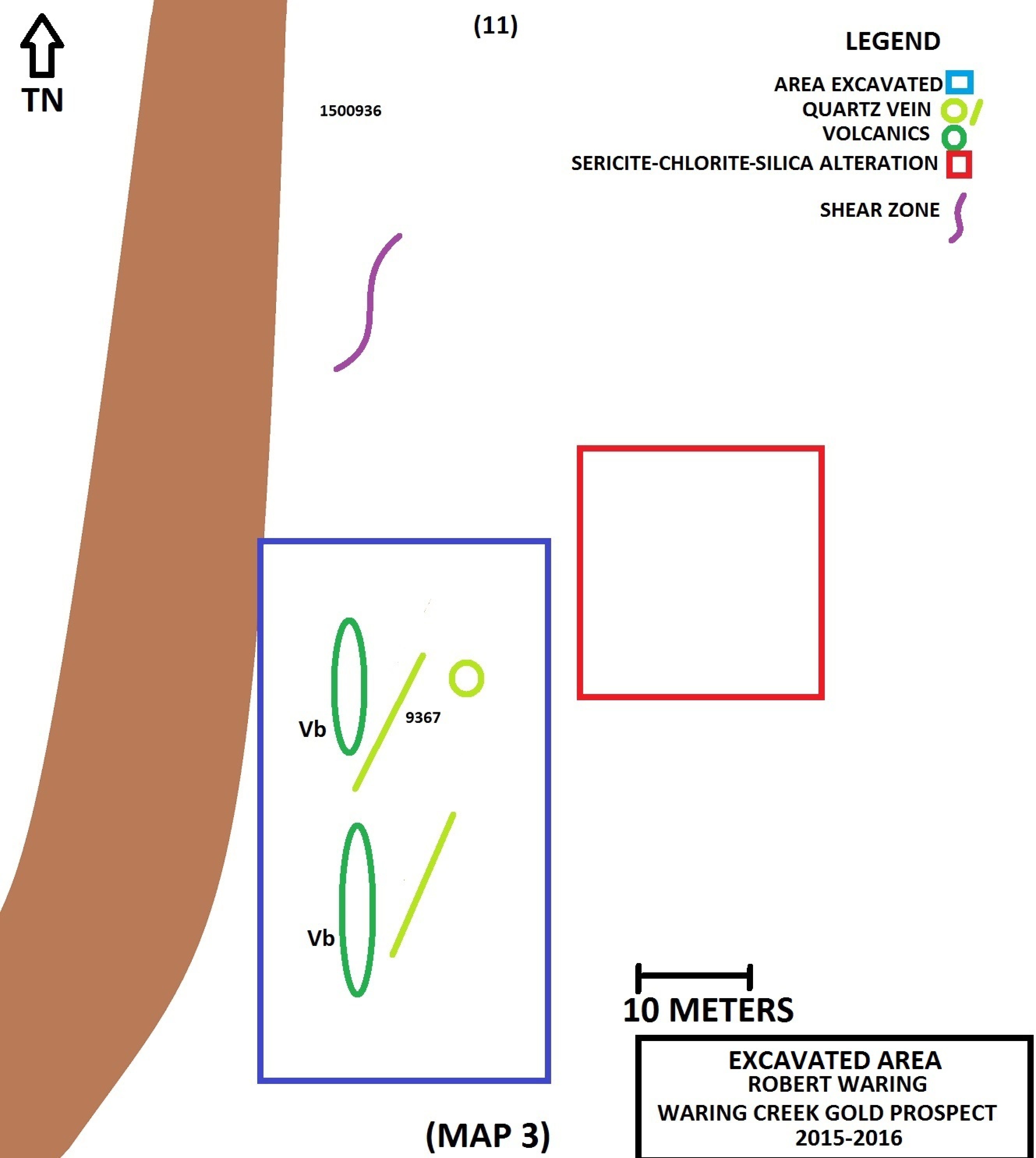
MNDM's Resident geologist's Peter LeBaron and Andre Tessier located in Tweed, Ontario. Much thanks for all the guidance and information they have been willing to share. Some maps and information will have come from either MNDM directly or indirectly.

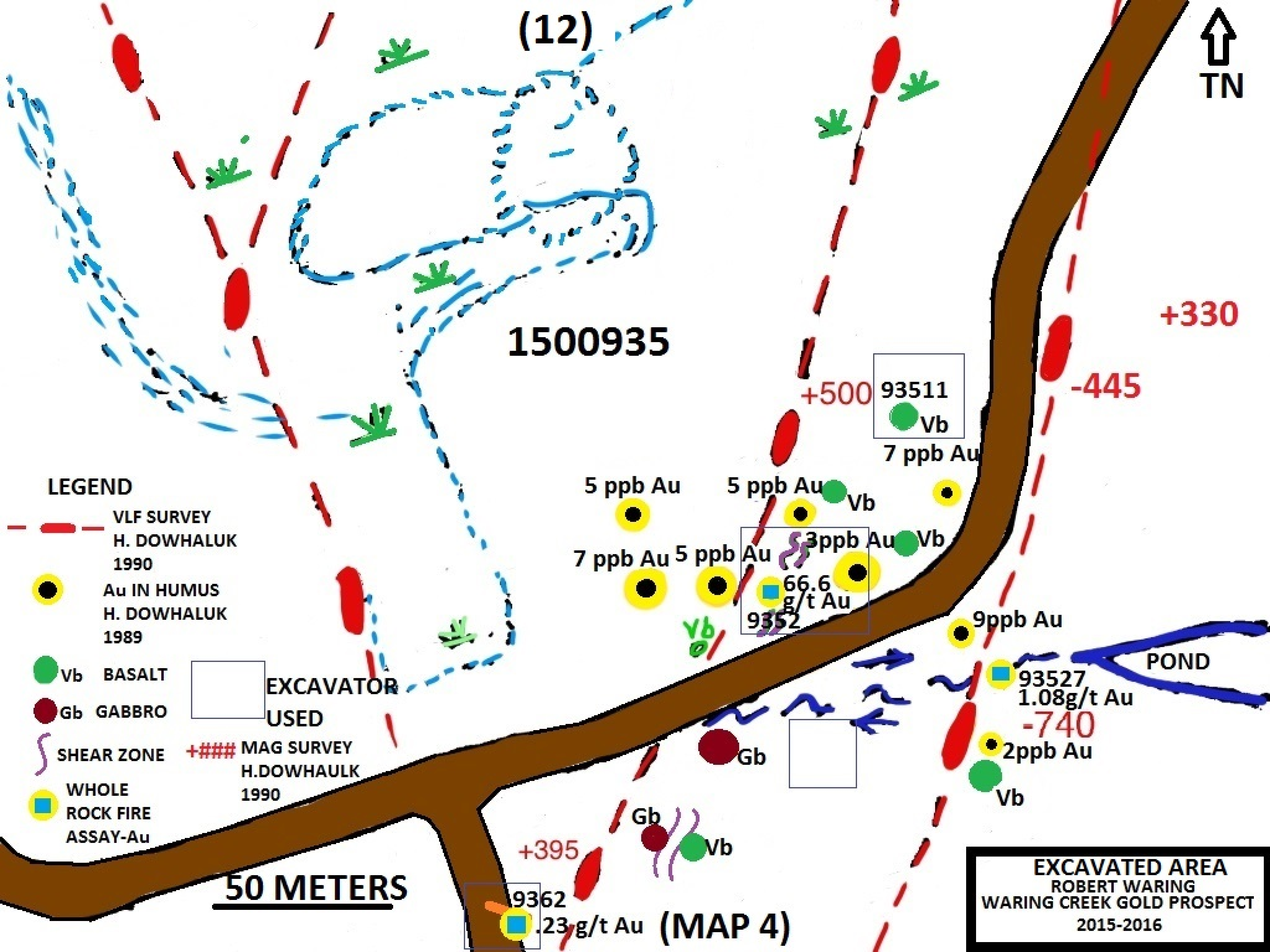


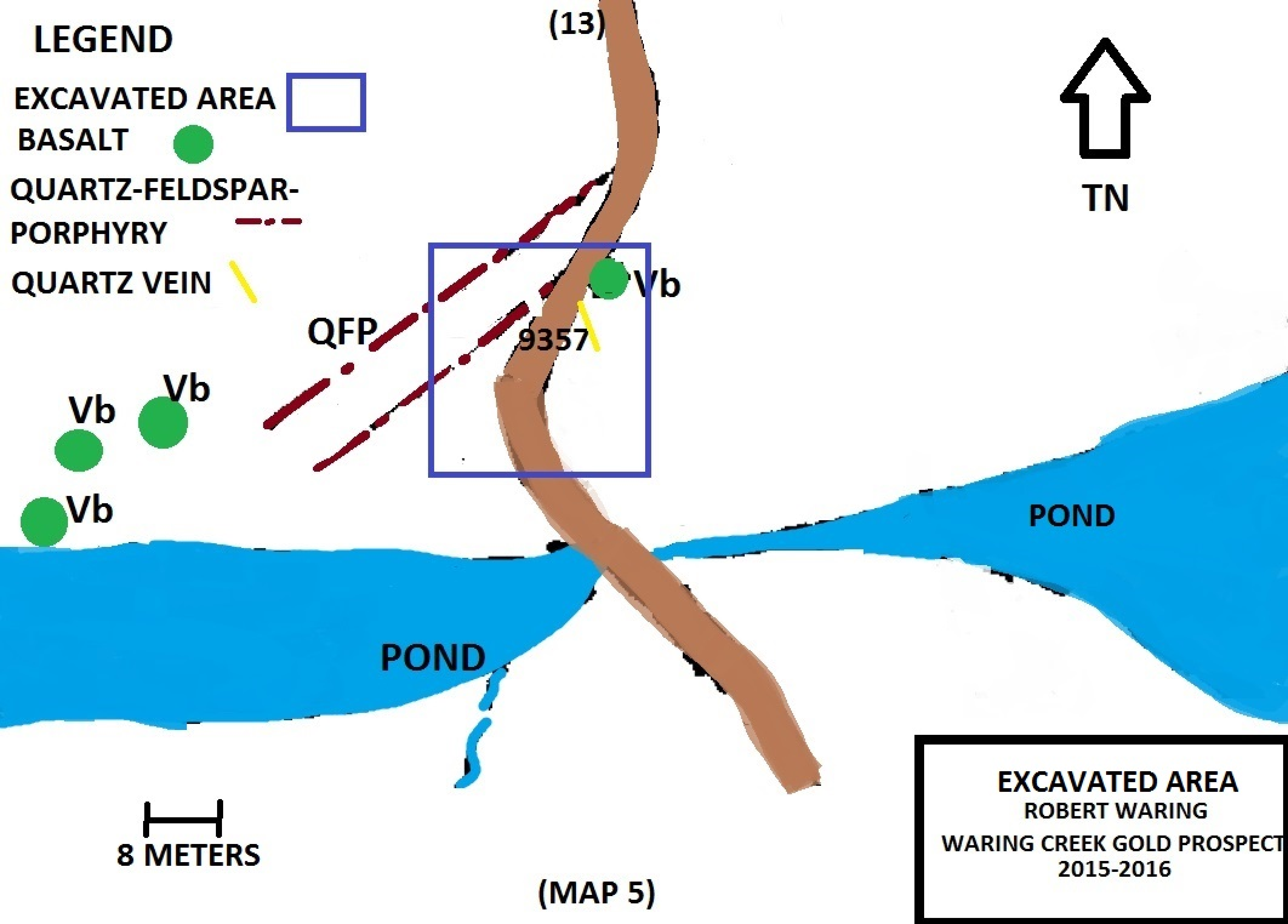
LEGEND
HORNBLEND, BIOTITE, SCHIST
GABBRO
VOLCANICS
QUARTZ VEIN
WATER COARSE
VLF
SHEAR ZONE
SLOPE
LOW
AMPHIBOLITE
METASEDIMENT
>1g/t Au FIRE ASSAYED(WHOLE ROCK)
TRENCH
200 METERS
TN
(9)
MEADOW
GRASS
HUNTING CABIN
FIELD
Killer Creek
Waring Creek
Gossan
SEDGE
POND
sedge
TO CLOYNE
ACCESS ROAD
Pb 294ppm
1500938
1500940
1500937
1500955
1500935
1500936
1501029
1501089
MAP 3
MAP 4
MAP 5
MAP 6
MAP 8
LC-1
GEOLOGY
ROBERT WARING
WARING CREEK GOLD PROSPECT
2015-2016

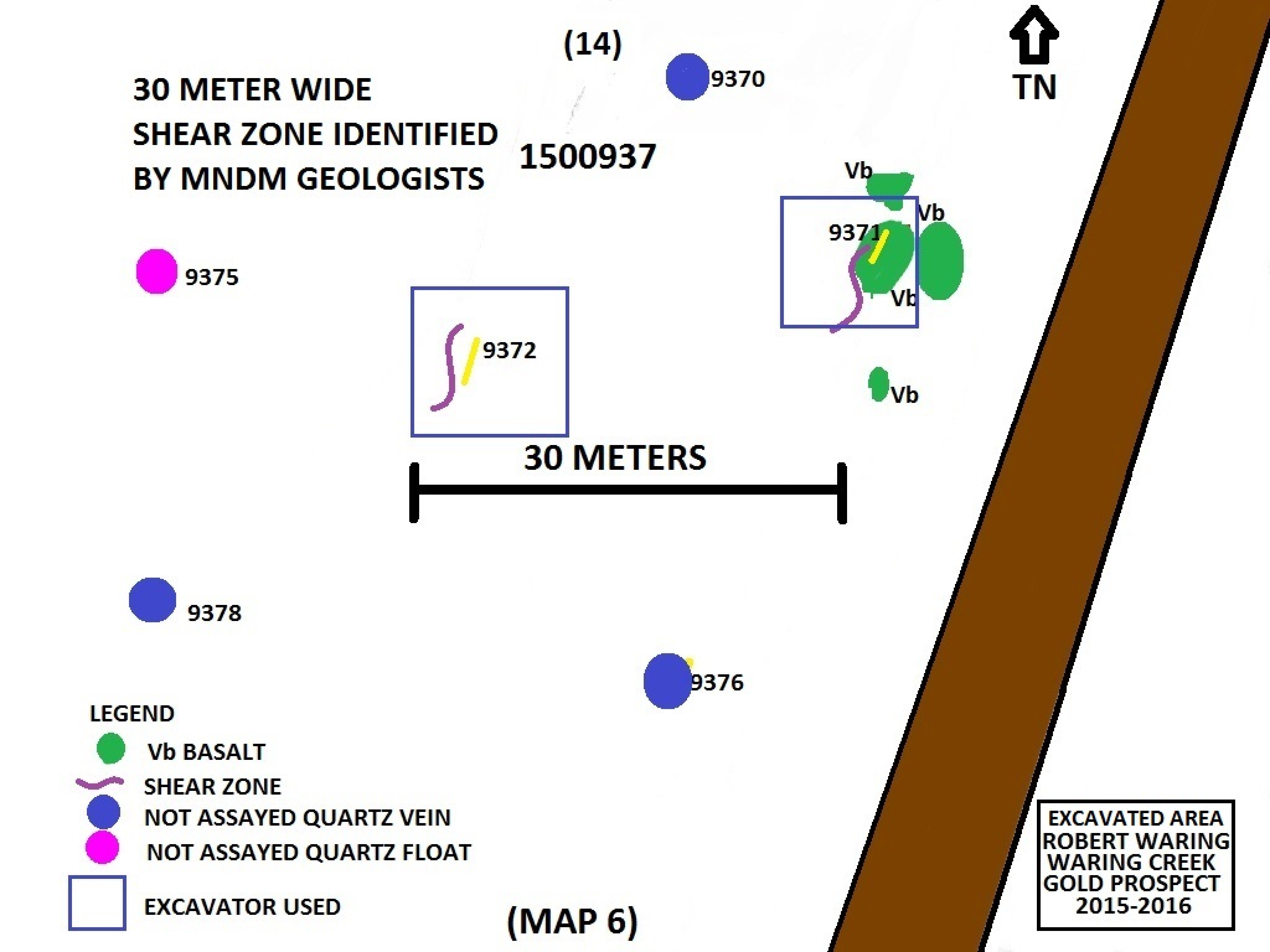
(MAP 1)


LEGEND
GABBRO
QUARTZ VEIN
Au ASSAYED
QUARTZ FLOAT
QUARTZ FELDSPAR PORPHYRY
SHEAR ZONE
WATER COARSE
LOGGING ROAD
SLOPE
TN
(10)
70 METERS
MAP 7
MAP 9
MAP 10
(MAP 2)
CLAIM 1500030
CLAIM 1500071
GEOLOGY
ROBERT WARING
WARING CREEK GOLD PROSPECT
2015-2016

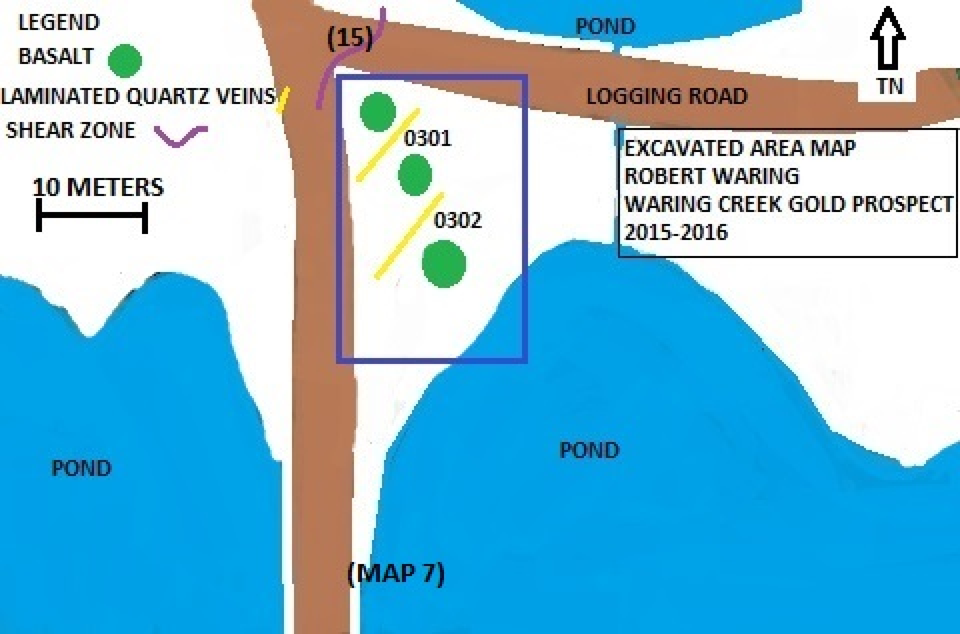

(11)
TN
LEGEND
AREA EXCAVATED
QUARTZ VEIN
VOLCANICS
SERICITE-CHLORITE-SILICA ALTERATION
SHEAR ZONE
1500936
Vb
9367
Vb
10 METERS
EXCAVATED AREA
ROBERT WARING
WARING CREEK GOLD PROSPECT
2015-2016
(MAP 3)

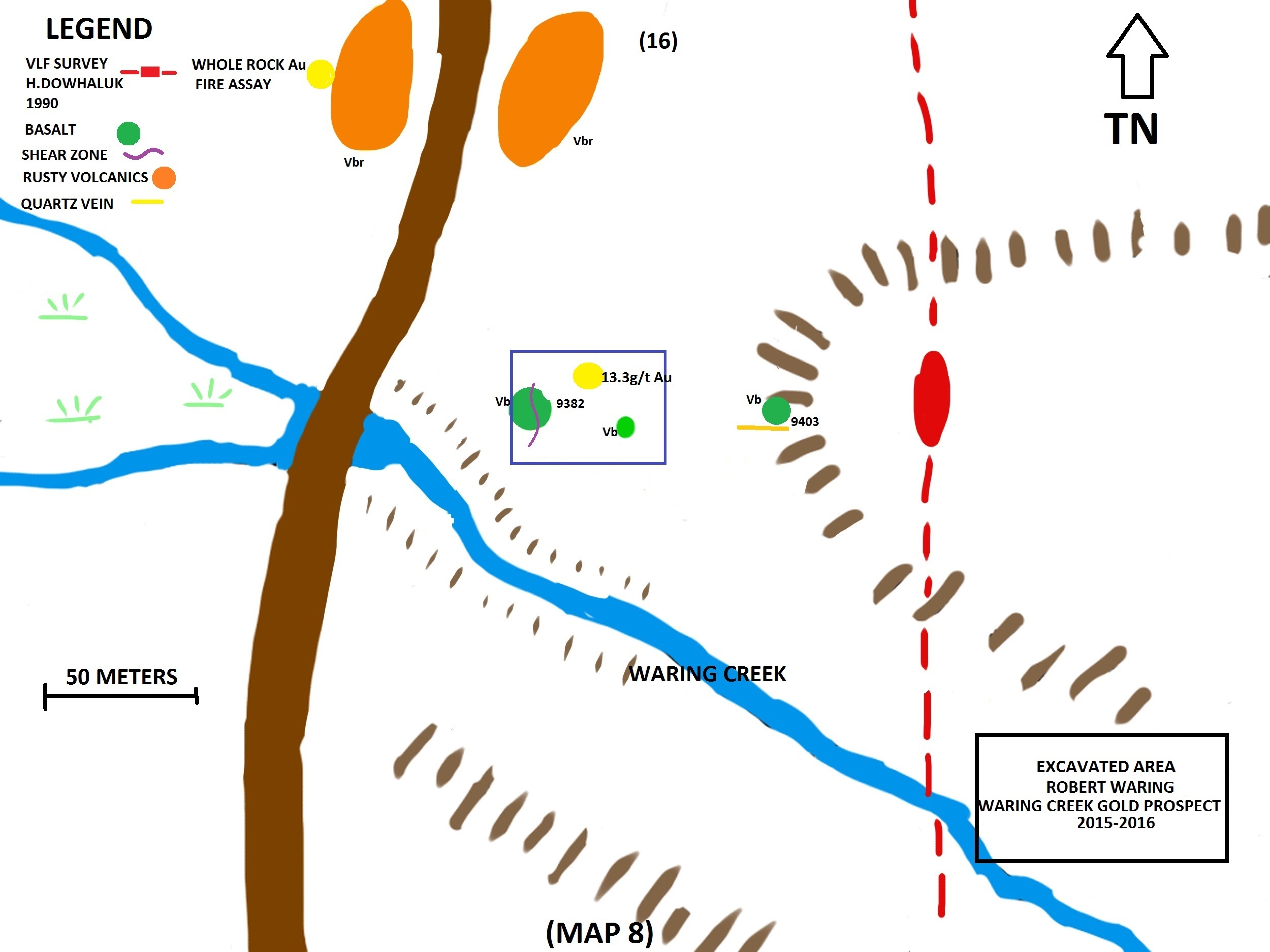

(12)
TN
1500935
+330
+500
93511
Vb
-445
7 ppb Au
5 ppb Au
5 ppb Au
Vb
3ppb Au
Vb
7 ppb Au
5 ppb Au
66.6
g/t Au
9352
Vb
9ppb Au
POND
93527
1.08g/t Au
-740
2ppb Au
Vb
Gb
Gb
Vb
+395
LEGEND
VLF SURVEY
H. DOWHALUK
1990
Au IN HUMUS
H. DOWHALUK
1989
Vb BASALT
Gb GABBRO
SHEAR ZONE
WHOLE
ROCK FIRE
ASSAY-Au
EXCAVATOR
USED
+#### MAG SURVEY
H.DOWHAULK
1990
50 METERS
9362
.23 g/t Au
(MAP 4)
EXCAVATED AREA
ROBERT WARING
WARING CREEK GOLD PROSPECT
2015-2016


LEGEND
EXCAVATED AREA
BASALT
QUARTZ-FELDSPAR-
PORPHYRY
QUARTZ VEIN
(13)
TN
QFP
Vb
Vb
Vb
Vb
9357
POND
POND
8 METERS
(MAP 5)
EXCAVATED AREA
ROBERT WARING
WARING CREEK GOLD PROSPECT
2015-2016

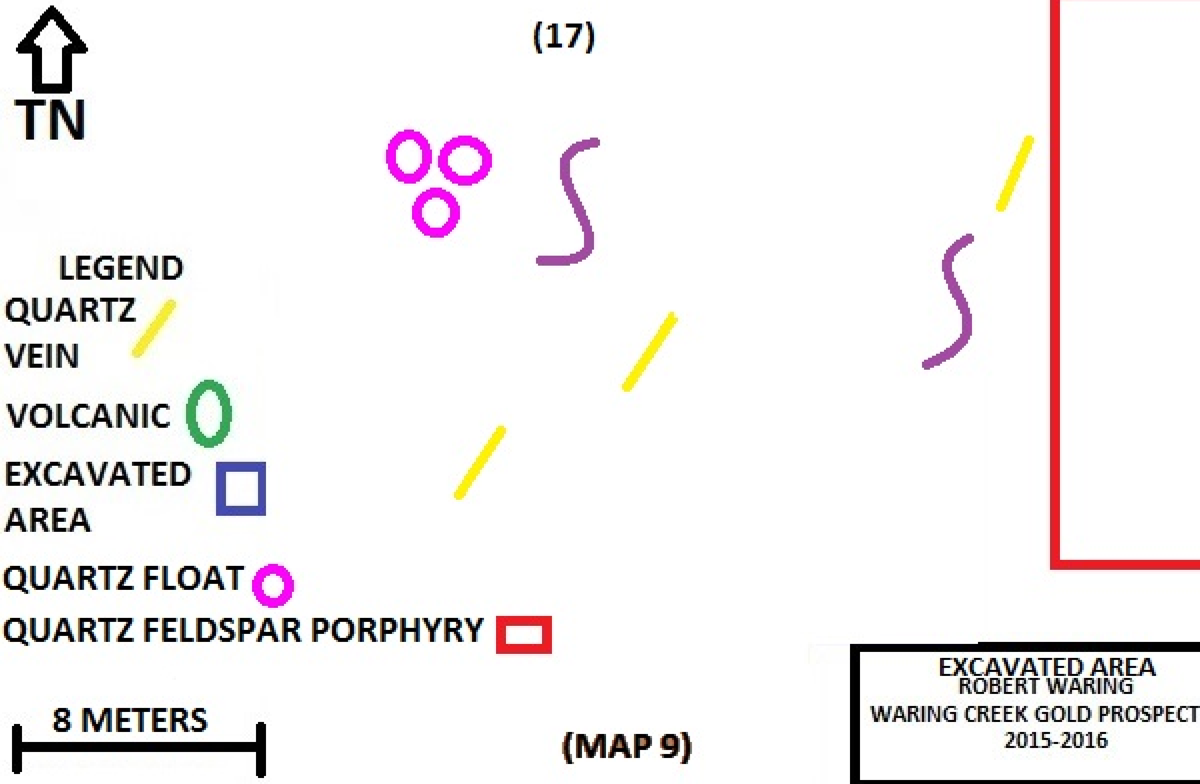


(14)
30 METER WIDE
SHEAR ZONE IDENTIFIED
BY MNDM GEOLOGISTS
1500937
9370
TN
Vb
Vb
9371
Vb
9375
9372
Vb
30 METERS
9378
9376
LEGEND
Vb BASALT
SHEAR ZONE
NOT ASSAYED QUARTZ VEIN
NOT ASSAYED QUARTZ FLOAT
EXCAVATOR USED
(MAP 6)
EXCAVATED AREA
ROBERT WARING
WARING CREEK
GOLD PROSPECT
2015-2016


LEGEND
BASALT
LAMINATED QUARTZ VEINS
SHEAR ZONE
10 METERS
(15)
POND
TN
LOGGING ROAD
0301
0302
EXCAVATED AREA MAP
ROBERT WARING
WARING CREEK GOLD PROSPECT
2015-2016
POND
POND
(MAP 7)



LEGEND
VLF SURVEY
H.DOWHALUK
1990
WHOLE ROCK Au
FIRE ASSAY
BASALT
SHEAR ZONE
RUSTY VOLCANICS
QUARTZ VEIN
(16)
TN
Vbr
Vbr
13.3g/t Au
Vb
9382
Vb
Vb
9403
50 METERS
WARING CREEK
EXCAVATED AREA
ROBERT WARING
WARING CREEK GOLD PROSPECT
2015-2016
(MAP 8)


TN
LEGEND
QUARTZ VEIN
VOLCANIC
EXCAVATED AREA
QUARTZ FLOAT
QUARTZ FELDSPAR PORPHYRY
8 METERS
EXCAVATED AREA
ROBERT WARING
WARING CREEK GOLD PROSPECT
2015-2016

(MAP 9)

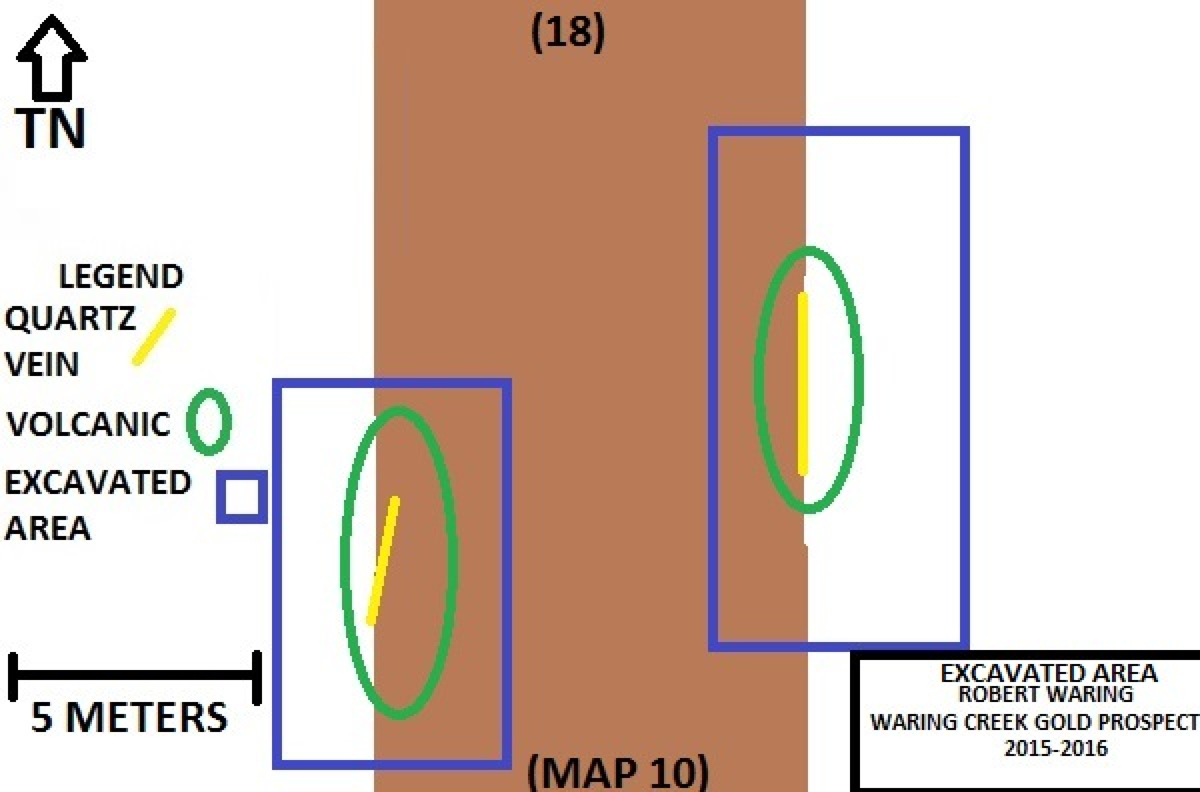
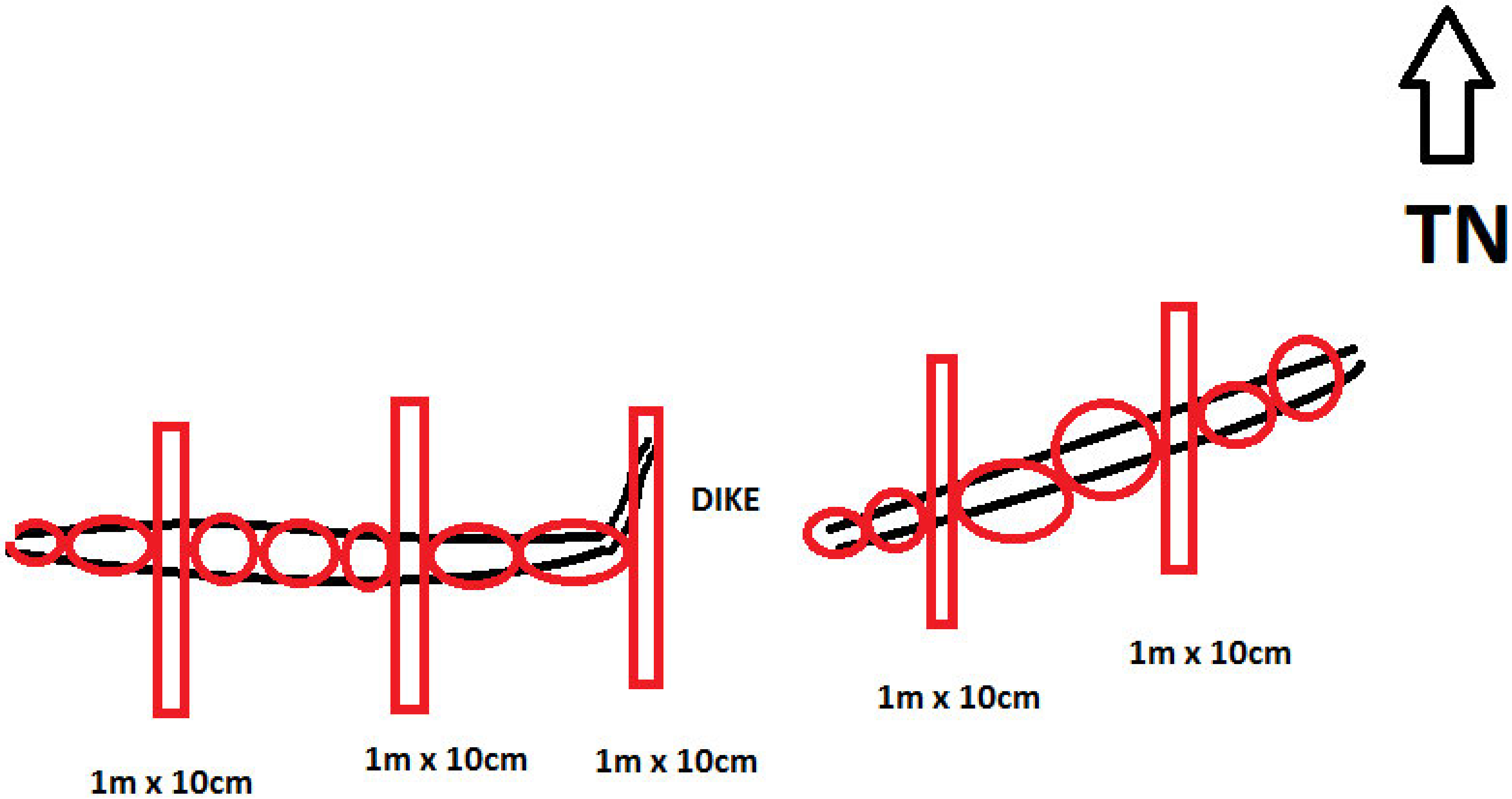

(18)
TN
LEGEND
QUARTZ VEIN
VOLCANIC
EXCAVATED AREA
5 METERS
(MAP 10)
EXCAVATED AREA
ROBERT WARING
WARING CREEK GOLD PROSPECT
2015-2016

DIAGRAM OF CHANNEL SAMPLING AT 9352



VEIW IS LOOKING HEAD ON AT 9352
18 SAMPLES TAKEN FOR ASSAY

WCP DAILY WORK SUMMARY

2015				2016			
Date	Predominate Claim worked	Prospecting method	Targets located/Worked on	Date	Predominate Claim worked	Prospecting Method	Targets Located/Worked on
April 3 2015	1500935	Simple Prospecting	9351, 9352	March 24 2016	1500030	Simple Prospecting	0300, 0301, 0302, 0303, 0304, 0305
April 10 2015	1500935	Simple Prospecting	9353	March 25 2016	1500030	Simple Prospecting	0306, 0307, 0308, 0309, 03010, 03011
April 19 2015	1500935	Simple Prospecting	9354, 9355, 9356, 9357	March 26 2016	1500030	Simple Prospecting	03012, 03013
April 24 2015	1500935	Simple Prospecting	9358, 9359, 93510	April 8th 2016	1500071	Simple Prospecting	0710, 0711, 0712, 0713
May 2 2015	1500935	Simple Prospecting	9352	April 15 2016	1500029	Simple Prospecting	290
May 8 2015	1500935	Simple Prospecting	9352	April 16 2016	1500029	Simple Prospecting	None
May 17 2015	1500937	Simple Prospecting	9370, 9371, 9372, 9373, 9374, 9375	April 22 2016	1500029	Simple Prospecting	291
May 22 2015	1500937	Simple Prospecting	9376, 9377	April 29 2016	1500029	Simple Prospecting	None
May 29 2015	1500938	Simple Prospecting	9380, 9381, 9382	April 30 2016	1500029	Simple Prospecting	None
May 30 2015	1500938	Simple Prospecting	9382	May 6 2016	1500998	Simple Prospecting	9981, 9982, 9983, 9985
June 1 2015	1500938	Simple Prospecting	9382	May 13 2016	1500071	Simple Prospecting	714
June 5 2015	1500938	Simple Prospecting	9382	May 20 2016	1500029	Simple Prospecting	None
June12 2015	1500938	Simple Prospecting	9382	May 22 2016	1500030	Simple Prospecting	3014, 03023, 03024, 03026, 03027
June 19 2015	1500940	Simple Prospecting	9401, 9402	May 23 2016	1500030	Water Pump	302
June 20 2015	1500940	Simple Prospecting	9403, 9404, 9405	June 3 2016	1500030	Simple Prospecting	03017, 03018, 03019, 03020, 03022, 03025
June 26 2015	1500936	Simple Prospecting	9360, 93618, 93619,93620	June 10 2016	1500071	Simple Prospecting	0715, 0716, 0717, 0718
July 3 2015	1500936	Simple Prospecting	9361, 9362, 93621, 93622	June 11 2016	1500071	Simple Prospecting	719
July 4 2015	1500936	Simple Prospecting	9363, 93624,93625,93626, 93627	June 24 2016	1500938	Simple Prospecting	9383
July 12 2015	1500955	Simple Prospecting	9550, 9551, 9552, 9553, 9554, 9555	June 25 2016	1500938	Simple Prospecting	93810
July 31 2015	1500955	Simple Prospecting	9556, 9557, 9559	June 26 2016	1500938	Simple Prospecting	93811
August 7 2015	1500030	Simple Prospecting	None	June 27 2016	1500936	Simple Prospecting	9364, 9365, 9366, 9367
August 13 2015	1500030	Simple Prospecting	None	June 28 2016	1500936	Simple Prospecting	9368, 9369, 93610, 93611, 93612
August 14 2015	1500938	Simple Prospecting	9383, 9384, 9385	July 2 2016	1500940	Simple Prospecting	9406
August 29 2015	1500935	Simple Prospecting	93511	July 3 2016	1500940	Simple Prospecting	9407, 9408
September 5 2015	1500935	Simple Prospecting	93512, 93513	July 15 2016	1500071	Simple Prospecting	7110
September 6 2015	1500935	Simple Prospecting	93514, 93515, 93516	July 25 2016	1500071	Simple Prospecting	None
September 11 2015	1500935	Simple Prospecting	9352	July 29 2016	1500936	Simple Prospecting	93613, 93614, 93615, 93616, 93617
September 20 2015	1500935	Simple Prospecting	93517, 93518, 93519	August 12 2016	1500938	Simple Prospecting	9382
September 25 2015	1500935	Simple Prospecting	93520	August 26 2016	1500935	Simple Prospecting	93510
September 27 2015	1500935	Simple Prospecting	9351	September 10 2016	1500937	Simple Prospecting	9379, 93710, 93713, 93716, 93717, 93719
October 3 2015	1500938	Simple Prospecting	9382	September 11 2016	1500938	Simple Prospecting	9382
October 9 2015	1500938	Simple Prospecting	9382	September 12 2016	1500935	Excavator	9352
October 18 2015	1500938	Simple Prospecting	9386	September 13 2016	1500935	Excavator	9357, 93511
October 23 2015	1500938	Simple Prospecting	9387, 9388, 9389	September 14 2016	1500937	Excavator	9371, 9372
October 30 2015	1500938	Simple Prospecting	9382	September 15 2016	1500938	Excavator	9382
November 6 2015	1500938	Simple Prospecting	9382	September 16 2016	1500936	Excavator	Worked on 9367
November 11 2015	1500935	Simple Prospecting	93526, 93527	September 16 2016	1500936	Excavator	Worked on 9362
November 12 2015	1500935	Simple Prospecting	9352	September 17 2016	1500030	Excavator	Worked on 0302
November 13 2015	1500935	Simple Prospecting	93529	September 18 2016	1500071	Excavator	Worked on 0711
November 20 2015	1500935	Simple Prospecting	9353	September 19 2016	1500935	Channel Samples	9352
November 27 2015	1500935	Simple Prospecting	9352	September 23 2016	1500935	Simple Prospecting	93510
December 4 2015	1500935	MNDM Site Visit	All Claims	September 24 2016	1500940	Simple Prospecting	9409
December 12 2015	1500935	Simple Prospecting	93511	September 30 2016	1500940	Simple Prospecting	94010
All work was conducted by Robert Waring				October 7 2016	1500938	Simple Prospecting	None
Simple prospecting envoloved walking a series of spiral patterns over area's of geographical/geophysical anomolie				October 21 2016	1500935	Simple Prospecting	93510
while probing the overburden with a 36" crowbar. When struck quartz makes a distguishable screech.				November 4 2016	1500935	MNDM Site Visit	All Claims

TABLE 2

WCP TARGETS LOCATED WITH ASSAY RESULTS

CLAIM 1500936

COORDINATES	TARGET ID	ASSAY ID	DESCRIPTION
N44.82893 W77.33414	9360	N/A	Qv
N44.82805 W77.33167	9361	N/A	Qv,L,NA,Qfp
N44.82948 W77.33469	9362	9362.4	Qv,L,Au(.230g/t)
N44.82879 W77.33396	9363	9363.5, 9363.6, 9363.1	Qv,L,Au(<0.02g/t)
N44.82646 W77.33027	9364	N/A	Qv,NA
N44.82866 W77.33270	9365	N/A	Qv,L,Au(0.23g/t)
N44.82836 W77.33376	9366	N/A	Qf,L,NA
N44.82823 W77.33416	9367	9367.16.01, 9367.1	Qv,L,Au(.275g/t)
N44.82912 W77.33319	9368	N/A	Qv,NA
N44.82962 W77.33440	9369	N/A	Qv,NA
N44.83053 W77.33031	93610	N/A	Qv,NA
N44.82828 W77.33120	93611	N/A	Qv,Au(.002g/t)
N44.82832 W77.33285	93612	N/A	Qv,Au(<0.03g/t)
N44.82858 W77.33288	93613	N/A	Qv,NA
18T 0315613 4966491	93614	93614.1	Qv,Au(<0.02g/t)
N44.82809 W77.33418	93615	93615.1	Qv,Au(.14g/t)
N44.82908 W77.33169	93616	N/A	Qv,NA
18T 0315675 4966476	93617	N/A	Qv,NA
N44.82859 W77.32944	93618	N/A	Qv,NA
N44.82766 W77.33232	93619	N/A	Qv,NA
N44.82752 W77.33140	93620	N/A	Qv,NA
N44.82949 W77.33406	93621	N/A	Qf,L,NA
N44.82894 W77.33003	93622	N/A	Qv,NA
N44.82900 W77.33397	93623	N/A	Qf,L,NA
N44.82878 W77.33379	93624	N/A	Qv,NA
N44.82844 W77.33372	93625	N/A	Qv,L,NA
N44.82887 W77.33397	93626	N/A	Qv,Au(<0.02g/t)
N44.82846 W77.32998	93627	N/A	Qwacke,Au(.07g/t

CLAIM 1500940

COORDINATES	TARGET ID	ASSAY ID	DESCRIPTION
N44.83910 W77.32947	9401	QV9401.1, QV9401.2, QV9401.3, QV9401.4, 9401.1	Qv,Au(0.13)
N44.83895 W77.32973	9402	9402.1	Qv,Au(<.005)
N44.83665 W77.32806	9403	940L1.1, 940L1.2, 940L1.3, 940L1.4, QV9403.1	Qv,Au(<.005)
N44.83633 W77.32795	9404	N/A	Qf,L,Au(<0.02)
N44.83833 W77.32583	9405	N/A	Qf,L,NA
N44.83629 W77.32765	9406	N/A	Qf,NA
N44.83823 W77.32711	9407	9407.6	Qf,Au(.010)
N44.83669 W77.32802	9408	9408.8	Qf,Au(<.005)
N44.83781 W77.32618	9409	9409.9	Qv,Au(.022)
N44.83776 W77.32653	94010	N/A	Qf,NA

CLAIM 1500029

COORDINATES	TARGET ID	ASSAY ID	DESCRIPTION
N44.82972 W77.32948	0290	N/A	Qfp
N44.82924 W77.32914	0291	N/A	Qv,NA

CLAIM 1500935

COORDINATES	TARGET ID	ASSAY ID	DESCRIPTION
N44.83242 W77.33170	9350	N/A	
N44.83113 W77.33145	9351	N/A	Qv,NA
N44.83059 W77.33401	9352	9350025, ALR150093526, 9351.17C, R935940PT, 9352.16.01, All "9352", 9352.12	Qv,L,Au(66.6)
N44.83080 W77.33438	9353	N/A	Qf,NA
N44.82992 W77.33418	9354	9354.1	Qf,L,Au(0.06)
N44.83238 W77.33244	9355	9355.1	Qv Au(<0.02)
N44.83252 W77.33234	9356	N/A	Qf,NA
N44.83085 W77.33104	9357	N/A	Qv,L,Au(.210)
N44.83098 W77.33105	9358	9358.1.1.3	QV,Au(0.03)
N44.83056 W77.33389	9359	N/A	QF,NA
N44.83087 W77.33388	93510	N/A	Qv,L,Au(<0.02)
N44.82999 W77.33421	93511	N/A	Qv,M,Au(<0.02
N44.83103 W77.33126	93512	N/A	Qf,L,NA
N44.83040 W77.33370	93513	N/A	Qf,L,NA
N44.83377 W77.33288	93514	N/A	Qv,NA
N44.83046 W77.33264	93515	N/A	Qf,NA
N44.82967 W77.33430	93516	N/A	Qv,NA
Nww.83068 W77.33379	93517	N/A	Qv,NA
N44.83212 W77.33186	93518	N/A	Sz
N44.83112 W77.33092	93519	N/A	QV,NA
N44.83056 W77.33371	93520	N/A	Qf,NA
N44.83087 W77.33388	93521	N/A	Qv,NA
Open	93522	N/A	N/A
Open	93523	N/A	N/A
Open	93524	N/A	N/A
Open	93525	N/A	N/A
N44.82994 W77.33477	93526	93526	Qf,Au(<0.03)
N44.83048 W77.33337	93527	93527	Qf, Au(1.08)
N44.83062 W77.33430	93528	N/A	Qv,NA
N44.83039 W77.33283	93529	N/A	Qv,NA
COORDINATES	TARGET ID	ASSAY ID	DESCRIPTION
N44.83484 W77.32430	9550	N/A	Qv,NA
N44.83484 W77.32430	9551	N/A	Qv,Au(<0.03)
N44.83614 W77.32729	9552	N/A	Qf,L,NA
N44.83614 W77.32761	9553	9553.1.2.1	Qf,L,Au(<0.02)
N44.83495 W77.32563	9554	N/A	Qv,NA
N44.83499 W77.32554	9555	N/A	Qv,NA
N44.83563 W77.32541	9556	N/A	Qv,NA
N44.83489 W77.32315	9557	N/A	Qv,NA
Open	9558	N/A	N/A
N44.83515 W77.32721	9559	N/A	Qv,NA
Open	95510	N/A	N/A
Open	95511	N/A	N/A
Open	95512	N/A	N/A

CLAIM 1500030

COORDINATES	TARGET ID	ASSAY ID	DESCRIPTION
N44.82523 W7733206	0300		Qv,Qfp,Au(<0.02)
N44.82463 W77.33559	0301	0301.1, 0301.1	Qv,Au(1.38)
N44.82446 W77.33553	0302	0302.2, 0302.3, 0302.1	Qv,L,Au(0.70)
N44.82490 W77.33370	0303	0303.9.7.1	Qf,Au(0.11)
N44.82490 W77.33370	0304	0304.1	Qv,L,Au(0.10)
N44.82523 W77.33232	0305	0305.7, 0305.8, 0305.1.1.2	Qv,Qfp,Au(0.07)
N44.82344 W77.33557	0306	0306.1	Qv,L,Au(<0.02)
N44.82381 W77.33561	0307	N/A	Qf,NA
N44.82523 W77.33207	0308	0308.5.1	Qv,L,Qfp,Au(<0.02)
N44.82393 W77.33555	0309	N/A	Qf,NA
N44.82404 W77.33654	03010	N/A	Qv,NA
N44.82391 W77.33620	03011	N/A	Qv,NA
N44.82174 W77.33614	03012	N/A	Qv,NA
N44.82183 W77.33611	03013	N/A	Qf,L,NA
N44.82452 W77.33511	03014	N/A	Qf,Au(<0.02)
Open	03015	N/A	
N44.82174 W77.33614	03017	N/A	Qv,NA
N44.82522 W77.33134	03018	N/A	Qv,NA
N44.82499 W77.33247	03019	N/A	Qv,L,NA
N44.82507 W77.33263	03020	N/A	Qv,Qfp,NA
Open	03021	N/A	N/A
N44.82497 W77.33331	03022	N/A	Qv,Qfp,NA
N44.82528 W77.33224	03023	N/A	Qf,NA
N44.82463 W77.33379	03024	N/A	Qf,L,NA
N44.82406 W77.33557	03025	N/A	Qf,L,NA
N44.82403 W77.33562	03026	N/A	Qf,L,NA
N44.82340 W77.33562	03027	N/A	Qv,NA

CLAIM 1500071

COORDINATES	TARGET ID	ASSAY ID	DESCRIPTION
N44.82235 W77.33790	0710	N/A	Qv,NA
N44.81927 W77.33581	0712	0712	Qv,Qfp,Au(.044)
N44.82086 W77.33611	0713	N/A	Qv,NA
N44.81952 W77.33511	0714	N/A	Qv,NA
N44.81907 W77.33469	0715	N/A	Qv,NA
N44.82240 W77.33713	0716	N/A	Qf,NA
N44.82222 W77.33764	0717	0717	Qv,Qfp,Au(<.005)
N44.81907 W77.33617	0718	N/A	Qv,NA
N44.82243 W77.33788	0719	N/A	Qf,L,NA
N44.81927 W77.33581	07110	N/A	Qf,Qfp,NA
N44.82022 W77.33549	07111	N/A	Qv,NA
Open	07112	N/A	N/A
Open	07113	N/A	N/A
Open	07114	N/A	N/A
Open	07115	N/A	N/A

Claim 1500938

COORDINATES	TARGET ID	ASSAY ID	DESCRIPTION
N44.83648 W7732864	9380	9380.1	Qf,Au(0.04)
N44.83638 W77.32847	9381		Qf,L,NA
N44.83651 W77.32842	9382	9382.1, 9382.2, 9382.3, 9382.4, 9382.5, 9382.7, 9382.10	Qf,L,Au(13.3)
N44.83533 W77.33136	9383	N/A	Qf,NA
N44.83608 W77.32906	9384	N/A	Qv,NA
N44.83758 W77.32841	9385	N/A	Qf,L,NA
N44.83655 W77.33069	9386	N/A	Qv,NA
N44.83627 W77.32832	9387	N/A	Qf,NA
N44.83710 W77.32957	9388	N/A	Qv,NA
N44.83656 W77.32829	9389	9389.1	Qf,L,Au(<0.02)
N44.83582 W77.33022	93810	N/A	Qv,M,NA
N44.83656 W77.32829	93811	N/A	Qf,NA

CLAIM 1500937

COORDINATES	TARGET ID	ASSAY ID	DESCRIPTION
Open	9370	N/A	N/A
N44.83394 W77.33195	9371	QV9371.1, QV9371.2, QV9371.3, 9371.1	Qv,Au(.023)
N44.83396 W77.33210	9372	9372.1	Qv,Au(<0.02)
N44.83193 W77.32769	9373	N/A	Qv,NA
N44.83092 W77.33019	9374	N/A	Qv,NA
N44.83428 W77.33240	9375	N/A	Qf,NA
N44.83367 W77.33185	9376	N/A	Qv,NA
N44.83114 W77.33031	9377	N/A	Qv,NA
Open	9378	N/A	N/A
N44.83109 W77.33044	9379	N/A	Qv,NA
N44.83105 W77.33060	93710	N/A	Qv,NA
Open	93711	N/A	
Open	93712	N/A	
N44.83290 W77.32843	93713	N/A	Qf,L,NA
Open	93714	N/A	N/A
Open	93715	N/A	N/A
N44.83334 W77.32825	93717	N/A	Qv,NA
N44.83127 W77.32983	93718	N/A	Qv,L,Au(<0.02)
N44.83139 W77.32957	93719	N/A	Qv,Au(<0.02)
Open	93720	N/A	N/A

CLAIM 1500998

COORDINATES	TARGET ID	ASSAY ID	DESCRIPTION
Open	9980	N/A	N/A
N44.83521 W77.32133	9981	9981.1	Qv,Au(<.002)
N44.83588 W77.32169	9982	N/A	Qv,NA
N44.83553 W77.33136	9983	N/A	Qv,NA
Open	9984	N/A	N/A
N44.83533 W77.32131	9985	N/A	Qv,NA
Open	9985	N/A	N/A
Open	9985	N/A	N/A

(TABLE 3)

LEGEND
Qv=Mineralized/Rusty Quartz Vein
Qf=Mineralized/Rusty Quartz Float, Large Amount And Angular In Overburden
Au###=Au Assayed Converted To ppm
NA=Not Assayed
L=>15cm Wide, "Wall Rock To Wall Rock Markings If Float
Qfp=Granitoid Intrusion Association
M=Possible Multiple Veins >15cm Wide

Quality Analysis ... *Innovative Technologies*

Date Submitted:	13-Apr-15
Invoice No.:	A15-02476 (i)
Invoice Date:	01-May-15
Your Reference:	ALR

WARING MINERALS INC
520 RIVER RD
OTTAWA K1V1E9
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

3 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1EPI INAA(INAAGEO)/Aqua Regia ICP(AQUAGEO)
Code Weight Report (kg)-Internal Received Weights

REPORT **A15-02476 (i)**

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN TM

ACTIVATION LABORATORIES LTD.

41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Analyte Symbol	Fe	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S	As	Ba	Hg	Sb	W	Mass	Au
Unit Symbol	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	g	g/tonne
Lower Limit	0.02	5	0.2	0.5	1	2	2	1	2	1	0.001	2	50	1	0.2	4		0.02
Method Code	INAA	INAA	MULT INAA / AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	INAA	INAA	INAA	INAA	INAA	FA-GRA
9350021	1.74	< 5	< 0.2	< 0.5	11	61	< 2	12	< 2	2	0.024	< 2	< 50	< 1	< 0.2	< 4	25.5	
9350024	3.53	> 30000	1.9	< 0.5	162	425	< 2	27	< 2	5	0.066	< 2	< 50	< 1	< 0.2	< 4	23.3	66.6
9350025	0.68	667	< 0.2	< 0.5	17	103	< 2	5	< 2	< 1	0.003	10	< 50	< 1	0.3	< 4	30.7	

QC

Analyte Symbol	Fe	Au	Ag	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S	As	Ba	Hg	Sb	W	Mass	Au
Unit Symbol	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	g	g/tonne
Lower Limit	0.02	5	5	0.2	0.5	1	2	2	1	2	1	0.001	2	50	1	0.2	4		0.02
Method Code	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	INAA	INAA	INAA	INAA	INAA	FA-GRA
GXR-1 Meas				29.3	1.3	1200	914	15	31	626	704	0.208							
GXR-1 Cert				31.0	3.30	1110	852	18.0	41.0	730	760	0.257							
GXR-4 Meas				3.7	< 0.5	6420	150	303	36	38	66	1.683							
GXR-4 Cert				4.0	0.860	6520	155	310	42.0	52.0	73.0	1.77							
GXR-6 Meas				0.5	< 0.5	71	1150	2	21	89	122	0.014							
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	27.0	101	118	0.0160							
SAR-M (U.S.G.S.) Meas				3.1	5.9	335	5050	13	40	978	971								
SAR-M (U.S.G.S.) Cert				3.64	5.27	331.0000	5220	13.1	41.5	982	930.0								
OxN92 Meas																			7.64
OxN92 Cert																			7.64
OxK110 Meas																			3.59
OxK110 Cert																			3.602
DMMAS 118 Meas	3.24	1720											1700	1130		6.2			
DMMAS 118 Cert	3.25	1729											1661	1264		6.6			
9350025 Orig	0.69	130	< 5										10	< 50	< 1	0.3	< 4	30.2	
9350025 Dup	0.66	1200	< 5										10	< 50	< 1	0.3	< 4	31.2	
Method Blank				< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	< 1	< 0.001							
Method Blank	< 0.02	< 5	< 5										< 2	< 50	< 1	< 0.2	< 4	30.0	
Method Blank				< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	< 1	< 0.001							
Method Blank																			< 0.02

Date Submitted:	15-May-15
Invoice No.:	A15-03459 (i)
Invoice Date:	05-Jun-15
Your Reference:	ALR

WARING MINERALS INC
520 RIVER RD
OTTAWA K1V1E9
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

1 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1A4-1000 (100mesh) Au-Fire Assay-Metallic Screen-1000g
Code 1EPI/MS INAA(INAAGEO)/Aqua Regia ICP(AQUAGEO)/Aqua Regia Digestion ICP/MS

REPORT **A15-03459 (i)**

Notes:
A representative 1000 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.

41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Analyte Symbol	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga
Unit Symbol	g/mt	g/mt	g/mt	g/mt	g	g	g	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.07	0.07	0.07	0.07				5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1
Method Code	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS
ALR150093526	42.2	< 0.07	< 0.07	2.07	48.11	933.17	981.28	133	0.4	< 2	< 0.5	81	68	< 2	25	< 2	6	< 100	0.14	0.21	< 0.05	0.98	< 1

Results

Analyte Symbol	Ge	Hg	K	Na	Sb	S	Se	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	1	0.01	0.01	0.2	0.001	0.1	0.1	0.1	4	
Method Code	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	MULT INAA / AR-ICP-MS	AR-MS	AR-MS	INAA	INAA
ALR150093526	< 0.1	< 1	< 0.01	0.03	0.2	0.316	0.2	0.6	< 0.1	< 4	41.0

QC

Analyte Symbol	Total Au	Total Weight	Au	Ag	Ag	As	Cd	Cu	Mn	Mo	Ni	Ni	Pb	Zn	Zn	Ba	Ba	Bi	Ca	Cs	Cs	Fe	Ga
Unit Symbol	g/mt	g	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.07		5	0.2	5	2	0.5	1	2	2	1	50	2	1	50	1	100	0.10	0.01	0.05	2	0.02	1
Method Code	FA-MeT	FA-MeT	INAA	AR-ICP	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	AR-ICP	AR-ICP	INAA	AR-ICP	INAA	AR-MS	AR-ICP	AR-MS	INAA	INAA	AR-MS
GXR-1 Meas				30.6			2.0	1230	825	16	32		680	729		> 500		> 1000	0.84	2.87			6
GXR-1 Cert				31.0			3.30	1110	852	18.0	41.0		730	760		750		1380	0.960	3.00			13.8
GXR-1 Meas				33.6			3.1	1230	944	18	41		786	825		> 500		> 1000	1.03	2.87			6
GXR-1 Cert				31.0			3.30	1110	852	18.0	41.0		730	760		750		1380	0.960	3.00			13.8
GXR-4 Meas				3.5			< 0.5	6300	141	326	40		42	68		25		18.0	0.92	2.40			13
GXR-4 Cert				4.0			0.860	6520	155	310	42.0		52.0	73.0		1640		19.0	1.01	2.80			20.0
GXR-4 Meas				3.2			< 0.5	6150	140	293	36		48	70		87		18.0	0.89	2.40			13
GXR-4 Cert				4.0			0.860	6520	155	310	42.0		52.0	73.0		1640		19.0	1.01	2.80			20.0
GXR-6 Meas				0.3			< 0.5	61	923	2	20		83	110		> 500		0.16	0.20	3.60			16
GXR-6 Cert				1.30			1.00	66.0	1010	2.40	27.0		101	118		1300		0.290	0.180	4.20			35.0
GXR-6 Meas				0.2			< 0.5	58	939	< 2	20		97	111		> 500		0.16	0.23	3.60			16
GXR-6 Cert				1.30			1.00	66.0	1010	2.40	27.0		101	118		1300		0.290	0.180	4.20			35.0
SAR-M (U.S.G.S.) Meas				3.4			5.1	338	4750	13	43		1040	1020		210		1.92	0.30				6
SAR-M (U.S.G.S.) Cert				3.64			5.27	331.0000	5220	13.1	41.5		982	930.0		801		1.94	0.61				17
SAR-M (U.S.G.S.) Meas				3.0			5.5	327	4740	11	41		986	958		182		1.92	0.27				6
SAR-M (U.S.G.S.) Cert				3.64			5.27	331.0000	5220	13.1	41.5		982	930.0		801		1.94	0.61				17
OREAS 45d (4-Acid) Meas								384	447	3	232		15	38		108		0.29	0.11	3.15			18
OREAS 45d (4-Acid) Cert								371.0	490.000	2.500	231.0		21.8	45.7		183.0		0.31	0.185	3.910			21.20
OREAS 45d (4-Acid) Meas								341	429	< 2	205		20	38		94		0.29	0.11	3.15			18
OREAS 45d (4-Acid) Cert								371.0	490.000	2.500	231.0		21.8	45.7		183.0		0.31	0.185	3.910			21.20
OxK110 Meas	3.59																						
OxK110 Cert	3.602																						
CDN-GS-5P Meas			4680		118																		
CDN-GS-5P Cert			4800.00		119.00																		
DMMAS 118 Meas			1790			1750											1300					3.43	
DMMAS 118 Cert			1729			1661											1264					3.25	
ALR150093526 Orig	2.07	981.28		0.3			< 0.5	81	67	< 2	25		2	7		9		0.14	0.21	< 0.05			< 1
ALR150093526 Dup				0.4			< 0.5	81	69	< 2	24		< 2	6		10		0.14	0.21	< 0.05			< 1
Method Blank				< 0.2			< 0.5	6	< 2	< 2	2		9	< 1		9		< 0.10	< 0.01	< 0.05			< 1
Method Blank				< 0.2			< 0.5	< 1	< 2	< 2	< 1		< 2	< 1		< 1		< 0.10	< 0.01	< 0.05			< 1
Method Blank	< 0.07																						
Method Blank			< 5		< 5	< 2						< 50			< 50		< 100				< 2	< 0.02	

QC

Analyte Symbol	Ge	Hg	K	Na	Sb	S	Se	Se	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	1	0.01	0.01	0.2	0.001	0.1	3	0.1	0.1	4	
Method Code	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	AR-MS	INAA	AR-MS	AR-MS	INAA	INAA
GXR-1 Meas			0.03			0.219	16.8		13.8	0.3		
GXR-1 Cert			0.050			0.257	16.6		13.0	0.390		
GXR-1 Meas			0.03			0.433	16.8		13.8	0.3		

Analyte Symbol	Ge	Hg	K	Na	Sb	S	Se	Se	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	1	0.01	0.01	0.2	0.001	0.1	3	0.1	0.1	4	
Method Code	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	AR-MS	INAA	AR-MS	AR-MS	INAA	INAA
GXR-1 Cert			0.050			0.257	16.6		13.0	0.390		
GXR-4 Meas			1.78			1.709	5.2		0.4	2.3		
GXR-4 Cert			4.01			1.77	5.60		0.970	3.20		
GXR-4 Meas			1.69			1.846	5.2		0.4	2.3		
GXR-4 Cert			4.01			1.77	5.60		0.970	3.20		
GXR-6 Meas			1.10			0.012	0.6		< 0.1	1.5		
GXR-6 Cert			1.87			0.0160	0.940		0.0180	2.20		
GXR-6 Meas			1.08			< 0.001	0.6		< 0.1	1.5		
GXR-6 Cert			1.87			0.0160	0.940		0.0180	2.20		
SAR-M (U.S.G.S.) Meas			0.30				2.4		0.4	0.6		
SAR-M (U.S.G.S.) Cert			2.94				0.39		0.96	2.7		
SAR-M (U.S.G.S.) Meas			0.29				2.4		0.4	0.6		
SAR-M (U.S.G.S.) Cert			2.94				0.39		0.96	2.7		
OREAS 45d (4-Acid) Meas			0.14			0.044				0.1		
OREAS 45d (4-Acid) Cert			0.412			0.049				0.27		
OREAS 45d (4-Acid) Meas			0.13			0.718				0.1		
OREAS 45d (4-Acid) Cert			0.412			0.049				0.27		
OxK110 Meas												
OxK110 Cert												
CDN-GS-5P Meas												
CDN-GS-5P Cert												
DMMAS 118 Meas				2.25	6.5							
DMMAS 118 Cert				2.21	6.6							
ALR150093526 Orig	< 0.1		< 0.01			0.310	0.2		0.5	< 0.1		
ALR150093526 Dup	< 0.1		< 0.01			0.323	0.2		0.7	< 0.1		
Method Blank	< 0.1		< 0.01			< 0.001	< 0.1		< 0.1	< 0.1		
Method Blank	< 0.1		< 0.01			< 0.001	< 0.1		< 0.1	< 0.1		
Method Blank												
Method Blank		< 1		< 0.01	< 0.2			< 3			< 4	30.0

Quality Analysis ... **Innovative Technologies**

Date Submitted:	16-Jul-15
Invoice No.:	A15-05352
Invoice Date:	14-Aug-15
Your Reference:	

WARING MINERALS INC
520 RIVER RD
OTTAWA ON K1V 1E9
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

6 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1A3-50 Au - Fire Assay Gravimetric (QOP AA-Au)
Code 1C-Exp 2 Fire Assay-ICP/MS
Code 1E3 Aqua Regia ICP(AQUAGEO)
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A15-05352**

Notes:

Assays are recommended for values >10,000 for Cu and Au. The Au from AR-MS is only semi-quantitative.
For accurate Au data, fire assay is recommended.
Values which exceed the upper limit should be assayed for accurate numbers.
We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.

41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Analyte Symbol	Au	Pt	Pd	Th	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	1	0.5	0.5	20	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10
Method Code	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
940L1.1																							
940L1.2																							
940L1.3																							
940L1.4																							
9351.17C				< 20	1.0	< 0.5	5120	146	< 1	1550	12	30	0.19	11	< 10	< 10	< 0.5	< 2	0.25	664	3	26.7	< 10
R935940PT	218	0.8	0.5																				

Results

Analyte Symbol	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Ti	S	P	Li	Be
Unit Symbol	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm
Lower Limit	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.001	1	0.001	0.1	0.1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
940L1.1																			0.418	< 1	0.103	10.8	1.6
940L1.2																			0.249	< 1	0.070	6.0	1.1
940L1.3																			0.027	< 1	0.007	3.4	0.7
940L1.4																			0.226	< 1	0.039	9.3	0.5
9351.17C	< 1	0.01	< 10	0.12	0.075	0.005	10.5	8	< 1	13	< 0.01	< 1	< 2	< 10	10	< 10	2	10					
R935940PT																							

Results

Analyte Symbol	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.5	0.01	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
940L1.1	9	0.490	2.28	3.03	0.26	0.20	2.53	13.1	118	57	1030	4.88	19.7	35.9	1.74	94.1	11.2	0.3	4.2	11.3	22.8	18.0	8.7
940L1.2	< 1	0.347	1.53	1.71	0.11	0.05	2.12	16.6	151	75	770	4.06	14.5	16.5	19.8	60.0	5.01	0.2	1.6	5.0	3.5	17.4	7.7
940L1.3	3	0.201	0.12	0.64	0.30	0.05	0.17	0.9	9	6	136	0.50	1.5	2.0	2.81	14.0	1.91	0.1	1.4	7.6	15.2	1.91	6.4
940L1.4	1	0.257	1.91	2.69	0.07	0.03	1.44	21.0	163	76	650	4.76	16.6	12.1	5.58	76.6	7.50	0.2	1.6	1.3	2.6	13.0	3.6
9351.17C																							
R935940PT																							

Results

Analyte Symbol	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
940L1.1	2.5	1.52	0.053	0.03	1.80	0.24	0.12	1.27	53.0	14.2	29.6	0.03	3.5	13.4	2.7	1.0	0.9	3.7	0.6	3.0	0.8	1.7	0.3
940L1.2	1.2	0.69	0.055	0.09	0.67	0.11	0.03	0.89	23.5	10.0	19.8	0.13	2.0	7.28	2.2	0.3	0.5	3.1	0.5	2.8	0.8	2.1	0.3
940L1.3	1.9	2.21	0.045	< 0.02	0.16	0.12	0.04	0.24	95.9	5.9	11.2	< 0.01	1.1	2.61	0.5	< 0.1	< 0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1
940L1.4	0.9	0.63	0.003	0.04	0.40	0.14	0.05	0.19	16.3	4.2	10.0	< 0.01	1.1	4.58	1.0	0.4	0.4	2.1	0.4	2.1	0.6	1.4	0.3
9351.17C																							
R935940PT																							

Results

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	g/tonne	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	10	0.02	5	5	2	200	5	1	5	10	2	0.02
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-GRA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
940L1.1	2.0	0.2	0.3	< 0.05	0.2	< 0.001	0.7	0.22	4.26	3.5	1.0	< 10											
940L1.2	2.3	0.3	0.2	< 0.05	0.1	< 0.001	< 0.5	0.08	2.62	3.0	0.9	< 10											
940L1.3	0.2	< 0.1	0.2	< 0.05	0.1	< 0.001	< 0.5	0.07	5.21	2.6	0.7	< 10											
940L1.4	1.5	0.2	0.1	< 0.05	0.2	< 0.001	0.7	0.03	1.98	1.4	0.3	< 10											
9351.17C													1.12	132	< 5	4	< 200	< 5	< 1	832	30	2	32.6
R935940PT																							

Results

Analyte Symbol	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb
Unit Symbol	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	50	20	0.05	200	50	0.2	0.1	20	0.2	1	0.5	0.5	4	200	1	3	10	0.1	0.2	2	0.2
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
940L1.1																							
940L1.2																							
940L1.3																							
940L1.4																							
9351.17C	< 1	< 5	< 50	< 20	0.23	1500	< 50	< 0.2	2.0	30	< 0.2	< 1	1.8	< 0.5	< 4	< 200	6	< 3	< 10	0.6	< 0.2	< 2	0.4
R935940PT																							

Results

Analyte Symbol	Lu	Mass
Unit Symbol	ppm	g
Lower Limit	0.05	
Method Code	INAA	INAA
940L1.1		
940L1.2		
940L1.3		
940L1.4		
9351.17C	0.05	2.00
R935940PT		

QC

Analyte Symbol	Au	Pt	Pd	Th	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	1	0.5	0.5	20	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10
Method Code	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas				< 20	29.7	1.6	1200	802	15	24	597	679	0.33	404	< 10	282	0.8	1460	0.79	6	6	21.8	< 10
GXR-1 Cert				2.44	31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8
GXR-1 Meas				< 20	30.7	2.1	1210	817	15	34	624	694	0.35	421	< 10	130	0.8	1510	0.81	7	6	22.3	< 10
GXR-1 Cert				2.44	31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8
GXR-1 Meas				< 20	29.6	2.1	1190	778	15	29	583	667	0.30	391	< 10	168	0.8	1450	0.77	6	6	21.1	< 10
GXR-1 Cert				2.44	31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8
GXR-4 Meas				< 20	3.4	< 0.5	6470	134	333	35	42	70	2.68	101	< 10	33	1.4	9	0.92	13	55	2.97	10
GXR-4 Cert				22.5	4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0
GXR-4 Meas				< 20	3.5	< 0.5	6410	135	317	33	37	72	2.62	98	< 10	20	1.3	8	0.90	12	51	2.94	10
GXR-4 Cert				22.5	4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0
GXR-4 Meas				< 20	3.5	< 0.5	6370	127	327	32	40	74	2.45	100	< 10	26	1.3	43	0.85	13	52	2.87	10
GXR-4 Cert				22.5	4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0
GXR-6 Meas				< 20	0.3	< 0.5	62	929	2	17	82	115	6.53	208	< 10	1380	0.9	< 2	0.21	12	70	4.91	20
GXR-6 Cert				5.30	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0
GXR-6 Meas				< 20	0.2	< 0.5	64	939	2	17	83	118	6.68	178	< 10	1410	0.9	< 2	0.22	11	71	5.01	20
GXR-6 Cert				5.30	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0
GXR-6 Meas				< 20	0.2	< 0.5	63	896	< 1	17	83	108	6.08	186	< 10	1310	0.8	< 2	0.21	12	67	4.85	20
GXR-6 Cert				5.30	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0
SAR-M (U.S.G.S.) Meas				< 20	4.4	5.3	359	4840	15	43	1080	1110	1.24	38		229	1.1	< 2	0.33	11	95	2.93	< 10
SAR-M (U.S.G.S.) Cert				17.2	3.64	5.27	331.0000	5220	13.1	41.5	982	930.0	6.30	38.8		801	2.20	1.94	0.61	10.70	79.7	2.99	17
SAR-M (U.S.G.S.) Meas				< 20	5.4	5.6	360	4950	14	43	1100	1160	1.21	36		222	1.1	< 2	0.33	12	96	2.99	< 10
SAR-M (U.S.G.S.) Cert				17.2	3.64	5.27	331.0000	5220	13.1	41.5	982	930.0	6.30	38.8		801	2.20	1.94	0.61	10.70	79.7	2.99	17
SAR-M (U.S.G.S.) Meas				< 20	3.7	5.2	355	4540	14	41	1060	1100	0.86	40		179	0.9	< 2	0.28	11	91	2.69	< 10
SAR-M (U.S.G.S.) Cert				17.2	3.64	5.27	331.0000	5220	13.1	41.5	982	930.0	6.30	38.8		801	2.20	1.94	0.61	10.70	79.7	2.99	17
OxK110 Meas																							
OxK110 Cert																							
OxK110 Meas																							
OxK110 Cert																							
CDN-PGMS-24 Meas	798	1140	4710																				
CDN-PGMS-24 Cert	806.000	1090.00	4880.00																				
CDN-PGMS-25 Meas	472	431	1780																				
CDN-PGMS-25 Cert	483	400	1830																				
OXN117 Meas																							
OXN117 Cert																							
OXN117 Meas																							
OXN117 Cert																							
DMMAS 118 Meas																							
DMMAS 118 Cert																							
R935940PT Orig	218	0.8	0.5																				
Method Blank				< 20	< 0.2	< 0.5	1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank				< 20	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank				< 20	< 0.2	< 0.5	2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank				< 20	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10

Analyte Symbol	Au	Pt	Pd	Th	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	1	0.5	0.5	20	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10
Method Code	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank				< 20	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	12	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank				< 20	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	12	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank	< 1	0.8	< 0.5																				
Method Blank																							
Method Blank																							
Method Blank																							

QC

Analyte Symbol	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Ti	S	P	Li	Be
Unit Symbol	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm
Lower Limit	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.001	1	0.001	0.1	0.1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	3	0.03	< 10	0.13	0.057	0.039	0.19	75	1	187	< 0.01	11	< 2	27	80	160	24	13	0.006	< 1	0.049	5.8	1.0
GXR-1 Cert	3.90	0.050	7.50	0.217	0.0520	0.0650	0.257	122	1.58	275	0.036	13.0	0.390	34.9	80.0	164	32.0	38.0	0.036	0.257	0.0650	8.20	1.22
GXR-1 Meas	< 1	0.03	< 10	0.14	0.052	0.042	0.19	72	1	206	< 0.01	11	< 2	27	81	175	25	13					
GXR-1 Cert	3.90	0.050	7.50	0.217	0.0520	0.0650	0.257	122	1.58	275	0.036	13.0	0.390	34.9	80.0	164	32.0	38.0					
GXR-1 Meas	4	0.03	< 10	0.13	0.049	0.033	0.17	72	1	143	< 0.01	10	< 2	26	79	147	23	15					
GXR-1 Cert	3.90	0.050	7.50	0.217	0.0520	0.0650	0.257	122	1.58	275	0.036	13.0	0.390	34.9	80.0	164	32.0	38.0					
GXR-4 Meas	< 1	1.72	48	1.60	0.138	0.117	1.78	5	7	77	0.13	5	< 2	< 10	77	< 10	12	10	0.132	1	0.131	10.3	1.5
GXR-4 Cert	0.110	4.01	64.5	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	0.970	3.20	6.20	87.0	30.8	14.0	186	0.29	1.77	0.120	11.1	1.90
GXR-4 Meas	< 1	1.69	47	1.57	0.131	0.113	1.73	< 2	7	75	0.13	4	< 2	< 10	76	< 10	11	9					
GXR-4 Cert	0.110	4.01	64.5	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	0.970	3.20	6.20	87.0	30.8	14.0	186					
GXR-4 Meas	< 1	1.58	36	1.54	0.117	0.113	1.74	< 2	6	67	0.13	< 1	2	< 10	75	< 10	11	9					
GXR-4 Cert	0.110	4.01	64.5	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	0.970	3.20	6.20	87.0	30.8	14.0	186					
GXR-6 Meas	< 1	1.06	10	0.39	0.132	0.028	0.01	5	21	42		< 1	< 2	< 10	156	< 10	6	17		< 1	0.030	31.5	0.9
GXR-6 Cert	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110		0.0160	0.0350	32.0	1.40
GXR-6 Meas	< 1	1.09	10	0.39	0.136	0.027	0.01	< 2	21	45		< 1	< 2	< 10	156	< 10	6	9					
GXR-6 Cert	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110					
GXR-6 Meas	< 1	0.89	< 10	0.34	0.122	0.026	0.01	< 2	20	40		< 1	< 2	< 10	148	< 10	6	14					
GXR-6 Cert	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110					
SAR-M (U.S.G.S.) Meas		0.33	47	0.38	0.043	0.062		6	3	33	0.06	< 1	< 2	< 10	38	< 10	20		0.054		0.075	14.4	1.1
SAR-M (U.S.G.S.) Cert		2.94	57.4	0.50	1.140	0.07		6.0	7.83	151	0.38	0.96	2.7	3.57	67.2	9.78	28.00		0.38		0.07	27.4	2.20
SAR-M (U.S.G.S.) Meas		0.31	48	0.38	0.043	0.063		4	3	32	0.05	< 1	< 2	< 10	37	< 10	20						
SAR-M (U.S.G.S.) Cert		2.94	57.4	0.50	1.140	0.07		6.0	7.83	151	0.38	0.96	2.7	3.57	67.2	9.78	28.00						
SAR-M (U.S.G.S.) Meas		0.18	40	0.34	0.033	0.060		5	3	28	0.04	1	< 2	< 10	29	< 10	17						
SAR-M (U.S.G.S.) Cert		2.94	57.4	0.50	1.140	0.07		6.0	7.83	151	0.38	0.96	2.7	3.57	67.2	9.78	28.00						
OxK110 Meas																							
OxK110 Cert																							
OxK110 Meas																							
OxK110 Cert																							
CDN-PGMS-24 Meas																							
CDN-PGMS-24 Cert																							
CDN-PGMS-25 Meas																							
CDN-PGMS-25 Cert																							

Analyte Symbol	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr	Ti	S	P	Li	Be
Unit Symbol	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm
Lower Limit	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1	0.001	1	0.001	0.1	0.1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OXN117 Meas																							
OXN117 Cert																							
OXN117 Meas																							
OXN117 Cert																							
DMMAS 118 Meas																							
DMMAS 118 Cert																							
R935940PT Orig																							
Method Blank	< 1	< 0.01	< 10	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1	< 0.001	< 1	< 0.001	< 0.1	< 0.1
Method Blank	< 1	< 0.01	< 10	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1					
Method Blank	< 1	< 0.01	< 10	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1					
Method Blank	< 1	< 0.01	< 10	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	1	< 2	< 10	< 1	< 10	< 1	< 1					
Method Blank	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1					
Method Blank	< 1	< 0.01	< 10	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1					
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

QC

Analyte Symbol	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.5	0.01	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	13	0.054	0.15	0.42	0.04	1360	0.91	1.5	80	7	942	23.6	7.5	36.3	1190	779	4.80		405	2.1	169	23.7	8.6
GXR-1 Cert	15.0	0.0520	0.217	3.52	0.050	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427	14.0	275	32.0	38.0
GXR-1 Meas																							
GXR-1 Cert																							
GXR-1 Meas																							
GXR-1 Cert																							
GXR-4 Meas	3	0.149	1.58	2.90	1.78	17.0	0.90	6.4	79	54	133	2.69	12.8	32.5	6270	65.1	8.05		91.9	84.7	63.5	10.7	8.8
GXR-4 Cert	4.50	0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	64.0	155	3.09	14.6	42.0	6520	73.0	20.0		98.0	160	221	14.0	186
GXR-4 Meas																							
GXR-4 Cert																							
GXR-4 Meas																							
GXR-4 Cert																							
GXR-6 Meas	5	0.090	0.39	7.16	1.12	0.15	0.20	20.1	154	71	933	4.56	11.0	18.2	58.4	108	16.0		187	54.1	32.3	5.46	13.4
GXR-6 Cert	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0		330	90.0	35.0	14.0	110
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
SAR-M (U.S.G.S.) Meas		0.038	0.35	1.28	0.33	1.51	0.30	2.4	35	90	4730	2.63	9.8	37.2	320	942	4.50		34.7	23.2	24.8	15.7	
SAR-M (U.S.G.S.) Cert		1.140	0.50	6.30	2.94	1.94	0.61	7.83	67.2	79.7	5220	2.99	10.70	41.5	331.0000	930.0	17		38.8	146	151	28.00	
SAR-M (U.S.G.S.) Meas																							
SAR-M (U.S.G.S.) Cert																							

Analyte Symbol	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.5	0.01	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
SAR-M (U.S.G.S.) Meas																							
SAR-M (U.S.G.S.) Cert																							
OxK110 Meas																							
OxK110 Cert																							
OxK110 Meas																							
OxK110 Cert																							
CDN-PGMS-24 Meas																							
CDN-PGMS-24 Cert																							
CDN-PGMS-25 Meas																							
CDN-PGMS-25 Cert																							
OXN117 Meas																							
OXN117 Cert																							
OXN117 Meas																							
OXN117 Cert																							
DMMAS 118 Meas																							
DMMAS 118 Cert																							
R935940PT Orig																							
Method Blank	< 1	< 0.001	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 1	< 1	< 0.01	< 0.1	< 0.1	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
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Method Blank																							
Method Blank																							

QC

Analyte Symbol	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	< 0.1	17.5	30.4	0.63	22.2	85.5	13.3	2.68	243	4.8	10.9	2.74		5.79	1.9	16.6	0.5	3.4	0.6	3.6			0.3
GXR-1 Cert	0.800	18.0	31.0	0.770	54.0	122	13.0	3.00	750	7.50	17.0	3.30		18.0	2.70	16.6	0.690	4.20	0.830	4.30			0.430
GXR-1 Meas																							
GXR-1 Cert																							
GXR-1 Meas																							
GXR-1 Cert																							
GXR-4 Meas	0.3	300	2.85	0.15	5.02	3.69	0.84	1.97	106	45.3	88.7	0.40		31.4	4.3	5.7	1.1	4.0	0.5	1.8			0.1
GXR-4 Cert	10.0	310	4.00	0.270	5.60	4.80	0.970	2.80	1640	64.5	102	0.860		45.0	6.60	5.60	1.63	5.25	0.360	2.60			0.210
GXR-4 Meas																							
GXR-4 Cert																							
GXR-4 Meas																							
GXR-4 Cert																							

Analyte Symbol	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas	0.1	1.72	0.227	< 0.02	1.00	1.78	0.10	3.05	1170	9.9	28.1	0.17		9.52	1.8	< 0.1	0.5	1.6	0.2	1.1			
GXR-6 Cert	7.50	2.40	1.30	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0	1.00		13.0	2.67	0.940	0.760	2.97	0.415	2.80			
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
SAR-M (U.S.G.S.) Meas	3.2	12.0	3.23	0.76	2.02	4.33	0.91		172	41.8	88.9	4.83				1.5							
SAR-M (U.S.G.S.) Cert	29.9	13.1	3.64	1.08	2.76	6.0	0.96		801	57.4	122.0	5.27				0.39							
SAR-M (U.S.G.S.) Meas																							
SAR-M (U.S.G.S.) Cert																							
SAR-M (U.S.G.S.) Meas																							
SAR-M (U.S.G.S.) Cert																							
OxK110 Meas																							
OxK110 Cert																							
OxK110 Meas																							
OxK110 Cert																							
CDN-PGMS-24 Meas																							
CDN-PGMS-24 Cert																							
CDN-PGMS-25 Meas																							
CDN-PGMS-25 Cert																							
OXN117 Meas																							
OXN117 Cert																							
OXN117 Meas																							
OXN117 Cert																							
DMMAS 118 Meas																							
DMMAS 118 Cert																							
R935940PT Orig																							
Method Blank	< 0.1	< 0.01	< 0.002	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.5	< 0.5	< 0.01	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

QC

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	g/tonne	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	10	0.02	5	5	2	200	5	1	5	10	2	0.02
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-GRA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GXR-1 Meas	2.1	0.2	0.2	< 0.05	120		3040	0.38	738	2.2	35.4	4030											
GXR-1 Cert	1.90	0.280	0.960	0.175	164		3300	0.390	730	2.44	34.9	3900											
GXR-1 Meas																							
GXR-1 Cert																							
GXR-1 Meas																							
GXR-1 Cert																							
GXR-4 Meas	0.7	0.1	0.7	< 0.05	8.5		529	2.72	44.9	18.4	5.3	80											
GXR-4 Cert	1.60	0.170	6.30	0.790	30.8		470	3.20	52.0	22.5	6.20	110											
GXR-4 Meas																							
GXR-4 Cert																							
GXR-4 Meas																							
GXR-4 Cert																							
GXR-6 Meas	0.7	0.1	0.4	< 0.05	< 0.1		63.3	1.49	89.3	3.7	0.8	70											
GXR-6 Cert	2.40	0.330	4.30	0.485	1.90		95.0	2.20	101	5.30	1.54	68.0											
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
SAR-M (U.S.G.S.) Meas					3.1		1010	0.76	935	10.9	2.1												
SAR-M (U.S.G.S.) Cert					9.78		462.000	2.7	982	17.2	3.57												
SAR-M (U.S.G.S.) Meas																							
SAR-M (U.S.G.S.) Cert																							
SAR-M (U.S.G.S.) Meas																							
SAR-M (U.S.G.S.) Cert																							
OxK110 Meas													3.57										
OxK110 Cert													3.602										
OxK110 Meas													3.64										
OxK110 Cert													3.602										
CDN-PGMS-24 Meas																							
CDN-PGMS-24 Cert																							
CDN-PGMS-25 Meas																							
CDN-PGMS-25 Cert																							
OXN117 Meas													7.72										
OXN117 Cert													7.679										
OXN117 Meas													7.81										
OXN117 Cert													7.679										
DMMAS 118 Meas														1630		1640	1300			44	70		3.24
DMMAS 118 Cert														1729		1661	1264			45	83		3.25
R935940PT Orig																							
Method Blank	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.01	< 0.1	< 0.1	< 10											
Method Blank																							
Method Blank																							

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	g/tonne	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	10	0.02	5	5	2	200	5	1	5	10	2	0.02
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-GRA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank													< 0.02										
Method Blank													< 0.02										
Method Blank														< 5	< 5	< 2	< 200	< 5	< 1	< 5	< 10	< 2	< 0.02

QC

Analyte Symbol	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb
Unit Symbol	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	50	20	0.05	200	50	0.2	0.1	20	0.2	1	0.5	0.5	4	200	1	3	10	0.1	0.2	2	0.2
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GXR-1 Meas																							
GXR-1 Cert																							
GXR-1 Meas																							
GXR-1 Cert																							
GXR-1 Meas																							
GXR-1 Cert																							
GXR-4 Meas																							
GXR-4 Cert																							
GXR-4 Meas																							
GXR-4 Cert																							
GXR-4 Meas																							
GXR-4 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
SAR-M (U.S.G.S.) Meas																							
SAR-M (U.S.G.S.) Cert																							
SAR-M (U.S.G.S.) Meas																							
SAR-M (U.S.G.S.) Cert																							
SAR-M (U.S.G.S.) Meas																							
SAR-M (U.S.G.S.) Cert																							
OxK110 Meas																							
OxK110 Cert																							
OxK110 Meas																							
OxK110 Cert																							
CDN-PGMS-24 Meas																							

Analyte Symbol	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb
Unit Symbol	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	50	20	0.05	200	50	0.2	0.1	20	0.2	1	0.5	0.5	4	200	1	3	10	0.1	0.2	2	0.2
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
CDN-PGMS-24 Cert																							
CDN-PGMS-25 Meas																							
CDN-PGMS-25 Cert																							
OXN117 Meas																							
OXN117 Cert																							
OXN117 Meas																							
OXN117 Cert																							
DMMAS 118 Meas					2.20			5.7	6.1					15.5			16	29		2.2			
DMMAS 118 Cert					2.21			6.6	6.1					15.9			16.9	30		2.2			
R935940PT Orig																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 1	< 5	< 50	< 20	< 0.05	< 200	< 50	< 0.2	< 0.1	< 20	< 0.2	< 1	< 0.5	< 0.5	< 4	< 200	< 1	< 3	< 10	< 0.1	< 0.2	< 2	< 0.2

QC

Analyte Symbol	Lu	Mass
Unit Symbol	ppm	g
Lower Limit	0.05	
Method Code	INAA	INAA
GXR-1 Meas		
GXR-1 Cert		
GXR-1 Meas		
GXR-1 Cert		
GXR-1 Meas		
GXR-1 Cert		
GXR-4 Meas		
GXR-4 Cert		
GXR-4 Meas		
GXR-4 Cert		
GXR-4 Meas		
GXR-4 Cert		
GXR-6 Meas		
GXR-6 Cert		
GXR-6 Meas		
GXR-6 Cert		
GXR-6 Meas		
GXR-6 Cert		
SAR-M (U.S.G.S.) Meas		
SAR-M (U.S.G.S.)		

Analyte Symbol	Lu	Mass
Unit Symbol	ppm	g
Lower Limit	0.05	
Method Code	INAA	INAA
Cert		
SAR-M (U.S.G.S.) Meas		
SAR-M (U.S.G.S.) Cert		
SAR-M (U.S.G.S.) Meas		
SAR-M (U.S.G.S.) Cert		
OxK110 Meas		
OxK110 Cert		
OxK110 Meas		
OxK110 Cert		
CDN-PGMS-24 Meas		
CDN-PGMS-24 Cert		
CDN-PGMS-25 Meas		
CDN-PGMS-25 Cert		
OXN117 Meas		
OXN117 Cert		
OXN117 Meas		
OXN117 Cert		
DMMAS 118 Meas		
DMMAS 118 Cert		
R935940PT Orig		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank	< 0.05	1.00

Quality Analysis ... *Innovative Technologies*

Date Submitted:	23-Jul-15
Invoice No.:	A15-05590
Invoice Date:	12-Aug-15
Your Reference:	ALR

WARING MINERALS INC
520 RIVER RD
OTTAWA ON K1V 1E9
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

9 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1EPI INAA(INAAGEO)/Aqua Regia ICP(AQUAGEO)
Code 1EPI/MS INAA(INAAGEO)/Aqua Regia ICP(AQUAGEO)/Aqua Regia Digestion ICP/MS

REPORT **A15-05590**

Notes:
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN TM

ACTIVATION LABORATORIES LTD.

41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S	As	Ba	Hg	Sb	W	Mass	Ni	Zn	Ba	Bi	Ca	Cs	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	%	ppm	%
Lower Limit	5	0.2	0.5	1	2	2	1	2	1	0.001	2	50	1	0.2	4		1	1	100	0.10	0.01	0.05	0.02
Method Code	INAA	MULT INAA / AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	INAA	INAA	INAA	INAA	INAA	MULT INAA / AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA
QV9371.1	8	0.3	< 0.5	368	379	3	56	4	18	0.067	3	< 50	< 1	< 0.2	< 4	7.69							5.97
QV9371.2	23	< 0.2	< 0.5	46	331	< 2	15	< 2	15	0.013	5	< 50	< 1	0.4	< 4	34.8							2.21
QV9371.3	< 5	< 0.2	< 0.5	30	129	< 2	3	< 2	19	0.001	5	430	< 1	0.8	< 4	25.9							1.35
QV9401.1	< 5	< 0.2	< 0.5	10	232	< 2	3	5	28	0.003	< 2	470	< 1	< 0.2	< 4	6.40							1.80
QV9401.2	< 5	< 0.2	< 0.5	2	100	< 2	< 1	2	4	0.001	4	< 50	< 1	0.3	< 4	36.4							0.70
QV9401.3	9	< 0.2	< 0.5	2	176	< 2	< 1	< 2	6	0.002	5	< 50	< 1	0.5	< 4	30.2							0.96
QV9402.1	< 5	< 0.2	< 0.5	16	13200	3	3	5	73	0.051	6	< 50	< 1	0.2	< 4	37.2							7.07
QV9401.4	< 5	< 0.2	< 0.5	176	154	< 2		< 2		0.678	< 2		< 1	< 0.2	< 4	28.2	46	4	< 100	0.11	0.01	< 0.05	2.14
QV9403.1	< 5	0.3	< 0.5	23	188	< 2	8	5	5	0.547	7	< 50	< 1	0.4	< 4	28.3							1.77

Results

Analyte Symbol	Ga	Ge	K	Na	Se	Te	Tl
Unit Symbol	ppm	ppm	%	%	ppm	ppm	ppm
Lower Limit	1	0.1	0.01	0.01	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-ICP	INAA	MULT INAA / AR-ICP-MS	AR-MS	AR-MS
QV9371.1							
QV9371.2							
QV9371.3							
QV9401.1							
QV9401.2							
QV9401.3							
QV9402.1							
QV9401.4	< 1	< 0.1	0.01	0.07	0.6	< 0.1	< 0.1
QV9403.1							

QC

Analyte Symbol	Fe	Au	Ag	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S	As	Ba	Hg	Sb	W	Mass	Ni	Zn	Ba	Ba	Bi
Unit Symbol	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.02	5	5	0.2	0.5	1	2	2	1	2	1	0.001	2	50	1	0.2	4		50	50	1	100	0.10
Method Code	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	INAA	AR-MS
GXR-1 Meas																					377		> 1000
GXR-1 Cert																					750		1380
GXR-1 Meas				30.0	2.5	1200	799	17	33	615	679	0.187											
GXR-1 Cert				31.0	3.30	1110	852	18.0	41.0	730	760	0.257											
GXR-4 Meas																					43		18.1
GXR-4 Cert																					1640		19.0
GXR-4 Meas				3.4	< 0.5	6510	135	324	31	46	81	1.763											
GXR-4 Cert				4.0	0.860	6520	155	310	42.0	52.0	73.0	1.77											
GXR-6 Meas																					> 500		0.15
GXR-6 Cert																					1300		0.290
GXR-6 Meas				0.3	< 0.5	62	944	2	16	85	116	0.018											
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	27.0	101	118	0.0160											
SAR-M (U.S.G.S.) Meas																							1.67
SAR-M (U.S.G.S.) Cert																							1.94
OREAS 45d (4-Acid) Meas																					114		0.30
OREAS 45d (4-Acid) Cert																					183.0		0.31
OREAS 45d (4-Acid) Meas						386	444	< 2	226	20	42	0.041											
OREAS 45d (4-Acid) Cert						371.0	490.000	2.500	231.0	21.8	45.7	0.049											
DMMAS 118 Meas	3.38	1680											1690	1310		6.3						1300	
DMMAS 118 Cert	3.25	1729											1661	1264		6.6						1264	
DMMAS 118 Meas	3.33	1770											1760	1090		7.1							
DMMAS 118 Cert	3.25	1729											1661	1264		6.6							
DMMAS 118 Meas		1650											1700			7.0							
DMMAS 118 Cert		1729											1661			6.6							
Method Blank																					12		< 0.10
Method Blank				< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	1	< 0.001											
Method Blank																					10		
Method Blank				< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	< 1	< 0.001											
Method Blank	< 0.02	< 5	< 5										< 2	< 50	< 1	< 0.2	< 4	30.0					
Method Blank		< 5	< 5										< 2		< 1	< 0.2	< 4	30.0	< 50	< 50		< 100	
Method Blank	< 0.02	< 5	< 5										< 2	< 50	< 1	< 0.2	< 4	10.0					

QC

Analyte Symbol	Ca	Cs	Cs	Fe	Ga	Ge	K	Na	Se	Se	Te	Tl
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.05	2	0.02	1	0.1	0.01	0.01	0.1	3	0.1	0.1
Method Code	AR-ICP	AR-MS	INAA	INAA	AR-MS	AR-MS	AR-ICP	INAA	AR-MS	INAA	AR-MS	AR-MS
GXR-1 Meas	0.78	2.74			5		0.03		16.5		13.0	0.4
GXR-1 Cert	0.960	3.00			13.8		0.050		16.6		13.0	0.390
GXR-1 Meas												
GXR-1 Cert												
GXR-4 Meas	0.91	2.26			13		1.74		6.3		0.7	2.4
GXR-4 Cert	1.01	2.80			20.0		4.01		5.60		0.970	3.20
GXR-4 Meas												

Analyte Symbol	Ca	Cs	Cs	Fe	Ga	Ge	K	Na	Se	Se	Te	Tl
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.05	2	0.02	1	0.1	0.01	0.01	0.1	3	0.1	0.1
Method Code	AR-ICP	AR-MS	INAA	INAA	AR-MS	AR-MS	AR-ICP	INAA	AR-MS	INAA	AR-MS	AR-MS
GXR-4 Cert												
GXR-6 Meas	0.22	3.18			17		1.07		0.4		< 0.1	1.3
GXR-6 Cert	0.180	4.20			35.0		1.87		0.940		0.0180	2.20
GXR-6 Meas												
GXR-6 Cert												
SAR-M (U.S.G.S.) Meas					7				1.7		0.8	0.6
SAR-M (U.S.G.S.) Cert					17				0.39		0.96	2.7
OREAS 45d (4-Acid) Meas	0.12	3.04			21		0.13					0.1
OREAS 45d (4-Acid) Cert	0.185	3.910			21.20		0.412					0.27
OREAS 45d (4-Acid) Meas												
OREAS 45d (4-Acid) Cert												
DMMAS 118 Meas				3.37				2.16				
DMMAS 118 Cert				3.25				2.21				
DMMAS 118 Meas												
DMMAS 118 Cert												
DMMAS 118 Meas												
DMMAS 118 Cert												
Method Blank	< 0.01	< 0.05			< 1	< 0.1	< 0.01		< 0.1		< 0.1	< 0.1
Method Blank												
Method Blank	< 0.01						< 0.01					
Method Blank												
Method Blank												
Method Blank			< 2	< 0.02				< 0.01		< 3		
Method Blank												

Quality Analysis ... *Innovative Technologies*

Date Submitted:	03-Dec-15
Invoice No.:	A15-10603
Invoice Date:	18-Dec-15
Your Reference:	

WARING MINERALS INC
520 RIVER RD
OTTAWA ON K1V 1E9
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

10 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1EPI INAA(INAAGEO)/Aqua Regia ICP(AQUAGEO)
Code 1A2 Au - Fire Assay AA
Code 1A2-50 Au - Fire Assay AA (QOP AA-Au)

REPORT **A15-10603**

Notes:
If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.

41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Analyte Symbol	Au	Fe	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S	As	Ba	Hg	Sb	W	Mass
Unit Symbol	ppb	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	5	0.02	5	0.2	0.5	1	2	2	1	2	1	0.001	2	50	1	0.2	4	
Method Code	FA-AA	INAA	INAA	MULT INAA / AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	INAA	INAA	INAA	INAA	INAA
9382.1	< 5																	
9382.2	29																	
9382.3	11																	
9382.4		8.83	< 5	< 0.2	< 0.5	10	533	< 2	8	< 2	88	0.005	< 2	< 50	< 1	< 0.2	< 4	39.8
9382.5		7.82	10400	0.8	< 0.5	602	186	8	223	< 2	6	5.051	9	< 50	< 1	0.2	< 4	44.2
9407.6	10																	
9382.7	7																	
9408.8	< 5																	
9409.9	22																	
9382.10	5																	

QC

Analyte Symbol	Au	Fe	Au	Ag	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S	As	Ba	Hg	Sb	W	Mass
Unit Symbol	ppb	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	5	0.02	5	5	0.2	0.5	1	2	2	1	2	1	0.001	2	50	1	0.2	4	
Method Code	FA-AA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	INAA	INAA	INAA	INAA	INAA
GXR-1 Meas					26.9	1.5	1090	803	12	26	558	652	0.174						
GXR-1 Cert					31.0	3.30	1110	852	18.0	41.0	730	760	0.257						
GXR-1 Meas					26.6	1.4	1100	788	12	28	554	654	0.174						
GXR-1 Cert					31.0	3.30	1110	852	18.0	41.0	730	760	0.257						
GXR-4 Meas					3.4	< 0.5	6480	154	262	35	38	69	1.629						
GXR-4 Cert					4.0	0.860	6520	155	310	42.0	52.0	73.0	1.77						
GXR-4 Meas					3.4	< 0.5	6550	151	266	36	39	68	1.650						
GXR-4 Cert					4.0	0.860	6520	155	310	42.0	52.0	73.0	1.77						
GXR-6 Meas					0.3	< 0.5	64	991	< 2	18	75	112	0.013						
GXR-6 Cert					1.30	1.00	66.0	1010	2.40	27.0	101	118	0.0160						
GXR-6 Meas					0.2	< 0.5	63	996	< 2	18	76	112	0.012						
GXR-6 Cert					1.30	1.00	66.0	1010	2.40	27.0	101	118	0.0160						
OxD108 Meas	418																		
OxD108 Cert	414																		
OxD108 Meas	410																		
OxD108 Cert	414																		
SG66 Meas	1080																		
SG66 Cert	1090																		
SG66 Meas	1090																		
SG66 Cert	1090																		
DMMAS 118 Meas		3.36	1690											1760	1160		6.6		
DMMAS 118 Cert		3.25	1729											1661	1264		6.6		
Method Blank	< 5																		
Method Blank	< 5																		
Method Blank					< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	< 1	< 0.001						
Method Blank					< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	< 1	< 0.001						
Method Blank					< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	< 1	< 0.001						
Method Blank		< 0.02	< 5	< 5										< 2	< 50	< 1	< 0.2	< 4	30.0

Quality Analysis ... *Innovative Technologies*

Date Submitted:	22-Dec-15
Invoice No.:	A15-11238 (i)
Invoice Date:	15-Jan-16
Your Reference:	

WARING MINERALS INC
520 RIVER RD
OTTAWA ON K1V 1E9
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

4 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A3-50 Au - Fire Assay Gravimetric (QOP AA-Au)
Code 1E3 Aqua Regia ICP(AQUAGEO)

REPORT **A15-11238 (i)**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.

41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Th	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K
Unit Symbol	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	0.02	20	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01
Method Code	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
0301.1	1.38	< 20	3.4	< 0.5	8390	131	3	414	7	16	0.37	38	< 10	11	< 0.5	4300	0.27	349	12	10.4	< 10	< 1	0.03
0302.2	0.27	< 20	2.7	< 0.5	198	109	15	28	34	6	0.18	15	< 10	25	< 0.5	8420	0.03	13	353	3.84	< 10	< 1	0.08
0302.3	0.39	< 20	5.0	< 0.5	144	71	5	5	6	9	0.08	17	< 10	16	< 0.5	> 10000	0.02	7	5	1.18	< 10	< 1	0.02
9362.4	< 0.02	< 20	< 0.2	< 0.5	244	82	12	42	3	12	0.08	3	< 10	31	< 0.5	40	0.11	23	248	1.25	< 10	< 1	0.02

Analyte Symbol	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
0301.1	< 10	0.28	0.059	0.011	7.02	5	6	3	0.03	7	< 2	< 10	46	< 10	3	7
0302.2	< 10	0.07	0.026	0.010	0.15	6	2	4	0.04	11	< 2	< 10	19	< 10	3	3
0302.3	< 10	0.03	0.028	0.006	0.04	2	< 1	2	< 0.01	15	< 2	< 10	5	< 10	1	1
9362.4	< 10	0.04	0.029	0.040	0.40	< 2	< 1	1	< 0.01	4	< 2	< 10	4	< 10	< 1	1

Analyte Symbol	Au	Th	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K
Unit Symbol	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	0.02	20	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01
Method Code	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas		< 20	25.0	2.0	1000	764	14	29	624	633	0.57	338	< 10	640	0.8	1320	0.79	6	6	19.7	< 10	3	0.03
GXR-1 Cert		2.44	31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90	0.050
GXR-4 Meas		< 20	3.6	< 0.5	7070	163	339	42	49	89	2.99	119	< 10	30	1.6	21	0.98	15	62	3.24	10	< 1	1.90
GXR-4 Cert		22.5	4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110	4.01
GXR-6 Meas		< 20	0.3	< 0.5	63	904	4	21	87	155	6.04	212	< 10	1350	0.9	< 2	0.30	12	73	4.80	10	< 1	1.02
GXR-6 Cert		5.30	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87
OxK110 Meas	3.46																						
OxK110 Cert	3.602																						
OXN117 Meas	7.65																						
OXN117 Cert	7.679																						
9362.4 Orig		< 20	< 0.2	< 0.5	244	82	12	42	3	12	0.08	3	< 10	31	< 0.5	40	0.11	23	248	1.25	< 10	< 1	0.02
9362.4 Dup		< 20	< 0.2	< 0.5	240	80	12	41	2	11	0.07	< 2	< 10	28	< 0.5	7	0.11	23	254	1.24	< 10	< 1	0.02
Method Blank	< 0.02																						
Method Blank		< 20	< 0.2	< 0.5	4	< 5	< 1	1	< 2	< 2	< 0.01	3	< 10	11	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01

Analyte Symbol	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas	< 10	0.15	0.077	0.039	0.18	74	1	189	< 0.01	9	< 2	30	76	134	22	20
GXR-1 Cert	7.50	0.217	0.0520	0.0650	0.257	122	1.58	275	0.036	13.0	0.390	34.9	80.0	164	32.0	38.0
GXR-4 Meas	56	1.76	0.162	0.131	1.79	4	7	88	0.15	9	< 2	< 10	93	20	13	11
GXR-4 Cert	64.5	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	0.970	3.20	6.20	87.0	30.8	14.0	186
GXR-6 Meas	10	0.40	0.118	0.029	0.02	3	19	42		< 1	< 2	< 10	154	< 10	6	12
GXR-6 Cert	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110
OxK110 Meas																
OxK110 Cert																
OXN117 Meas																
OXN117 Cert																
9362.4 Orig	< 10	0.04	0.029	0.040	0.40	< 2	< 1	1	< 0.01	4	< 2	< 10	4	< 10	< 1	1
9362.4 Dup	< 10	0.04	0.027	0.040	0.40	2	< 1	1	< 0.01	2	< 2	< 10	4	< 10	< 1	1
Method Blank																
Method Blank	< 10	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Date Submitted:	05-Jan-16
Invoice No.:	A16-00051 (i)
Invoice Date:	15-Jan-16
Your Reference:	

WARING MINERALS INC
520 RIVER RD
OTTAWA ON K1V 1E9
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

4 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1A3-50 Au - Fire Assay Gravimetric (QOP AA-Au)
Code 1E3 Aqua Regia ICP(AQUAGEO)

REPORT **A16-00051 (i)**

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN TM

ACTIVATION LABORATORIES LTD.

41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Th	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	g/tonne	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.02	0.03	20	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	FA-GRA	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
9363.5	< 0.02		< 20	< 0.2	< 0.5	14	119	3	4	< 2	12	0.13	29	< 10	15	< 0.5	< 2	0.05	4	6	0.67	< 10	< 1
9363.6	< 0.02		< 20	< 0.2	< 0.5	98	163	< 1	35	< 2	50	0.12	6	< 10	66	< 0.5	< 2	0.04	31	5	1.44	< 10	< 1
0305.7		< 0.03	< 20	0.2	< 0.5	11	61	2	3	3	21	0.64	5	< 10	23	< 0.5	4	0.11	2	3	0.48	< 10	< 1
0305.8	< 0.02		< 20	0.3	< 0.5	92	116	2	10	9	17	0.21	4	< 10	22	< 0.5	731	0.02	12	4	2.15	< 10	< 1

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
9363.5	0.01	< 10	0.11	0.040	0.004	< 0.01	< 2	< 1	2	0.01	1	< 2	< 10	5	< 10	< 1	1
9363.6	0.05	< 10	0.02	0.034	0.004	0.22	< 2	< 1	4	< 0.01	2	< 2	< 10	5	< 10	2	1
0305.7	0.15	< 10	0.05	0.254	0.007	< 0.01	< 2	< 1	13	< 0.01	1	< 2	< 10	3	< 10	1	7
0305.8	0.06	< 10	0.08	0.026	0.008	0.01	< 2	< 1	2	0.01	1	< 2	< 10	10	< 10	< 1	2

QC Activation Laboratories Ltd. Report: A16-00051

Analyte Symbol	Au	Au	Th	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	g/tonne	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.02	0.03	20	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	FA-GRA	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas			< 20	27.1	1.9	1100	819	13	29	638	657	0.57	332	11	462	0.8	1400	0.84	6	6	20.1	< 10	3
GXR-1 Cert			2.44	31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90
GXR-4 Meas			< 20	3.5	< 0.5	6920	156	344	40	48	75	2.87	114	< 10	31	1.5	26	0.94	15	60	3.20	10	< 1
GXR-4 Cert			22.5	4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110
GXR-6 Meas			< 20	0.4	< 0.5	70	1030	3	21	92	121	6.92	215	< 10	1450	1.0	< 2	0.24	13	78	5.23	20	< 1
GXR-6 Cert			5.30	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680
OxK110 Meas	3.46	3.46																					
OxK110 Cert	3.602	3.602																					
OXN117 Meas	7.65	7.65																					
OXN117 Cert	7.679	7.679																					
0305.8 Orig	< 0.02		< 20	0.3	< 0.5	92	116	2	10	9	17	0.21	4	< 10	22	< 0.5	731	0.02	12	4	2.15	< 10	< 1
0305.8 Dup	< 0.02		< 20	0.3	< 0.5	93	116	2	10	9	19	0.21	3	< 10	22	< 0.5	701	0.02	13	4	2.15	< 10	< 1
Method Blank	< 0.02	< 0.03																					
Method Blank			< 20	< 0.2	< 0.5	2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	11	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas	0.04	< 10	0.16	0.080	0.037	0.21	60	1	168	< 0.01	17	< 2	30	79	93	23	20
GXR-1 Cert	0.050	7.50	0.217	0.0520	0.0650	0.257	122	1.58	275	0.036	13.0	0.390	34.9	80.0	164	32.0	38.0
GXR-4 Meas	1.82	52	1.71	0.155	0.131	1.81	4	7	88	0.14	3	< 2	< 10	90	14	12	10
GXR-4 Cert	4.01	64.5	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	0.970	3.20	6.20	87.0	30.8	14.0	186
GXR-6 Meas	1.09	11	0.42	0.128	0.032	0.02	4	22	48		7	< 2	< 10	181	< 10	6	13
GXR-6 Cert	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110
OxK110 Meas																	
OxK110 Cert																	
OXN117 Meas																	
OXN117 Cert																	
0305.8 Orig	0.06	< 10	0.08	0.026	0.008	0.01	< 2	< 1	2	0.01	1	< 2	< 10	10	< 10	< 1	2
0305.8 Dup	0.06	< 10	0.09	0.026	0.008	0.01	< 2	< 1	2	0.01	< 1	< 2	< 10	10	< 10	< 1	1
Method Blank																	
Method Blank	< 0.01	< 10	< 0.01	0.015	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted:	21-Apr-16
Invoice No.:	A16-03449
Invoice Date:	16-May-16
Your Reference:	WCP

WARING MINERALS INC
520 RIVER RD
OTTAWA ON K1V 1E9
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

2 Heavy Mineral Concentrates samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A3-50 Au - Fire Assay Gravimetric (QOP AA-Au)

Code 1EPI/MS INAA(INAAGEO)/Aqua Regia ICP(AQUAGEO)/Aqua Regia Digestion ICP/MS

REPORT **A16-03449**

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

INAA report footnote: High Cu present in some samples may be causing suppression of INAA data.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga	Ge	Hg	K	Na	Sb	S	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm
Lower Limit	5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1	0.1	1	0.01	0.01	0.2	0.001	0.1
Method Code	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP	MULT INAA / AR-ICP-MS
9352.16.01	> 30000	311	100	< 0.5	1880	149	3	1190	19	9	< 100	> 1000	0.28	0.10	26.4	< 1	< 0.1	< 1	0.02	0.09	< 0.2	15.84	< 0.1
9367.16.01	275	1.6	7	< 0.5	1790	98	< 2	730	4	4	< 100	5.30	0.19	0.10	31.7	< 1	< 0.1	< 1	< 0.01	0.03	0.2	> 20.00	0.7

Analyte Symbol	Te	Tl	W	Mass	Au
Unit Symbol	ppm	ppm	ppm	g	g/tonne
Lower Limit	0.1	0.1	4		0.02
Method Code	AR-MS	AR-MS	INAA	INAA	FA-GRA
9352.16.01	1.1	0.8	< 4	2.32	4610
9367.16.01	0.3	1.0	< 4	2.48	0.19

Analyte Symbol	Au	Ag	Ag	As	Cd	Cu	Mn	Mo	Ni	Ni	Pb	Zn	Zn	Ba	Ba	Bi	Ca	Cs	Cs	Fe	Ga	Ge	Hg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	5	0.2	5	2	0.5	1	2	2	1	50	2	1	50	1	100	0.10	0.01	0.05	2	0.02	1	0.1	1
Method Code	INAA	AR-ICP	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	AR-ICP	AR-ICP	INAA	AR-ICP	INAA	AR-MS	AR-ICP	AR-MS	INAA	INAA	AR-MS	AR-MS	INAA
GXR-1 Meas	3210	27.6	29	424	1.3	1040	808	15	30	< 50	649	694	820	275	700	> 1000	0.77	3.00	< 2	25.2	3		3
GXR-1 Cert	3300	31.0	31.0	427	3.30	1110	852	18.0	41.0	41.0	730	760	760	750	750	1380	0.960	3.00	3.00	23.6	13.8		3.90
GXR-4 Meas		3.2			< 0.5	5960	138	315	38		47	68		67		28.1	0.87	2.70			12		
GXR-4 Cert		4.0			0.860	6520	155	310	42.0		52.0	73.0		1640		19.0	1.01	2.80			20.0		
GXR-6 Meas		0.3			< 0.5	61	1010	3	21		89	116		> 500		0.20	0.18	3.90			12		
GXR-6 Cert		1.30			1.00	66.0	1010	2.40	27.0		101	118		1300		0.290	0.180	4.20			35.0		
OxK110 Meas																							
OxK110 Cert																							
OXN117 Meas																							
OXN117 Cert																							
SdAR-M2 (U.S.G.S.) Meas																1.60		1.00			3		
SdAR-M2 (U.S.G.S.) Cert																1.05		1.82			17.6		
DMMAS 119 Meas	1860			1810											1300					3.51			
DMMAS 119 Cert	1754			1850											1252					3.59			
9367.16.01 Orig		1.6			< 0.5	1800	99	< 2	715		4	4		3		5.70	0.19	0.10			< 1	< 0.1	
9367.16.01 Dup		1.6			< 0.5	1780	98	< 2	746		4	5		4		4.90	0.19	0.10			< 1	< 0.1	
Method Blank		< 0.2			< 0.5	< 1	< 2	< 2	1		< 2	< 1		14		< 0.10	< 0.01	< 0.05			< 1	< 0.1	
Method Blank																							

Analyte Symbol	K	Na	Sb	S	Se	Se	Te	Tl	W	Au
Unit Symbol	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.01	0.2	0.001	0.1	3	0.1	0.1	4	0.02
Method Code	AR-ICP	INAA	INAA	AR-ICP	AR-MS	INAA	AR-MS	AR-MS	INAA	FA-GRA
GXR-1 Meas	0.03	0.05	117	0.194	15.6	< 3	14.5	0.4	163	
GXR-1 Cert	0.050	0.0520	122	0.257	16.6	16.6	13.0	0.390	164	
GXR-4 Meas	1.65			1.646	5.8		1.0	2.9		
GXR-4 Cert	4.01			1.77	5.60		0.970	3.20		
GXR-6 Meas	1.08			0.019	0.3		< 0.1	1.9		
GXR-6 Cert	1.87			0.0160	0.940		0.0180	2.20		
OxK110 Meas										3.65
OxK110 Cert										3.602
OXN117 Meas										7.80
OXN117 Cert										7.679
SdAR-M2 (U.S.G.S.) Meas										
SdAR-M2 (U.S.G.S.) Cert										
DMMAS 119 Meas		2.21	7.2							
DMMAS 119 Cert		2.11	7.9							
9367.16.01 Orig	< 0.01			> 20.00	0.9		0.3	1.0		0.20
9367.16.01 Dup	< 0.01			> 20.00	0.5		0.3	1.0		0.19
Method Blank	< 0.01			< 0.001	< 0.1		< 0.1	< 0.1		
Method Blank										< 0.02

Date Submitted:	12-Jul-16
Invoice No.:	A16-06645
Invoice Date:	15-Aug-16
Your Reference:	WCP

WARING MINERALS INC
209 Dutchmans Way
Nepean ON K2J 5W5
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

27 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A3 Au - Fire Assay Gravimetric (QOP AA-Au)
Code 1A3-50 Au - Fire Assay Gravimetric (QOP AA-Au)
Code 1C-Exp Fire Assay-ICP/MS
Code 1F2 Total Digestion ICP(TOTAL)

REPORT **A16-06645**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Pd	Pt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn
Unit Symbol	g/tonne	g/tonne	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm
Lower Limit	0.03	0.02	1	1	2	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1
Method Code	FA-GRA	FA-GRA	FA-MS	FA-MS	FA-MS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
9354.1		0.06				< 0.3	0.78	35	31	< 1	< 2	1.76	< 0.3	2	31	8	1.64	2	< 1	0.18	0.97	3	203
9981.1			< 1	< 1	< 2																		
9355.1		< 0.02																					
9367.1		0.30																					
9363.1		< 0.02																					
0302.1		0.70																					
0306.1		< 0.02																					
9389.1		< 0.02																					
9553.1.2.1		< 0.02																					
9351.1	< 0.03																						
9358.7.1	0.21																						
93612.1	< 0.03																						
0301.1	0.59																						
0304.1	0.10																						
9371.1	< 0.03																						
93614.1		< 0.02																					
0303.9.7.1		0.11																					
9372.1		< 0.02																					
9380.1		0.04																					
9401.1		0.13																					
9362.5.1		0.23																					
9404.1		< 0.02																					
0308.5.1		< 0.02																					
9957.8.1		< 0.02																					
2995.6		< 0.02																					
93615.1		0.14																					

Analyte Symbol	Mo	Na	Ni	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.01	1	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
9354.1	1	0.21	4	0.011	4	< 5	0.15	< 4	18	< 2	0.07	< 5	< 10	26	< 5	3	16	13
9981.1																		
9355.1																		
9367.1																		
9363.1																		
0302.1																		
0306.1																		
9389.1																		
9553.1.2.1																		
9351.1																		
9358.7.1																		
93612.1																		
0301.1																		
0304.1																		
9371.1																		
93614.1																		
0303.9.7.1																		
9372.1																		
9380.1																		
9401.1																		
9362.5.1																		
9404.1																		
0308.5.1																		
9957.8.1																		
2995.6																		
93615.1																		

Analyte Symbol	Au	Au	Pd	Pt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn
Unit Symbol	g/tonne	g/tonne	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm
Lower Limit	0.03	0.02	1	1	2	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1
Method Code	FA-GRA	FA-GRA	FA-MS	FA-MS	FA-MS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas						31.2	1.95	371	641	1	1350	0.86	1.5	9	11	1120	26.4	9	4	0.08	0.21	8	825
GXR-1 Cert						31.0	3.52	427	750	1.22	1380	0.960	3.30	8.20	12.0	1110	23.6	13.8	3.90	0.050	0.217	8.20	852
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas						3.8	5.66	99	249	2	51	1.08	< 0.3	15	45	6510	3.93	18	< 1	3.44	1.68	11	163
GXR-4 Cert						4.0	7.20	98.0	1640	1.90	19.0	1.01	0.860	14.6	64.0	6520	3.09	20.0	0.110	4.01	1.66	11.1	155
SDC-1 Meas							7.31	3	630	3		1.11		20	43	33	5.63	22	< 1	2.62	1.00	35	873
SDC-1 Cert							8.34	0.220	630	3.00		1.00		18.0	64.00	30.000	4.82	21.00	0.20	2.72	1.02	34.00	880.00
DNC-1a Meas									100					55	126	93		13				5	
DNC-1a Cert									118					57.0	270	100.00		15				5.20	
OxK110 Meas	3.62	3.59																					
OxK110 Cert	3.602	3.602																					
CDN-PGMS-24 Meas			5110	1130	852																		
CDN-PGMS-24 Cert			4880.00	1090.00	806.000																		
OXN117 Meas	7.71	7.74																					
OXN117 Cert	7.679	7.679																					
SdAR-M2 (U.S.G.S.) Meas									911	8	< 2		4.5	13	58	226		16	2			17	
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	12.4	49.6	236.0000		17.6	1.44			17.9	
9354.1 Orig						< 0.3	0.79	66	31	< 1	< 2	1.73	< 0.3	2	34	6	1.71	3	< 1	0.19	0.97	3	202
9354.1 Dup						< 0.3	0.76	4	31	< 1	< 2	1.78	< 0.3	2	29	11	1.56	2	< 1	0.17	0.98	3	204
9981.1 Orig			< 1	< 1	< 2																		
9981.1 Dup			< 1	< 1	2																		
9371.1 Orig	< 0.03																						
9371.1 Dup	< 0.03																						
Method Blank						< 0.3	0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		2	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1	
Method Blank						< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		4	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1	
Method Blank			< 1	< 1	< 2																		
Method Blank	< 0.03																						
Method Blank		< 0.02																					

Analyte Symbol	Mo	Na	Ni	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.01	1	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas	15	0.08	41	0.065	759	15	0.22	< 4	292	7	0.03	< 5	40	86	136	33	789	28
GXR-1 Cert	18.0	0.0520	41.0	0.0650	730	122	0.257	1.58	275	13.0	0.036	0.390	34.9	80.0	164	32.0	760	38.0
DH-1a Meas													2350					
DH-1a Cert													2629					
GXR-4 Meas	326	0.53	42	0.152	57	< 5	1.70	8	231	10	0.29	< 5	< 10	90	39	17	88	46
GXR-4 Cert	310	0.564	42.0	0.120	52.0	4.80	1.77	7.70	221	0.970	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186
SDC-1 Meas		1.60	36	0.063	36	< 5		17	184		0.28	< 5	30	60	< 5		110	34
SDC-1 Cert		1.52	38.0	0.0690	25.00	0.54		17.00	180.00		0.606	0.70	3.10	102.00	0.80		103.00	290.00
DNC-1a Meas			247		17	44		30	134		0.33			139		17	63	348
DNC-1a Cert			247		6.3	0.96		31	144.0		0.29			148.0000		18.0	70.0	38.0
OxK110 Meas																		
OxK110 Cert																		
CDN-PGMS-24 Meas																		
CDN-PGMS-24 Cert																		
OXN117 Meas																		
OXN117 Cert																		
SdAR-M2 (U.S.G.S.) Meas	12		50		836			4	143				< 10	25	11	29	835	118
SdAR-M2 (U.S.G.S.) Cert	13.3		48.8		808			4.1	144				2.53	25.2	2.8	32.7	760	259
9354.1 Orig	1	0.21	3	0.011	4	< 5	0.27	< 4	18	< 2	0.07	< 5	< 10	26	< 5	3	15	15
9354.1 Dup	1	0.21	4	0.010	4	< 5	0.04	< 4	18	< 2	0.07	< 5	< 10	26	< 5	3	17	11
9981.1 Orig																		
9981.1 Dup																		
9371.1 Orig																		
9371.1 Dup																		
Method Blank	< 1	< 0.01	< 1	< 0.001	< 3	< 5	0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 1	< 0.01	< 1	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank																		
Method Blank																		
Method Blank																		

Quality Analysis ... *Innovative Technologies*

Date Submitted:	04-Oct-16
Invoice No.:	A16-10206
Invoice Date:	18-Oct-16
Your Reference:	WCP

WARING MINERALS INC
209 Dutchmans Way
Nepean ON K2J 5W5
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

132 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A3-50 Au - Fire Assay Gravimetric (QOP AA-Au)

REPORT **A16-10206**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
9352.1.1 -1	< 0.02
9352.1.2 -1	< 0.02
CC9352.1.3 -1	< 0.02
9352.1.4 -1	< 0.02
9352.1.5 -1	< 0.02
CC9352.1.6 -1	< 0.02
9352.1.7 -1	< 0.02
352.1.8 -1	< 0.02
352.1.9 -1	< 0.02
CC9352.1.10 -1	< 0.02
9352.1.11 -1	0.27
9352.1.12 -1	0.20
CC9352.1.13 -1	< 0.02
9352.1.14 -1	< 0.02
9352.1.15 -1	0.03
9352.1.16 -1	0.07
9352.1.17 -1	0.07
93510.1.1 -1	< 0.02
93510.1.2 -1	< 0.02
93510.1.3 -1	< 0.02
93511.1.1 -1	< 0.02
9362.1.1 -1	< 0.02
9362.1.2 -1	< 0.02
0300.1.1 -1	< 0.02
0304.1.1 -1	< 0.02
03020.1.1 -1	< 0.02
0305.1.1 -1	< 0.02
03014.1.1 -1	< 0.02
9358.1.1 -1	< 0.02
9352.1.1 -2	< 0.02
9352.1.2 -2	< 0.02
CC9352.1.3 -2	< 0.02
9352.1.4 -2	< 0.02
9352.1.5 -2	< 0.02
CC9352.1.6 -2	< 0.02
9352.1.7 -2	< 0.02
352.1.8 -2	< 0.02
352.1.9 -2	< 0.02
CC9352.1.10 -2	0.10
9352.1.11 -2	< 0.02
9352.1.12 -2	1.82
CC9352.1.13 -2	0.07
9352.1.14 -2	< 0.02
9352.1.15 -2	< 0.02
9352.1.16 -2	< 0.02
9352.1.17 -2	< 0.02
93510.1.1 -2	< 0.02
93510.1.2 -2	< 0.02

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
93510.1.3 -2	< 0.02
93511.1.1 -2	< 0.02
9362.1.1 -2	< 0.02
9362.1.2 -2	< 0.02
0300.1.1 -2	< 0.02
0304.1.1 -2	< 0.02
03020.1.1 -2	< 0.02
0305.1.1 -2	0.07
03014.1.1 -2	< 0.02
9358.1.1 -2	0.03
9352.1.1 -3	< 0.02
9352.1.2 -3	< 0.02
CC9352.1.3 -3	< 0.02
9352.1.4 -3	< 0.02
9352.1.5 -3	< 0.02
CC9352.1.6 -3	< 0.02
9352.1.7 -3	< 0.02
352.1.8 -3	< 0.02
352.1.9 -3	< 0.02
CC9352.1.10 -3	< 0.02
9352.1.11 -3	0.10
9352.1.12 -3	0.10
CC9352.1.13 -3	< 0.02
9352.1.14 -3	0.43
9352.1.15 -3	< 0.02
9352.1.16 -3	< 0.02
9352.1.17 -3	< 0.02
93510.1.1 -3	< 0.02
93510.1.2 -3	< 0.02
93510.1.3 -3	< 0.02
93511.1.1 -3	< 0.02
9362.1.1 -3	< 0.02
9362.1.2 -3	< 0.02
0300.1.1 -3	< 0.02
0304.1.1 -3	< 0.02
03020.1.1 -3	< 0.02
0305.1.1 -3	< 0.02
03014.1.1 -3	< 0.02
9358.1.1 -3	0.07
9983.1.1-1	< 0.02
93626.1.1-1	< 0.02
93719.1.1-1	< 0.02
93718.1.1-1	< 0.02
9983.1.1-2	< 0.02
93626.1.1-2	< 0.02
93719.1.1-2	< 0.02
93718.1.1-2	< 0.02
9983.1.1-3	< 0.02

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
93626.1.1-3	< 0.02
93719.1.1-3	< 0.02
93718.1.1-3 not a sample	

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.02
Method Code	FA-GRA
OxK110 Meas	3.62
OxK110 Cert	3.602
OxK110 Meas	3.62
OxK110 Cert	3.602
OxK110 Meas	3.48
OxK110 Cert	3.602
OXN117 Meas	7.60
OXN117 Cert	7.679
OXN117 Meas	7.43
OXN117 Cert	7.679
OXN117 Meas	7.67
OXN117 Cert	7.679
CC9352.1.10 -1 Orig	< 0.02
CC9352.1.10 -1 Dup	< 0.02
93510.1.3 -1 Orig	< 0.02
93510.1.3 -1 Dup	< 0.02
9352.1.1 -2 Orig	< 0.02
9352.1.1 -2 Dup	< 0.02
9352.1.16 -2 Orig	< 0.02
9352.1.16 -2 Dup	< 0.02
03020.1.1 -2 Orig	< 0.02
03020.1.1 -2 Dup	< 0.02
9352.1.7 -3 Orig	< 0.02
9352.1.7 -3 Dup	< 0.02
9362.1.1 -3 Orig	< 0.02
9362.1.1 -3 Dup	< 0.02
93719.1.1-1 Orig	< 0.02
93719.1.1-1 Dup	< 0.02
Method Blank	< 0.02
Method Blank	< 0.02
Method Blank	< 0.02
Method Blank	< 0.02
Method Blank	< 0.02
Method Blank	< 0.02

Quality Analysis ... *Innovative Technologies*

Date Submitted:	02-Nov-16
Invoice No.:	A16-11500
Invoice Date:	02-Dec-16
Your Reference:	WCP

WARING MINERALS INC
209 Dutchmans Way
Nepean ON K2J 5W5
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

4 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A3 Au - Fire Assay Gravimetric (QOP AA-Au)

Code 1EPI/MS INAA(INAAGEO)/Aqua Regia ICP(AQUAGEO)/Aqua Regia Digestion ICP/MS

REPORT **A16-11500**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Ag	As	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Ba	Bi	Ca	Cs	Fe	Ga	Ge	Hg	K	Na	Sb	S
Unit Symbol	g/tonne	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	%	ppm	%
Lower Limit	0.03	5	0.2	2	0.5	1	2	2	1	2	1	100	0.10	0.01	0.05	0.02	1	0.1	1	0.01	0.01	0.2	0.001
Method Code	FA-GRA	INAA	MULT INAA / AR-ICP	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	MULT INAA / AR-ICP	AR-ICP	MULT INAA / AR-ICP	MULT INAA / AR-ICP	AR-MS	AR-ICP	MULT INAA / AR-ICP-MS	INAA	AR-MS	AR-MS	INAA	AR-ICP	INAA	INAA	AR-ICP
93526	< 0.03																						
F9382		< 5	< 0.2	< 2	< 0.5	5	2890	< 2	68	< 2	253	< 100	< 0.10	0.11	0.19	17.2	16	< 0.1	< 1	0.01	0.04	0.2	0.010
9352.12	29.3																						
0717	0.54																						

Analyte Symbol	Se	Te	Tl	W	Mass
Unit Symbol	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	0.1	0.1	4	
Method Code	MULT INAA / AR-ICP-MS	AR-MS	AR-MS	INAA	INAA
93526					
F9382	< 0.1	< 0.1	0.2	< 4	31.0
9352.12					
0717					

Analyte Symbol	Au	Au	Ag	Ag	As	Cd	Cu	Mn	Mo	Ni	Ni	Pb	Zn	Zn	Ba	Ba	Bi	Ca	Cs	Cs	Fe	Ga	Ge
Unit Symbol	g/tonne	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.03	5	0.2	5	2	0.5	1	2	2	1	50	2	1	50	1	100	0.10	0.01	0.05	2	0.02	1	0.1
Method Code	FA-GRA	INAA	AR-ICP	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	AR-ICP	AR-ICP	INAA	AR-ICP	INAA	AR-MS	AR-ICP	AR-MS	INAA	INAA	AR-MS	AR-MS
GXR-1 Meas			27.7			1.7	1060	793	14	31		660	670		384		> 1000	0.77	2.69			< 1	
GXR-1 Cert			31.0			3.30	1110	852	18.0	41.0		730	760		750		1380	0.960	3.00			13.8	
GXR-1 Meas			28.9			1.8	1130	845	14	33		689	696		453			0.80					
GXR-1 Cert			31.0			3.30	1110	852	18.0	41.0		730	760		750			0.960					
GXR-4 Meas			3.4			< 0.5	6260	146	308	38		44	68		33		16.8	0.90	2.29			10	
GXR-4 Cert			4.0			0.860	6520	155	310	42.0		52.0	73.0		1640		19.0	1.01	2.80			20.0	
GXR-4 Meas			3.5			< 0.5	6190	152	308	38		56	80		39			0.91					
GXR-4 Cert			4.0			0.860	6520	155	310	42.0		52.0	73.0		1640			1.01					
GXR-6 Meas			0.4			< 0.5	66	1090	< 2	22		109	124		> 500		0.15	0.17	3.68			7	
GXR-6 Cert			1.30			1.00	66.0	1010	2.40	27.0		101	118		1300		0.290	0.180	4.20			35.0	
GXR-6 Meas			0.3			< 0.5	69	1110	< 2	22		108	126		> 500			0.17					
GXR-6 Cert			1.30			1.00	66.0	1010	2.40	27.0		101	118		1300			0.180					
OREAS 45d (Aqua Regia) Meas																	0.29					16	
OREAS 45d (Aqua Regia) Cert																	0.30					17.9	
OxK110 Meas	3.49																						
OxK110 Cert	3.602																						
OxK110 Meas	3.45																						
OxK110 Cert	3.602																						
OXN117 Meas	7.44																						
OXN117 Cert	7.679																						
OXN117 Meas	7.69																						
OXN117 Cert	7.679																						
SdAR-M2 (U.S.G.S.) Meas						5.5	249		14	48		896	839		138		0.98		0.98			3	
SdAR-M2 (U.S.G.S.) Cert						5.1	236.0000		13.3	48.8		808	760		990		1.05		1.82			17.6	
DMMAS 120 Meas		751			1900											900					3.60		
DMMAS 120 Cert		727			1790											1270					3.54		
93526 Orig	< 0.03																						
93526 Dup	0.18																						
F9382 Orig			< 0.2			< 0.5	5	2920	< 2	70		< 2	258		93		< 0.10	0.12	0.19			16	< 0.1
F9382 Dup			< 0.2			0.6	6	2860	< 2	67		< 2	248		88		< 0.10	0.10	0.19			16	< 0.1
Method Blank			< 0.2			< 0.5	< 1	< 2	< 2	< 1		< 2	< 1		12		< 0.10	< 0.01	< 0.05			< 1	< 0.1
Method Blank			< 0.2			< 0.5	< 1	< 2	< 2	< 1		< 2	< 1		10			< 0.01					
Method Blank			< 0.2			< 0.5	< 1	< 2	< 2	< 1		< 2	< 1		12			< 0.01					
Method Blank	< 0.03																						
Method Blank		< 5		< 5	< 2						< 50			< 50		< 100				< 2	< 0.02		
Method Blank	< 0.03																						
Method Blank	< 0.03																						

Analyte Symbol	Hg	K	Na	Sb	S	Se	Se	Te	Tl	W	Mass
Unit Symbol	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	1	0.01	0.01	0.2	0.001	0.1	3	0.1	0.1	4	
Method Code	INAA	AR-ICP	INAA	INAA	AR-ICP	AR-MS	INAA	AR-MS	AR-MS	INAA	INAA
GXR-1 Meas		0.03			0.201	21.2		14.7	0.3		
GXR-1 Cert		0.050			0.257	16.6		13.0	0.390		
GXR-1 Meas		0.03			0.214						
GXR-1 Cert		0.050			0.257						
GXR-4 Meas		1.63			1.580	5.5		0.9	2.5		
GXR-4 Cert		4.01			1.77	5.60		0.970	3.20		
GXR-4 Meas		1.63			1.595						
GXR-4 Cert		4.01			1.77						
GXR-6 Meas		1.09			0.060	< 0.1		< 0.1	1.7		
GXR-6 Cert		1.87			0.0160	0.940		0.0180	2.20		
GXR-6 Meas		1.11			0.056						
GXR-6 Cert		1.87			0.0160						
OREAS 45d (Aqua Regia) Meas											
OREAS 45d (Aqua Regia) Cert											
OxK110 Meas											
OxK110 Cert											
OxK110 Meas											
OxK110 Cert											
OXN117 Meas											
OXN117 Cert											
OXN117 Meas											
OXN117 Cert											
SdAR-M2 (U.S.G.S.) Meas											
SdAR-M2 (U.S.G.S.) Cert											
DMMAS 120 Meas			2.02	7.7							
DMMAS 120 Cert			2.16	7.30							
93526 Orig											
93526 Dup											
F9382 Orig		0.02			0.012	< 0.1		< 0.1	0.2		
F9382 Dup		0.01			0.009	< 0.1		< 0.1	0.2		
Method Blank		< 0.01			< 0.001	< 0.1		< 0.1	< 0.1		
Method Blank		< 0.01			< 0.001						
Method Blank		< 0.01			< 0.001						
Method Blank											
Method Blank	< 1		< 0.01	< 0.2			< 3			< 4	30.0
Method Blank											
Method Blank											

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted:	14-Dec-16
Invoice No.:	A16-13438
Invoice Date:	16-Dec-16
Your Reference:	WCP

WARING MINERALS INC
209 Dutchmans Way
Nepean ON K2J 5W5
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

4 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2 Au - Fire Assay AA

REPORT **A16-13438**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
0711	35
0712	44
0717	< 5
03058	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 251(FA-Anaster) Meas	508
OREAS 251(FA-Anaster) Cert	504
OREAS 16A (FA-Ancaster) Meas	1820
OREAS 16A (FA-Ancaster) Cert	1810
0711 Orig	8
0711 Dup	61
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted:	29-Dec-16
Invoice No.:	A16-13955
Invoice Date:	08-Feb-17
Your Reference:	WCP

WARING MINERALS INC
209 Dutchmans Way
Nepean ON K2J 5W5
Canada

ATTN: ROBERT WARING

CERTIFICATE OF ANALYSIS

7 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A3 Au - Fire Assay Gravimetric (QOP AA-Au)
Code 8-4 Acid Total Dig-ICPMS Code 8-4 Acid Total Digestion ICPMS Assays

REPORT **A16-13955**

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Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Au	Bi
Unit Symbol	g/tonne	%
Lower Limit	0.03	0.0001
Method Code	FA-GRA	4Acid ICPMS
9354127	0.17	
93517	< 0.03	
9382		< 0.0001
03049	< 0.03	
93541	< 0.03	
9402	< 0.03	
93527	1.08	

Analyte Symbol	Au	Bi
Unit Symbol	g/tonne	%
Lower Limit	0.03	0.0001
Method Code	FA-GRA	4Acid ICPMS
GXR-1 Meas		0.127
GXR-1 Cert		0.138
GXR-4 Meas		0.0017
GXR-4 Cert		0.00190
MP-1b Meas		0.0846
MP-1b Cert		0.0954
OxK110 Meas	3.60	
OxK110 Cert	3.602	
OxK110 Meas	3.59	
OxK110 Cert	3.602	
OxK110 Meas	3.44	
OxK110 Cert	3.602	
OXN117 Meas	7.38	
OXN117 Cert	7.679	
OXN117 Meas	7.41	
OXN117 Cert	7.679	
OXN117 Meas	7.47	
OXN117 Cert	7.679	
9382 Orig		< 0.0001
9382 Dup		< 0.0001
Method Blank	< 0.03	
Method Blank		< 0.0001
Method Blank	< 0.03	
Method Blank	< 0.03	

Geological Assessment of the Waring Creek Gold Property,

Lennox-Addington Township, Ontario

for

Robert Waring

SUMMARY

The Waring Creek property is located in a region long-known for its many gold occurrences and the underlying geology of the property is certainly favourable for additional discoveries of auriferous orogenic quartz veins in a greenstone belt setting. The history of exploration and mining in the region, however, has proven that the deposits discovered in the past were small and would likely be unprofitable in the modern mining context. For that reason, it is also important to explore the property with a minimum economic target in mind and this demands that the search be broadened for discovery of a relatively large and high-grade vein or vein system, the potential value of which ultimately can only be established by expensive diamond drilling. It is likely that the bulk of a deposit of this size would be unexposed beneath glacial overburden so it is unlikely direct discovery will result solely from prospecting: a better strategy, therefore, would be to focus the field effort toward identifying specific targets which ultimately can be tested adequately by more advanced exploration methods and diamond drilling under option or joint-venture agreement with another party in the future. The identification of such targets can be achieved by carrying out a systematic prospecting program along the sixteen kilometer-long corridor of claims straddling the Partridge Creek Shear Zone. Systematic grab samples of all vein and sulfide-bearing materials should be collected and analysed for gold plus a suite of pathfinder trace elements – veins containing high arsenic and or antimony should be given low priority for further work. At each sample site it will be critical to note the host rock, structural features and intensity of carbonate alteration to link with assay results and to help establish the geological model for the property and the potential lateral extent of targets. Promising areas should be further excavated where possible and subjected to rigorous sampling with a minimum of three, one meter-long, channel samples along any transect across the vein(s) subjected to conventional fire assay. The geological principles of orogenic gold quartz-vein systems globally should be used to evaluate the prospecting results to identify targets worthy of more advanced and expensive methods of exploration. Particular emphasis should be placed on identifying second-order structures such as shear zones or structurally and chemically favourable lithological contacts adjacent to the first-order Partridge Creek Shear Zone giving priority to areas where extensive carbonate alteration can be identified.

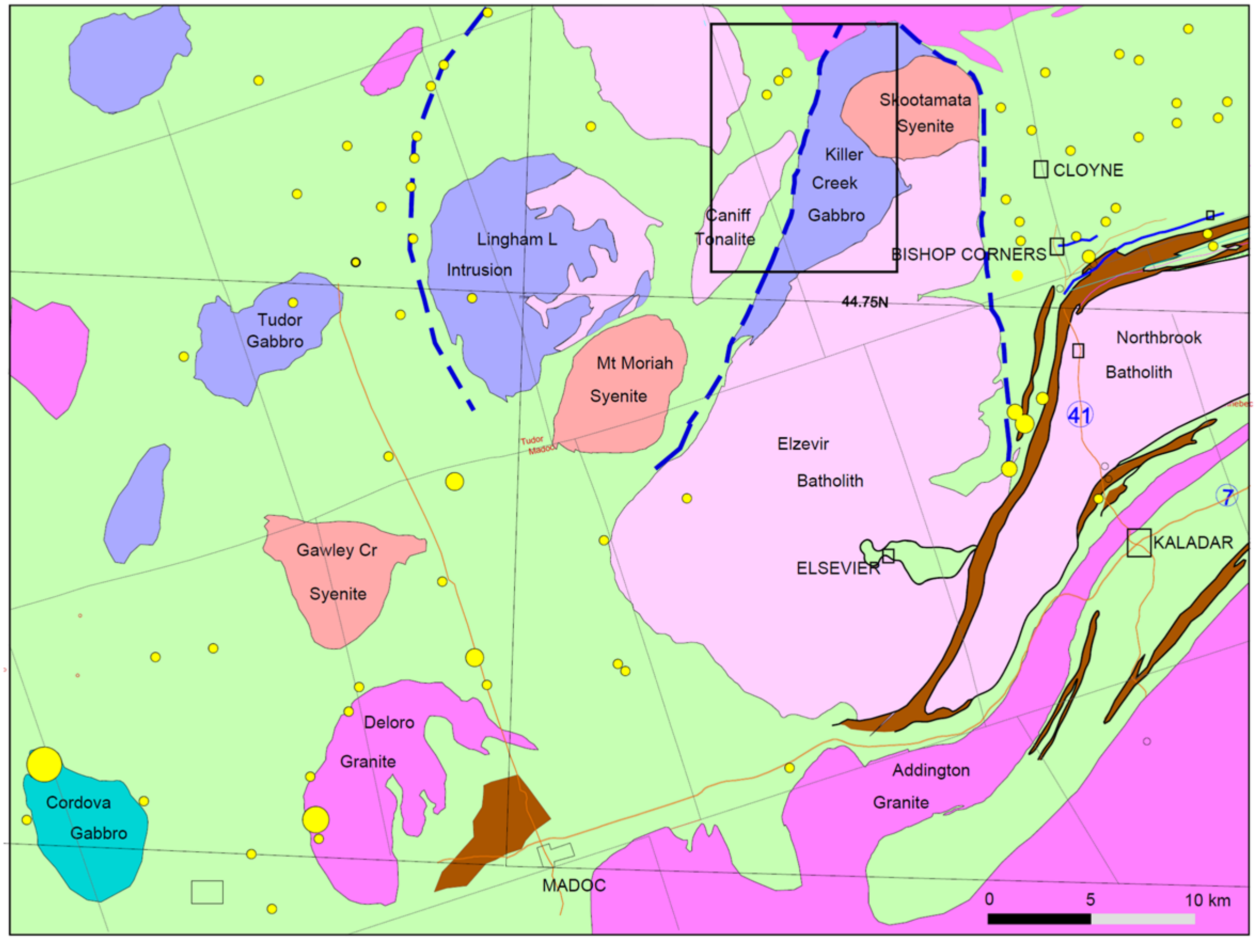

Figure 1: *Sketch of the main geological features of Madoc-Kaladar Gold District. The areas in green are underlain by metavolcanic and metasedimentary rocks and rocks of the Flinton Group are shown in dark brown. Shades of pink and blue indicate intrusive rocks, many of which are labelled according to type. Dashed blue lines represent faults and shear zones. Selected gold occurrences are shown as filled yellow circles. The rectangle located in the north central part of the district outlines the area containing the Waring Creek property as shown in greater detail in Figure 4.*

INTRODUCTION

The Waring Creek property is located approximately 12 km west of the village of Cloyne, Ontario in the historic Madoc-Kaladar gold district and underlain by rocks which comprise a middle-Proterozoic granite-greenstone belt within the Grenville Structural Province of the Canadian Shield (Fig. 1). Exploration in the district dates back to 1866 when gold was discovered at the Richardson farm north of Madoc and briefly exploited as the Richardson Mine around which the village of Eldorado sprung up. The Hastings-Madoc gold rush, the first in Ontario, ensued and prospectors discovered gold at additional localities, most notably at Deloro (1868) and Cordova (1890) west of Madoc. Gold production from the district as whole has proven to be small with the largest production of approximately 23,000 ounces from Cordova area between 1892 and 1940 (Carter and Colvine, 1985). There is evidence that the district was explored intermittently with a concentration of effort in the 1930's and the mid-1980's at times of dramatic increase in the price of gold. The many gold occurrences in the district have been described by several authors (Carter and Colvine, 1985; Harnois and Moore, 1989; Easton and Fyon, 1992; Easton, 2004) and their characteristics coincide well with what are commonly termed “orogenic gold deposits” worldwide (Groves et al., 1998).

The author was engaged by Robert Waring to provide geological advice regarding his prospecting program on the Waring Creek property and a visit was made to the site on September 26, 2016. This report builds on observations made at that time, supplemented by data provided by Mr. Waring, published geological reports on the area and the author’s general experience on gold in greenstone belts globally.

GEOLOGICAL SETTING

The Waring Creek property is located in a unique portion of the Grenville Province which in the past was termed the “Hastings Low” to indicate an area of approximately 50 km in diameter (Fig. 1) in which greenschist facies metamorphic rocks formed at lower temperatures and pressures than in adjacent areas. Higher grade amphibolite facies metamorphic rocks dominate even a few 10’s of kilometers to the east and west. Throughout much of the Grenville Province as a whole even higher grade granulite facies rocks are common so that, relative to the norm, rocks of the gold district are reasonably well preserved and provide evidence of their volcanic, intrusive and sedimentary origins (Fig. 2) to form a fairly typical granite-greenstone belt.

The oldest rocks in the district are dominantly volcanic in origin. Easton (2004) has divided these rocks into two groups: an older primitive Caniff complex including gabbroic intrusions and a younger Grimsthorpe Group. The Grimsthorpe Group itself has been divided historically (Harnois and Moore, 1991) into: the mafic and tholeiitic Tudor formation (Fig. 3a) which is overlain by the mafic to felsic Mazinaw Lake formation and the calc-alkaline mafic to intermediate Kashwakamak formation. This progression from more mafic and primitive early volcanism to more felsic and evolved volcanism is common in greenstone belts of all ages. The significance for gold exploration is that tholeiitic mafic rocks on average are thought to be more prospective than their calc-alkaline counterparts because of their proportionately higher iron content which may be beneficial because of their ready chemical interaction with gold-bearing fluids. It is noteworthy that many of the intrusive rocks in the district are arguably synvolcanic and subvolcanic, in other words of broadly comparable ages as the volcanic rocks they cut. These include the Lingham Lake and Killer Creek gabbroic bodies and the Elzevir (Fig. 3b) and Caniff suite tonalities. The significance is that syn-volcanic gabbros and tonalite bodies in greenstone belts in general are also permissive hosts for orogenic gold mineralization. A somewhat younger set of mafic to felsic intrusions include the Cordova gabbro and the Deloro granite: once again the more mafic of these, the gabbros, are preferred from the perspective of prospecting, however, owing to their higher relative iron content (see below). A NE-trending belt of late, syenitic intrusions (Gawley Creek, Mount Moriah, Skootamata) is significantly younger than the rest.

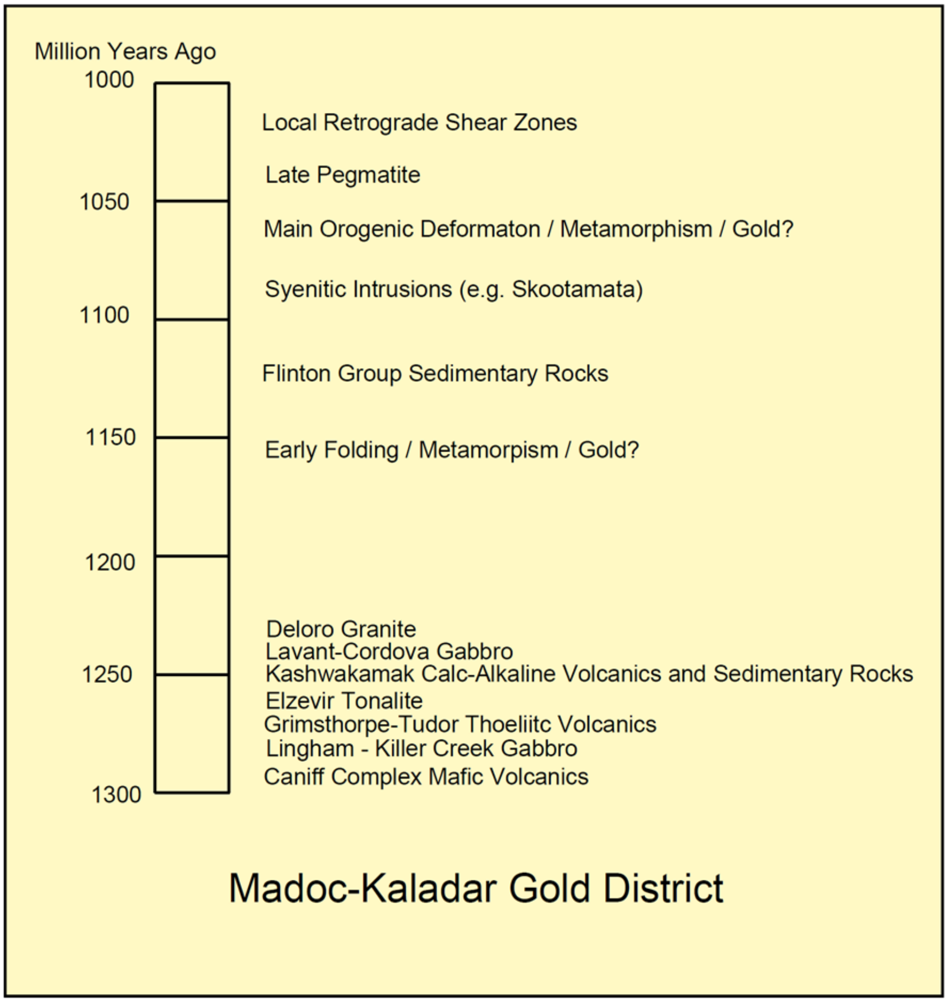

Figure 2: *Geological History of the Madoc-Kaladar District. Although the majority of rocks formed between 1240 and 1290 million years ago the gold deposits are likely related to younger orogenic events including deposition of the Flinton Group sedimentary rocks, emplacement of syenitic intrusions, metamorphism and brittle-ductile deformation.*

The youngest supracrustal rocks in the district belong to the Flinton Group (Moore and Thompson, 1980) composed mainly of clastic metasedimentary rocks including distinctive conglomerate units some of which contain clasts of tonalite thought to be derived from the Elzevir nearby Elzevir intusion (Fig. 3c). The Flinton Group is exposed in narrow NE-striking synclinal bands (Fig. 1) and it has been suggested (Moore and Thompson, 1980) that their distribution and internal composition was controlled by basin-bounding structures. The Flinton sedimentary rocks are important from several points of view. Perhaps the most important from a practical standpoint is that they are comparable to late, structurally controlled conglomeratic sedimentary units that occur with remarkable regularity on gold districts in Precambrian greenstone belts worldwide (e.g. the Timiskaming of the Abitibi, the Kurrawang of western Australin, and the Tarkwaian of western Africa). Their significance in these cases, as for the Flinton Group, is that they were deposited in part in by rivers flowing on an erosional surface after the underlying rocks had been folded. By the same token, however, the Flinton metasedimentary rocks themselves are metamorphosed and strongly deformed by the dominant younger tectonic events that resulted in the modern day map pattern for the district: it is this deformation which appears to account for the localization of orogenic gold deposits and occurrences. Given the map pattern and the structural history of the Flinton Group (Moore and Thompson, 1980) this deformation resulted from shortening of the rocks across the now dominant NE structural grain which is defined by fold traces and shear zones of that orientation. In the case of major shear zones (Fig. 1) this would be consistent with a predictable reverse component movement in a contractional structural regime.

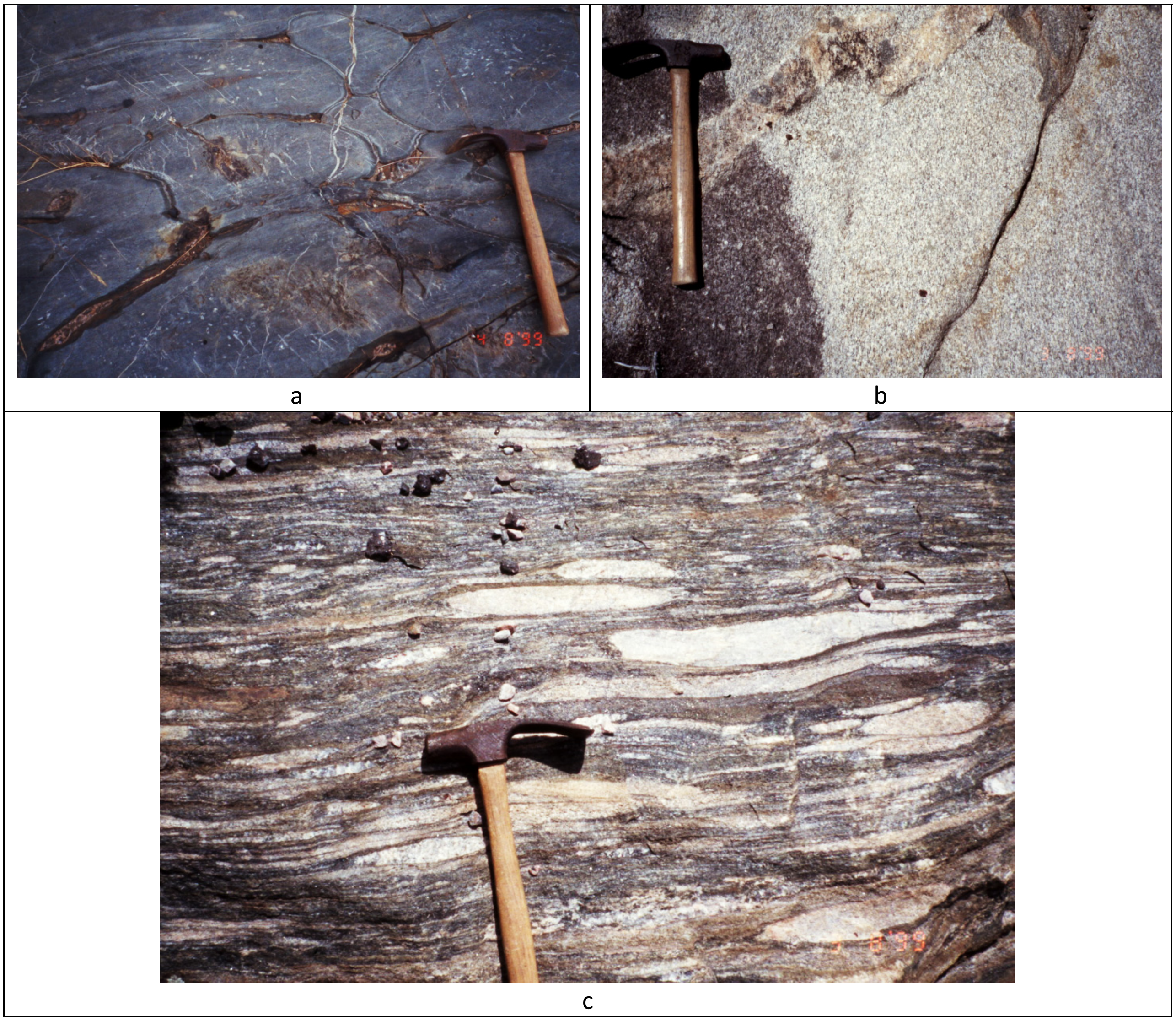

Figure 3: *Major rock types in the Kaladar-Cloyne area: a) pillowed metabasalt of the Tudor formation at Bishop Corners; b) Elzevier tonalite near Elzevir; c) the Kaladar conglomerate (Flinton Group) containing tonalite clasts, highway 41 north of Kaladar.*

PROPERTY GEOLOGY

The main geological features pertinent to the Waring Creek property are shown on figure 4. Although the claim block is large, only a small portion of the property was examined at eight outcrop localities near the main showing west of the Partridge Creek Shear Zone (Fig. 5). H. Dowhaluk held a 12-claim block in this area in 1989-90 and conducted geological mapping, ground VLF EM and ground magnetic surveys (Dowhaluk, 1990). At that time he discovered a narrow quartz vein in outcrop in a gravel pit (the main showing) adjacent to the Hughes Landing road and obtained six assays which ranged from nil to 20 g/t Au (Dowhaluk, 1990). Since then a 13 g/t assay has been reported from the north showing and 1 g/t from a vein at the south showing and a 66 g/t assay was obtained at the main showing (R. Waring data). The area was mapped by Easton (2001).

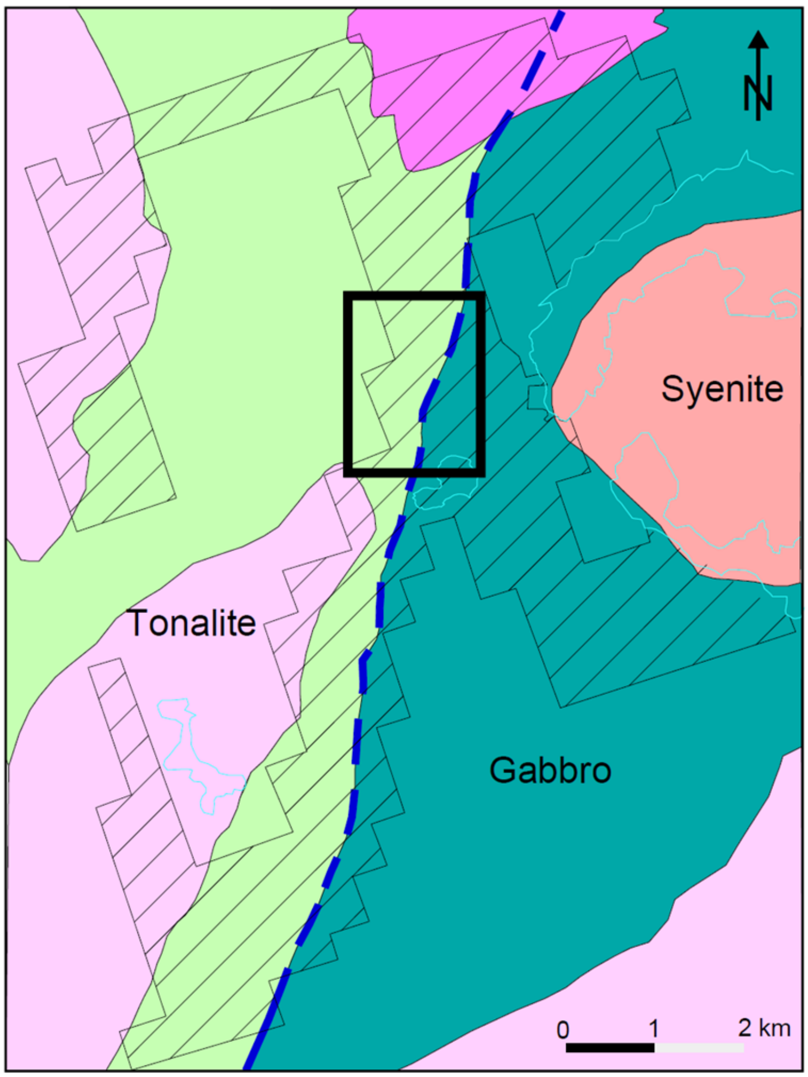

__Figure 4:__ Simplified geology of the Waring Creek property (after Easton, 2001). The extent of the main part of the property is shown by diagonal hatch and the area of figure 5 is shown by a rectangle in the north-central part of the property. The size of the property has been since expanded even further.

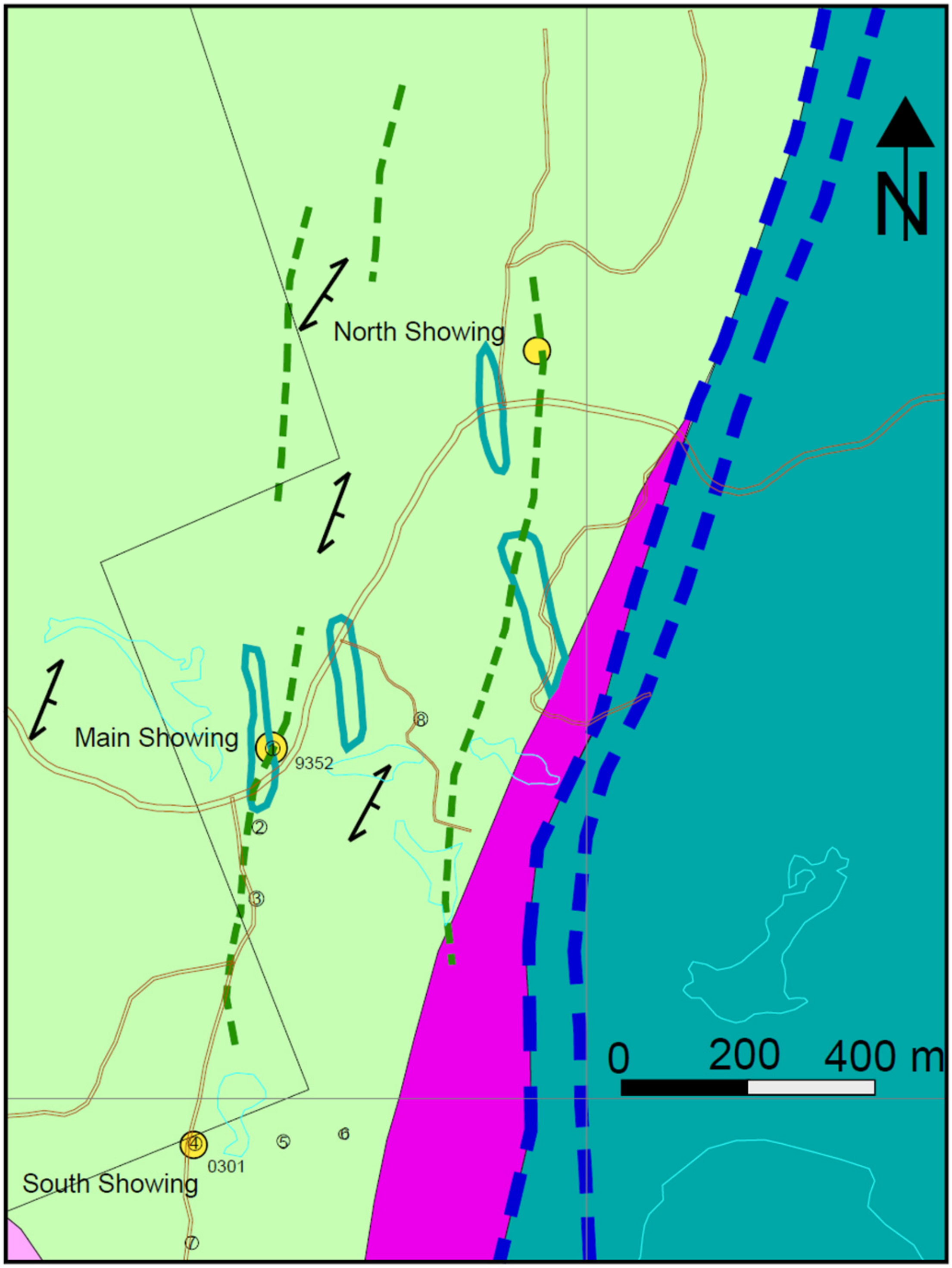

Figure 5: *Simplified sketch of the geology of the area examined during the site visit. Geological contacts from Easton (2001). The trace of the Partridge Creek Shear Zone is shown by dashed blue lines. Dark green dashed lines represent VLF EM conductors and the areas enclosed by teal blue lines are positive magnetic anomalies from Dowhaluk (1990). The area shown in majenta contains protomylonitic gabbroic and talcose rocks. Numbered spots were visited.*

For the most part the claim block straddles the prominent NNE striking sinuous Partridge Creek Shear Zone which is a first-order structural feature in this area (Fig. 4). According to Easton (2001) this structure separates the metavolcanic rocks of the Grimsthorpe Group to the west from the Killer Creek gabbro to the east. In places (Fig. 5) Easton also noted protomylonitic gabbroic and talcose rocks which he assigned to the older Caniff Complex but which also could represent deformed phases of the Killer Creek gabbro. In either case, the implication is that the property straddles a significant shear zone. The rocks examined in this area belong to the Grimsthorpe Group intruded by numerous small mafic and felsic intrusions and most are foliated to some degree. The gabbroic rocks (UTM NAD 83 315469E, 4966654N) provide a clear illustration of the variations in intensity of foliation from place to place (Fig. 6a) suggesting there are local second- and third-order shear zones within the volcanic sequence. The volcanic sequence has not been mapped in sufficient detail to outline internal stratigraphy but some inference can be drawn from the geophysical data reported by Dowhaluk (1990). Although VLF electromagnetic surveys commonly respond to muddy stream beds, lakes and ponds, there are several anomalies (dashed green lines, Figure 5) which are likely bedrock conductors. The magnetic relief is for the most part low but there are a few positive anomalies (teal blue outlines on Figure 5) which have N-S trends. Dowhaluk (1990) interpreted the more persistent electromagnetic anomalies to be due to sulfide-bearing interflow sedimentary units in an otherwise mafic volcanic sequence with some overprinting shear deformation. Inasmuch as the trends of the magnetic anomalies are slightly discordant to the EM trends, they may represent small bodies of intrusive diorite or gabbro within the volcanic package. An alternative interpretation, however, would be that the anomalous magnetic domains actually represent the predominant stratigraphic trend (i.e. they are concordant sills in the sequence) and the electromagnetic anomalies discordant shear zones. In either case the electromagnetic anomalies represent second-order structures at the property scale and likely intersect in 3-dimensions with the first order Partridge Creek Shear Zone.

The three known gold occurrences (Fig. 5) appear to be located adjacent to a bend in the first-order Partridge Creek Shear Zone, have a spatial connection with the VLF anomalies and in detail are represented by quartz veins in a variety of orientations (i.e. they can be considered third-order structural features). At the main showing, it is clear the veins are thin, sharp-walled and of short lateral extent. They can be interpreted to be extensional in nature and dip approximately 35 degrees to the NE, roughly perpendicular to foliation. If the veins and foliation are both related to a NNE striking and eastward dipping shear zone (i.e. the Partridge Creek or a related second-order structure) these observations are consistent with a SE to NW directed contraction and an oblique reverse movement on such a shear zone(see Fig 7a, below). Veins were examined at several other localities and they have a range of thicknesses and orientations. At the south showing a NE striking and SE dipping, half-meter thick, laminated quartz vein (Fig. 6b) was observed to be at a low angle to foliation and potentially could be an example of a fault-fill vein (Fig. 7a). In general such veins are more attractive prospecting targets because of their greater possibility of having reasonable lateral and down-dip extent. Folded quartz veins were also observed to the south of the south showing: this may be due to either progressive dynamic deformation in a shear zone setting or alternatively to deformation of older, unrelated quartz veins.

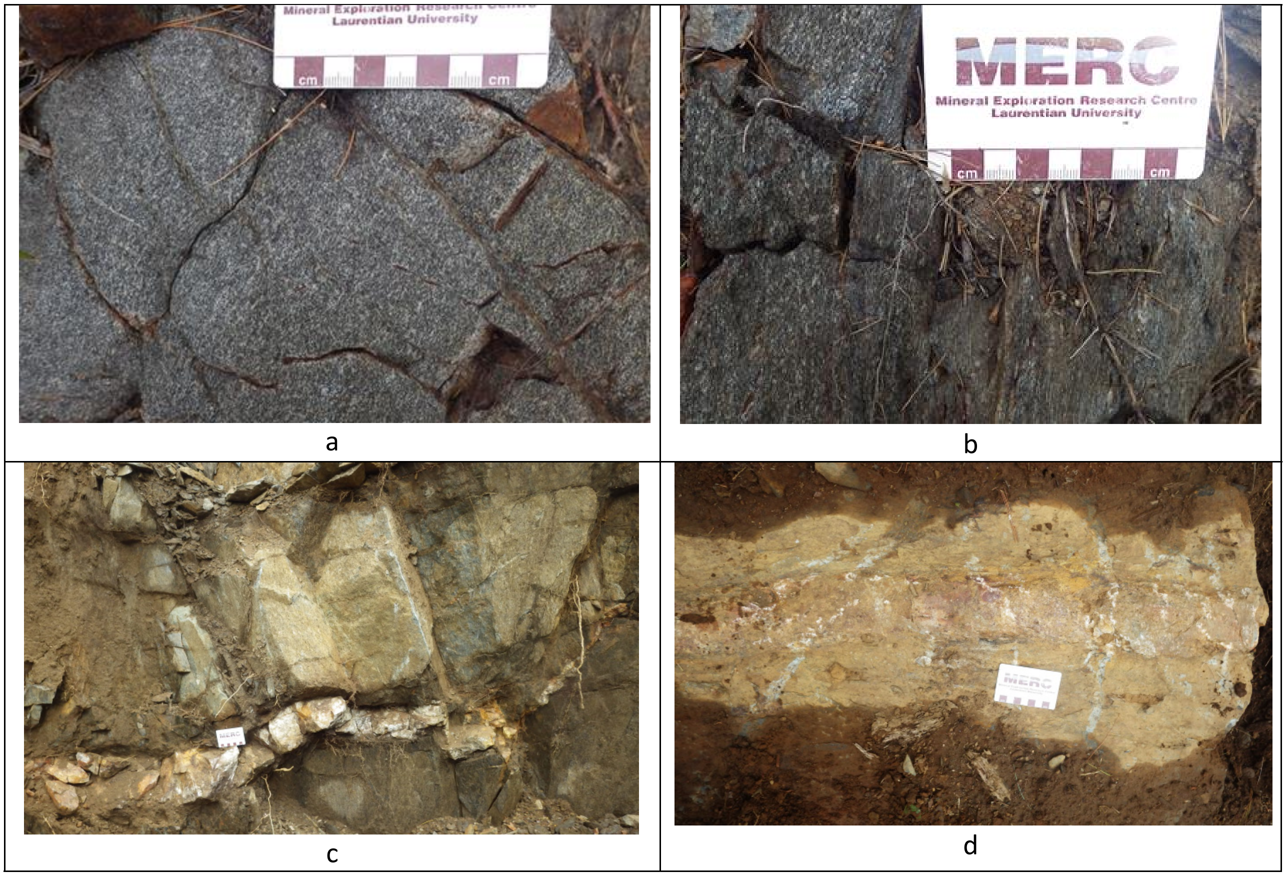

Figure 6: *Geological Features at the Waring Creek property: a) equigranular metagabbro within the volcanic sequence; b) progressive deformation of the metagabbro with increasing intensity of foliation from left to right (looking northward in cross-section); c) shallow-dipping extensional quartz-vein at high angle to foliation, gravel-pit showing; d) foliation-parallel quartz vein approximately 500 meters south of the main showing.*

APPLICATION OF THE OROGENIC GOLD MODEL TO PROSPECTING

The orogenic model for gold deposits in greenstone belts was put forward by geologists (Groves et al., 1998) to account for their recurring geological features with a view to apply them in a predictive ways to mineral exploration. There are many geological aspects to the model but three of them are highlighted here because, based on the geological features described above, they are applicable to effective prospecting of the Waring Creek property: host rocks, structure and alteration.

Experience shows that gold can occur in virtually all of the rock types commonly encountered in a greenstone belt but certain ones tend to be more common in deposits of higher economic status. The two factors that are thought to make some rocks to be more productive than others are their ability to react well with hydrothermal fluids and their relative propensity to generate fractures and fracture networks. The chemical reactivity is generally thought to depend on the free iron available in the rock to generate iron sulfide minerals through interaction with sulfur complexes in the fluid. Iron-rich sedimentary rocks (iron-formations) and Fe-rich gabbros, diorites and basalts are recurring examples of host rocks that are favourable in this respect.

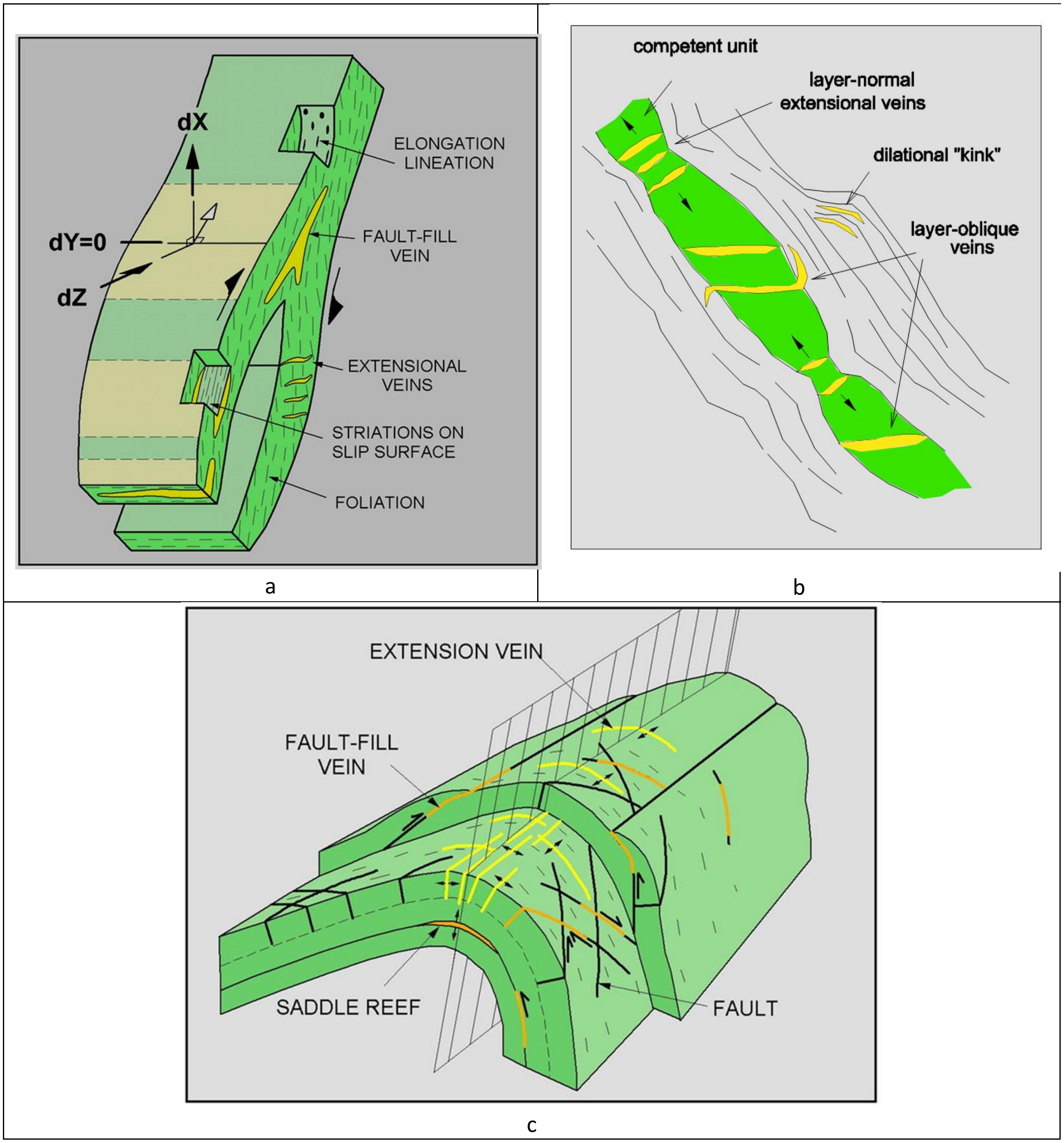

Figure 7: *Structural sites for veins associated with: a) shear zones; b) stiff boudinaged geological units; c) stiff folded geological units*

The ability of a rock to be structurally stiff (competent) and deform in a brittle way to form fractures tends to be proportional to its silica content and felsic intrusive rocks are favourable in this respect. Diorite and gabbro tend to form fractures reasonably well and coupled with their higher Fe-contents provide good hosts. Over and above iron content and competence, contacts between rock types commonly offer the structural contrasts necessary to facilitate shear zone development and fracturing: at all scales, lithological contacts are good sites along which to focus prospecting.

One of the common traits of orogenic gold deposits is that there typically evidence of a profound structural control on their locations and their overall architecture. This has likely been observed empirically for centuries but the older notions involved the structures simply providing permeable pathways for auriferous fluids: in other words the structures were viewed as being disconnected in time from the fluids which used them. Modern structural evidence, however, suggests a much closer relation between the two such that fluids under high pressure facilitate fracturing thus dynamically creating their own pathways. Veins results from the dilation and filling of fractures with precipitates from the fluids and as a result it is most common to find veins and vein networks in dynamic structural sites such as shear zones, folds and boudins (Fig. 7).

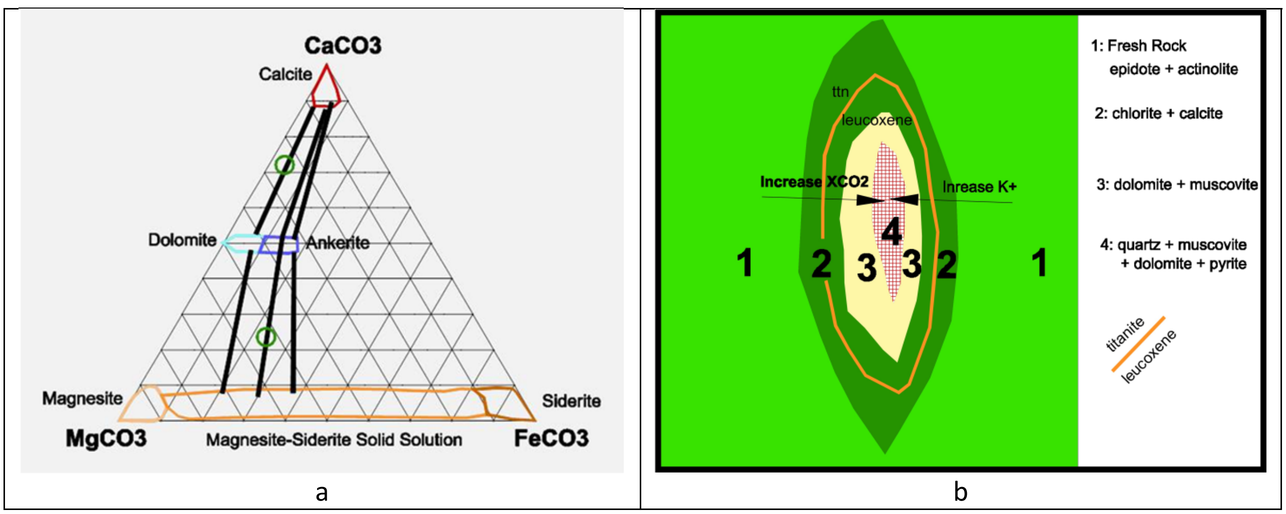

Figure 8: *Carbonate alteration a) the common carbonate minerals by composition b) predicted zoned carbonate and silicate alteration around veins and fractures in mafic rocks.*

Many of the descriptions of the gold occurrences in the district report the presence of carbonate minerals in veins and wallrocks. Carbonate alteration is a hallmark of orogenic gold deposits in general and can be used as a prospecting guide in an indirect sense. Many orogenic gold systems are contained within an envelope of carbonate alteration much larger than individual veins or structures but the presence of such alteration need not reflect veins of economic merit which can only be established by sampling and assaying. The systematics of carbonate alteration is well understood in an exploration context and the same key variables apply at all scales of observation: the amount of CO2 (compared to water) a fluid contains, the composition of the rock the fluid interacts with, the distance away from the fractures which supply the fluid, as well as the pressure and temperature at which the alteration takes place. The carbonate minerals which predictably form during alteration are calcite, dolomite, ankerite (an iron-bearing variety of dolomite), siderite and magnesite (Fig. 8a). The first three are most common, especially in mafic host rocks and are easily detected: the second two are restricted mainly to high iron and high magnesium rocks respectively. There are several methods one can use to detect the presence of calcite and/or dolomite species, the simplest being the use of two dropper bottles one containing an acid solution of 3% HCl and the other 10% HCl. The method simple requires scratching a rock sample of interest with a knife blade to make two separate accumulations of powder. If 3% HCl is applied to the first powder, a short but vigorous reaction indicates the presence of calcite. If there is no reaction of the first powder with 3% HCl and the 10% HCl solution is applied to the second powder, two results are possible: if there is no effervescent reaction it is likely that neither calcite nor dolomite (ankerite) are present; if, however, there is a slow, moderate effervescent reaction, dolomite (ankerite) is present. In mafic rocks dolomite and ankerite, commonly along with sericite (or muscovite), are indicative of strong carbonate alteration near veins whereas the combination of chlorite and calcite suggests weaker carbonate alteration at a greater distance away from veins. The fundamental idea, however, is that the presence of carbonate alteration in rocks, especially if it is widely distributed, can be used to identify areas more likely to contain quartz veins in orogenic systems – unfortunately it doesn't provide any indication of whether the veins will contain significant gold.

CONCLUSIONS and RECOMMENDATIONS

In the author's opinion there is a reasonable expectation for the discovery of additional auriferous orogenic quartz veins on the large Waring Creek property. The combination of the 16 kilometer long Partridge Lake shear zone and a package of volcano-plutonic host rocks with a substantial percentage of gabbro as well as known gold occurrences nearby provide support for this view. This optimism must be tempered, however, with past experience in this district where exploration has led mainly to gold occurrences and minor levels of gold production by modern standards. It is, therefore, the author's opinion that any additional exploration also proceed with a realistic minimum economic target in mind. Given that the district has so far yielded only small deposits a relatively modest minimum target of a 100,000 ounce deposit would likely only have a chance to be economically viable at high gold grades across a minimum mining width of 2 meters. For example, a single, meter-thick, vertical quartz vein which is 200 meters long and extends 200 meters below surface, once diluted to a two-meter mining width, would be expected to yield a bit more than 200,000 tonnes of rock. For this to deliver 100,000 ounces of gold it would have to average 15 g/t Au across the full two meters mining width or 30 g/t Au in the vein itself if there is no gold in the immediately adjacent wallrock. Veins of this quality are rare in nature but the example does illustrate the sort of dimensions required to make an economically viable deposit.

The Waring Creek land package is large and proper exploration of a property of this size will require considerable time and expense. At this point the entire property requires systematic evaluation by prospecting using the geological guidelines described above: previous the local geophysical work by Dowhaluk (1990) also suggests that low-cost magnetic and VLF EM surveys may be of some use at the scale of the entire property, not specifically to target gold occurrences but to better define the overall structure. Overburden stripping, trenching, sampling and assaying are required where feasible with follow-up diamond drilling of the best targets. All of this represents a rather costly, high risk initiative so that one possibility going forward would be to attempt to gain and earn-in option agreement for all, or a large part, of the property with an experienced junior company. In the author's opinion, the grass roots nature of the property is unlikely to attract the attention of larger companies who tend to acquire advanced projects in regions where significant deposits already are known to exist.

REFERENCES

Carter, T.R. and Colvine, A.C., 1985, Metallic mineral deposits of the Grenville Province, southeastern Ontario; CIM bulletin, March, v. 78, p. 95-106.

Dowhaluk, H., 1990, Report on H. Dowhaluk Killer Creek claims geologic, VLF-EM and magnetometer surveys; Anglesea Twp, Lennox and Addington County, Ontario; unpublished report of assessment work, 15 p.

Easton, R.M., 2004, Geology, tectonic history and controls on gold mineralization in the western Grimsthorpe domain, Central Metasedimentary Belt, Grenville Province; in Summary of Field Work and Other Activities 2004, Ontario Geological Survey Open File Report 6145, p. 14-1 to 14-21.

Easton R.M., and Fyon, J.A., 1990, Metallogeny of the Grenville Province; in Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 2, p. 1217-1252.

Easton, R.M., 2001, Precambrian Geology, Mazinaw Lake Area, Ontario Geological Survey Preliminary Map P.3439, scale 1:50,000.

Groves, D.I., Goldfarb, R.J., Gebre-Mariam, Hagemann, S.G. and Robert, F., 1998, Orogenic gold deposits: a proposed classification in the context of their crustal distribution and relationship to other gold deposit types; Ore Geology Reviews, v.13, p. 7-27.

Harnois, L. and Moore, J.M., 1989, Geochemistry and genesis of two unconformity-associated gold deposits at the base of the Flinton Group, Grenville Province, Southeastern Ontario, Canada; Economic Geology, p. 84, p. 676-693.

Harnois, L. and Moore,J.M., 1991, Geochemistry of two metavolcanic arc suites from the Central Metasedimentary Belt of the Grenville Province, southeastern Ontario, Canada; Canadian Journal Earth Sciences, v. 28, p. 1429-1443.

Moore, J.M. Jr. and Thompson, P.H., The Flinton Group: a late Precambrian metasedimentary succession in the Grenvile Province of eastern Ontario; Canadian Journal of Earth Sciences, v. 17, p.1685-1707.
Sager-Kinsman, E.A. and Parrish, R.R., 1993, Geochronology of detrital zircons from the Elzevir and Frontenac terranes, Central Metasedimentary Belt, Grenville Province, Ontario; Canadian Journal of Earth Sciences, v. 30, p. 465-473.

K. Howard Poulsen
Nepean, Ontario, Canada
November 12, 2016

CERTIFICATION OF AUTHOR OF REPORT

I, K. Howard Poulsen, as sole author of this report hereby certify that:

1) I am an independent consulting economic geologist;
2) I obtained a Phd in economic geology from Queen's University in 1984;
3) I am Registered Professional Geoscientist in Ontario (APGO #0210);
4) The above report is based on a personal site visit to the property described as well as public domain geoscience data;
5) The above technical report is based solely on geological observations for the purpose of providing advice and in no way is to be construed as a statement on the economic merit of the property described.

Waring Creek Gold Prospect, Anglesea Township

On December 4th, 2015, the District Geologist and the Geological Assistant accompanied R. Waring on a geological examination of his gold prospect in Anglesea Township, part of a large claim group that extends southwestward into Grimsthorpe Township (Figure 8). The area examined is in the vicinity of Killer Creek in lots 25 and 26, concessions 12 and 13.

LOCATION AND ACCESS

The Waring Creek project area consists of 75 mining claims, totalling 679 claim units staked by R. Waring in 2014 and 2015 and is located about 40 km north of Tweed. Access to the northern part of the project area is by the Hughes Landing Road, leading westward a distance of 10 km from Highway 41 at Cloyne, and an additional 10km westward on logging roads to the claim group.

EXPLORATION HISTORY

Although arsenopyrite occurrences with minor gold content were discovered in the eastern part of Anglesea Township in the early 1900s, very little exploration work has been recorded in the area of the Waring Creek property prior to the 1980s.

In 1986, reconnaissance prospecting by United Reef Petroleums Limited resulted in the discovery of gold mineralization in the northwestern corner of lot 27, concession 14, about 1 km northwest of the property visit area (“Au” symbols and location number 15 on figure 8). An assay of 0.19 ounces/ton (6.3 grams/ton) gold was obtained from a grab sample of a felsic rock unit at least 3 m wide that is in contact with rusty, mafic metavolcanics (Johnson 1988). The company subsequently staked a group of 20 claims in lots 25 to 28, concessions 13 to 15, covering part of the present Waring Creek project area, and completed magnetometer and VLF-EM geophysical surveys, trenching and stripping (Johnson 1988).

In 1989, H. Dowhaluk began a reconnaissance mapping and prospecting program in the area of the United Reef Petroelums discovery. After a sample from a narrow quartz vein returned an assay of 0.674 ounces/ton (22.5 grams/ton) gold, he staked a group of 12 claims in lots 25 to 28, concessions 12 and 13 and completed magnetometer and VLF-EM surveys, geological mapping and hand stripping.

REGIONAL GEOLOGY

The geology and mineral occurrences of Grimsthorpe Township and the western part of Anglesea Township are described in Easton and Ford (1994). The most recent geological map of the area by the Ontario Geological Survey (Easton 2001) includes the northern part of the Waring Creek project area (Figure 8). The following description of the geology of the area is summarized from Easton and Ford (1994).

The project area lies within the Grimsthorpe Domain of the Elzevir Terrane in the Central Metasedimentary Belt. The stratigraphic sequence consists of older tholeiitic mafic metavolcanics and intrusions of the Canniff Complex, overlain by a younger sequence dominated by volcaniclastic rocks of the Grimsthorpe Group. The metavolcanic rocks have been intruded by the Killer Creek gabbro, which was in turn intruded by the 1270 Ma Elzevir tonalite and the 1085 Ma Skootamatta syenite. The Canniff and Weslemkoon tonalites (Elzevir Suite) also intruded the metavolcanic sequence.

A series of older, protomylonitic gabbros and metavolcanic rocks occurs within the Canniff Complex along the margin of the Canniff tonalite. Several talc occurrences are hosted by these gabbros in a narrow belt along the southern and western margins of the Elzevir tonalite. Easton and Ford (1994) suggest that, based upon field and geochemical observations, the Canniff Complex may represent a partially preserved ophiolite fragment that pre-dates the Grenville Supergroup.

The Partridge Creek shear zone (PCSZ), a north-northeast-trending deformation zone up to 100m wide, follows the western margin of the Killer Creek gabbro.

PROPERTY GEOLOGY

In the area of the property examination, the PCSZ separates mafic metavolcanic and volcaniclastic rocks to the west from the Killer Creek gabbro to the east. Several quartz vein occurrences were examined, all of which are hosted by the metavolcanic rocks within about 600m of the PCSZ.

A quartz vein up to 40 cm wide occurs in strongly sheared, brecciated volcaniclastic rock exposed in the side of a small gravel pit adjacent to the access road at 315488E, 4966754N. The host rock exhibits strong chlorite-sericite alteration and a yellow-brown gossan due to pervasive iron carbonate alteration. The quartz varies from clear and glassy to smokey grey, with yellow and brown iron oxide coating and staining. Only trace amounts of pyrite were observed. This is the location of the "gravel pit vein" described by Dowhaluk (1991, p.13), who reported an assay of 0.674 ounces/ton (22.5 grams/tonne) gold from a grab sample of vein material. R. Waring reported an assay of 66.6 grams/tonne gold from the same quartz vein (Waring 2016). Analytical results of samples taken by the District Geologist are pending. The host rocks strike at 340 degrees and dip 85 degrees to the east; the quartz vein is cross-cutting with a strike of 110 degrees and dip of 30 degrees south. A series of parallel quartz veins less than 1cm thick, spaced at 2 to 10 cm is exposed in the 1m thickness of the outcrop. Additional stripping would be useful in determining the extent of the vein system.

About 500m northeast of the gravel pit vein, roughly along strike of the metavolcanic rocks, rusty quartz veinlets up to 2 cm wide occur in sheared, volcaniclastic rock containing a narrow (5cm) seam of chloritic, friable fault gouge. Angular blocks of quartz vein material up to 15 cm wide in rusty, sheared metavolcanic rock are also present on surface at this location (315710E, 4967142N).

On the northeast side of a small creek, an additional 500m to the northeast (315973E, 4967441N), a 50 cm wide quartz vein is exposed in a trench in which numerous blocks of similar quartz occur in sandy overburden which contains abundant chlorite and phlogopite grains. The vein material is white to smokey quartz with iron oxide staining and rare seams and patches of pyrite. Wall rock is strongly foliated, chloritic, mafic metavolcanic. R. Waring obtained an assay of 13.3 grams/ton gold from a grab sample of quartz vein material at this site (Waring 2016). The creek trends roughly east-west along a topographic low – one of several similar topographic features which may represent cross-faults associated with the northerly-trending PCSZ. R. Waring (2016) reported gold assays of 1.38 and 0.39 grams/tonne from quartz veins within the area of another east-west-trending creek about 600 m south of the gravel pit vein (not visited during this property examination).

About 250m north of the previous site, an outcrop of strongly foliated, chloritic mafic metavolcanic rock contains pervasive iron carbonate alteration and narrow quartz veinlets parallel to foliation. No sulphides were observed. About 40 m northeast of the previous outcrop, mafic metavolcanics contain a network of fine (1 to 2 mm) quartz-carbonate veinlets.

MINERAL POTENTIAL

The sites examined during the property visit exhibit evidence of strong deformation, carbonate alteration, quartz veining and local sulphide mineralization, possibly associated with hydrothermal activity focussed by the PCSZ. Topographic lows trending roughly east-west may represent cross-faults at intervals along the PCSZ. Gold mineralization occurs in rusty, smokey quartz veins within sheared metavolcanic rocks, possibly associated with east-west cross structures in the vicinity of the PCSZ. However, additional stripping of the quartz vein zones is required to determine the orientation and extent of the vein structures.

The Waring Creek project area covers a considerable extent of the PCSZ (Figure 8), which has had very little previous exploration for gold. In addition to potential for gold mineralization in the metavolcanic rocks to the west of the PCSZ, the shear zone itself deforms both volcanic and mafic intrusive rocks and may make an interesting target for gold. The presence of tuffaceous conglomerates and intercalated rusty schists within the volcaniclastic sequence of the Grimshorpe Group may also indicate potential for volcanogenic massive sulphide mineralization (Easton and Ford 1994).

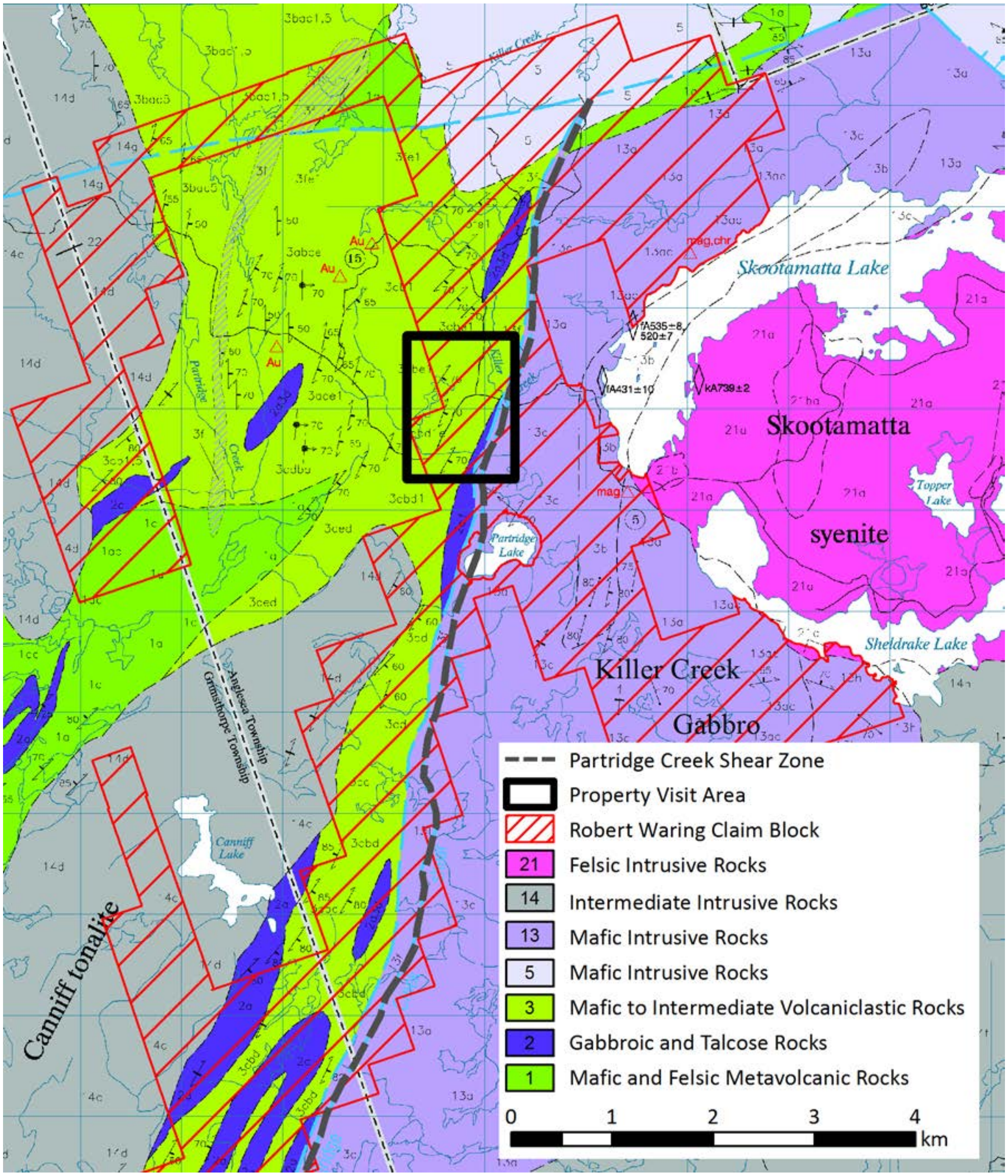

Figure 8. Location and geology in the area of the Waring Creek Project, Anglesea and Grimsthorpe townships, showing the area examined during the December 2015 property examination (geology *from* Easton 2001).

Rob Waring – Waring Creek Property, Addington Township

Summary of sites visited Nov 4, 2016 (compiled from notes by André Tessier, Peter LeBaron and Scott Charbonneau, staff of Resident Geologist Office, Tweed)

The sites were visited to examine results of new trenching and prospecting done by R. Waring in the fall of 2016 as part of a program funded by the Ontario Exploration Corporation.

UTM coordinates all NAD 83, zone 18

Site	Easting	Northing
1	315499	4966790
2	315512	4966795
3	315496	4966800
4	315516	4966812
5	315473	4966546
6	315475	4966548
7	315680	4966494
8	315368	4966126
9	315360	4965983
10	315726	4966819
11	315658	4967197
12	315665	4967144
13	315960	4967437

<u>**Site descriptions**</u>

Site 1: “Gravel Pit Vein” - excavation exposed rock face about 12m long x 2m high.
-quartz vein about 15cm wide, extension vein cross-cutting foliation in mafic volcanic (dark green, fine-grained, actinolite-rich, sheared, some brecciation, pervasive iron carbonate alteration).
-volcanic rock foliation 340/vertical
-quartz vein 145/50W; rusty and smokey quartz, minor pyrite
-1cm quartz veinlet 230/80W

Site 1. Quartz vein

Site 5: 30 cm wide quartz vein exposed in trench along side of road.
-quartz vein (030/85E) cuts across foliation in host rock mafic (tuffaceous?) metavolcanic (155/85W).
-quartz vein pinches out, re-appears offset (sigmoidal vein); glassy, patches of laminated quartz (white and clear interlaminated), considerable gossan in seams and vugs, coarse muscovite in altered wall rock, no visible sulphides.


Site 5. Quartz vein

Site 6: Shallow-dipping quartz vein (108/40S)

Site 8: Trench exposing quartz vein, maximum 25cm wide, tightly folded, sigmoidal, overall orientation 205/79W..
-host rock fine-grained mafic volcanic, moderate iron carbonate alteration, brown-weathering rind less than 1cm thick; strongly sheared within 1 to 2 m of vein, foliation 205/79W.
-on opposite side of road and about 10m south of trench is dark grey, fine-grained, rusty schist with disseminated pyrite 1-3%.

Site 9: Quartz vein 10cm wide, conformable to foliation in mafic tuff (185/80W), moderate iron oxide staining but no visible mineralization.

Site 10: Quartz vein 30 cm wide on E side of road; red, iron oxide staining, no visible sulphides; extension vein (folded, sigmoidal) with overall orientation 120/50S.
-host rock is mafic tuff, foliation 045/71SE, sheared, in conformable contact to west (exposed on W side of road) with buff-weathering, pale grey, fine-grained, siliceous felsite, possibly a dike.

Site 12: Shear zone 30m wide (016/83E) in mafic fragmental rock, conglomerate composed of angular fragments of fine-grained mafic tuff or volcanic and rounded clasts of coarse-grained gabbro.
-minor rusty quartz veins up to 2cm wide at eastern side of clearing adjacent to road,

rusty schist in pit at western side of clearing (carbonatized shear zone); sections of shear zone show intense shearing, chloritic, friable fault gouge.


Site 8. Quartz vein


Site 9. Quartz vein (centre foreground)


Site 10. Quartz vein


Site 12. Heterolithic mafic conglomerate

Site 13 : Pits in overburden along north side of creek
-quartz float up to 30cm diameter, rusty, angular, no visible sulphides
-minor bedrock exposed is foliated, amphibolitic mafic metavolcanic.

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