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2015 PROSPECTING/SOIL/MAPPING REPORT

OF THE

IVANHOE PROPERTY

KEITH TOWNSHIP, ONTARIO

Sudbury Mining Division
Northeastern Ontario

NTS: 42B/01NW

by

GTA Resources and Mining Inc.

GTA Resources and Mining Inc.
1314 Byrne Point Road.
Howe Island, Ontario
K7G 2V6

August 18, 2015

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1.0 INTRODUCTION

During the period of May 18th to June 3nd, 2015, GTA Resources and Mining (GTA) conducted a program of prospecting, ground trothing of geophysical anomalies and geological grid mapping on their Ivanhoe Property comprised of 52 unpatented mining claims located near Foleyet Ontario. The claims within this report are currently held under Mr. Larry Gervais and 1571925 Ontario Ltd. and under an option agreement with GTA. The prospecting programs were carried out over areas of the property thought to be of greatest potential to host gold mineralization. From prospecting, 83 grab samples were collected returning up to 1.13g/t Au and 47 soils were taken returning up to 102ppb Au.

2.0 TERMS OF REFERENCE

Map projections are in UTM, North American Datum 83, Zone 17 and all referenced UTM coordinates are in this project unless stated otherwise. Contractions are “mm” = millimeter, “cm” = centimeter, “m” = meters, “km” = kilometers, “g” = gram, “kg” = kilogram, “in” = inch, “ft” = foot, “lb” = pound, “oz” = troy ounce, “oz/ton” = troy ounce per short ton, “g/t” is grams per metric tonne, and “ddh” = diamond drill hole.

3.0 LIST OF PERSONNEL

Don Heerema – Geologist
James Crocker - Prospector

4.0 LOCATION AND ACCESS

The Ivanhoe property is located within the Porcupine Mining District in Northeastern Ontario, within 1.5 kilometers of the town of Foleyet. The property is located largely within Muskego and Keith Townships with parts of the property in Foleyet and Reeves Townships within the NTS Map Sheet 42B/01NW. The property is roughly centered between Timmins and Chapleau at UTM 401,200mE and 5,336,800mN.

The western portion of the claim block can be accessed by either boat, ski-doo, atv or road, crossing the Ivanhoe River or utilizing the Foleyet Timber Road the transects through the property. Highway 101, a paved highway, transects the northern portion of the property and runs mainly east-west. The eastern portion of the claim block can be accessed via the Horwood Lake Road.

Figure 1 - Regional Location Map

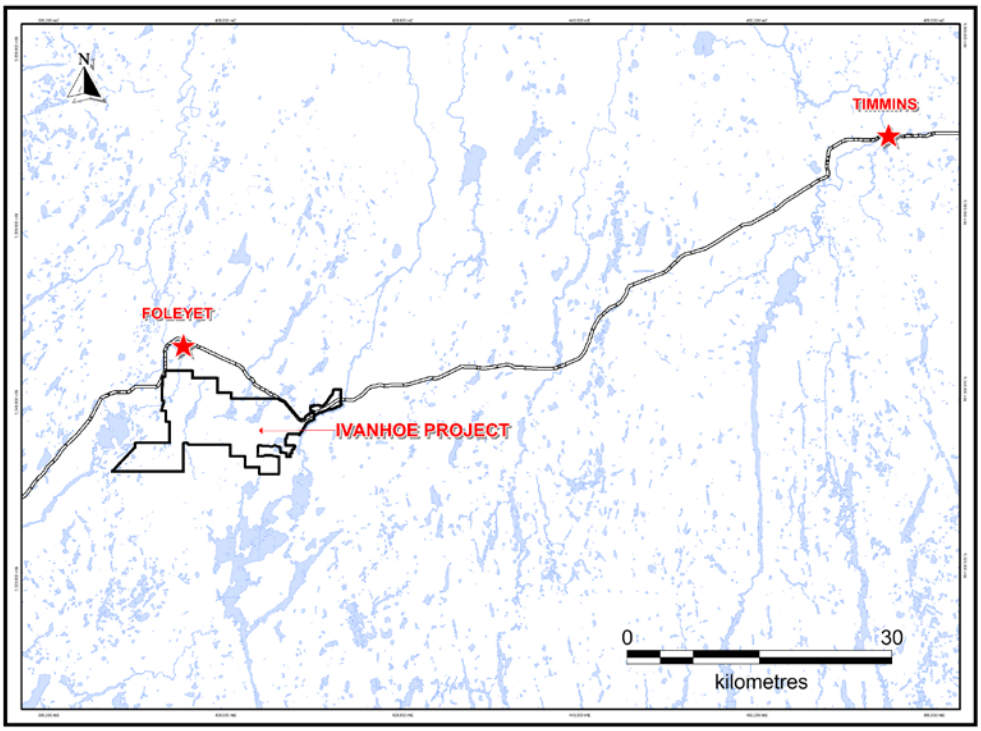


Figure 2 – Location Map

5.0 CLAIM HOLDINGS AND PROPERTY DISPOSITION

The Ivanhoe property comprises 65 unpatented mining claims totaling 829 units (Table 1, and Figure 3). The claims are under an option agreement and listed under the names Larry Gervais and 1571925 Ontario Ltd. A summary of the claim holdings from this report is provided below (Table 1).

Table 1: Ivanhoe Land Tenure Data

Claim Number	Township	Claim Holder(s)	Units	Recording Date	Claim Due Date
4261205	FOLEYET	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	9	2013-Nov-21	2016-Nov-21
4261220	FOLEYET	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2013-Nov-21	2016-Nov-21
4261221	FOLEYET	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	15	2013-Nov-21	2016-Nov-21
4261222	FOLEYET	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2013-Nov-21	2016-Nov-21
4261225	FOLEYET	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2013-Nov-21	2016-Nov-21
4261227	FOLEYET	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	9	2013-Nov-21	2016-Nov-21
4244837	KEITH	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	9	2014-Jun-12	2016-Jun-12
4261223	KEITH	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	12	2013-Sep-30	2016-Sep-30
4261224	KEITH	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2013-Oct-15	2016-Oct-15
4268959	KEITH	Larry Gervais - 100%	1	2012-Sep-17	2016-Sep-17
4268961	KEITH	Larry Gervais - 100%	8	2012-Sep-17	2016-Sep-17
4269072	KEITH	Larry Gervais - 100%	15	2012-Feb-06	2017-Feb-06
4269073	KEITH	Larry Gervais - 100%	6	2012-Feb-06	2017-Feb-06
4269074	KEITH	Larry Gervais - 100%	4	2012-Feb-06	2017-Feb-06
4269075	KEITH	Larry Gervais - 100%	10	2012-Feb-06	2017-Feb-06
4269076	KEITH	Larry Gervais - 100%	4	2012-Feb-06	2017-Feb-06
4269077	KEITH	Larry Gervais - 100%	12	2012-Feb-06	2017-Feb-06
4269078	KEITH	Larry Gervais - 100%	12	2012-Feb-06	2017-Feb-06
4261208	KEITH	1571925 Ontario Ltd. - 100%	12	2014-Apr-09	2017-Apr-09
4275370	KEITH	1571925 Ontario Ltd. - 100%	11	2014-Apr-08	2017-Apr-08
4275376	KEITH	1571925 Ontario Ltd. - 100%	12	2014-Apr-08	2017-Apr-08
4275377	KEITH	1571925 Ontario Ltd. - 100%	16	2014-Apr-08	2017-Apr-08
4275378	KEITH	1571925 Ontario Ltd. - 100%	15	2014-Apr-08	2017-Apr-08
4275379	KEITH	1571925 Ontario Ltd. - 100%	16	2014-Apr-08	2017-Apr-08
4275381	KEITH	1571925 Ontario Ltd. - 100%	16	2014-Apr-08	2016-Apr-08
4275382	KEITH	1571925 Ontario Ltd. - 100%	16	2014-Apr-08	2016-Apr-08
4275383	KEITH	1571925 Ontario Ltd. - 100%	16	2014-Apr-08	2016-Apr-08
4275384	KEITH	1571925 Ontario Ltd. - 100%	16	2014-Apr-08	2016-Apr-08
4275385	KEITH	1571925 Ontario Ltd. - 100%	10	2014-Apr-08	2017-Apr-08
4275698	KEITH	1571925 Ontario Ltd. - 100%	16	2014-Apr-02	2016-Apr-02
4275699	KEITH	1571925 Ontario Ltd. - 100%	13	2014-Apr-08	2016-Apr-08
4278035	KEITH	1571925 Ontario Ltd. - 100%	13	2014-Apr-02	2017-Apr-02

4271214	KEITH	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	13	2013-Sep-30	2016-Sep-30
4271215	KEITH	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	15	2013-Sep-30	2016-Sep-30
4271240	KEITH	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2013-Oct-15	2016-Oct-15
4275387	KEITH	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2014-Jun-12	2016-Jun-12
4275388	KEITH	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	11	2014-Jun-12	2016-Jun-12
4275389	KEITH	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	11	2014-Jun-12	2016-Jun-12
4277398	KEITH	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	13	2015-Jan-16	2017-Jan-16
4261201	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	8	2013-Sep-30	2016-Sep-30
4261202	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	15	2013-Sep-30	2016-Sep-30
4261203	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	15	2013-Sep-30	2016-Sep-30
4261204	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	9	2013-Sep-30	2016-Sep-30
4261218	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	12	2013-Sep-30	2016-Sep-30
4261219	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	14	2013-Sep-30	2016-Sep-30
4271213	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	5	2013-Sep-30	2016-Sep-30
4271235	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2013-Sep-30	2016-Sep-30
4271236	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	7	2013-Oct-15	2016-Oct-15
4271237	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	15	2013-Oct-15	2016-Oct-15
4271238	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	15	2013-Oct-15	2016_oct-15
4271239	MUSKEGO	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	12	2013-Oct-15	2016-Oct-15
4271211	REEVES	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2013-Sep-30	2016-Sep-30
4271212	REEVES	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	10	2013-Sep-30	2016-Sep-30
4275117	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2014-Oct-06	2016-Oct-06
4275118	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2014-Oct-20	2016-Oct-20
4275119	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2014-Oct-20	2016-Oct-20
4277396	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2015-Jan-16	2017-Jan-16
4277397	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	13	2015-Jan-16	2017-Jan-16
4277399	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	11	2015-Feb-02	2017-Feb-02
4277400	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2015-Feb-02	2017-Feb-02
4283153	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2015-Jan-16	2017-Jan-16
4283154	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2015-Jan-16	2017-Jan-16
4283155	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2015-Jan-16	2017-Jan-16
4283186	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	16	2014-Oct-20	2016-Oct-20
4283193	IVANHOE	Larry Gervais 50% - 1571925 Ontario Ltd. 50%	10	2015-Feb-02	2017-Feb-02

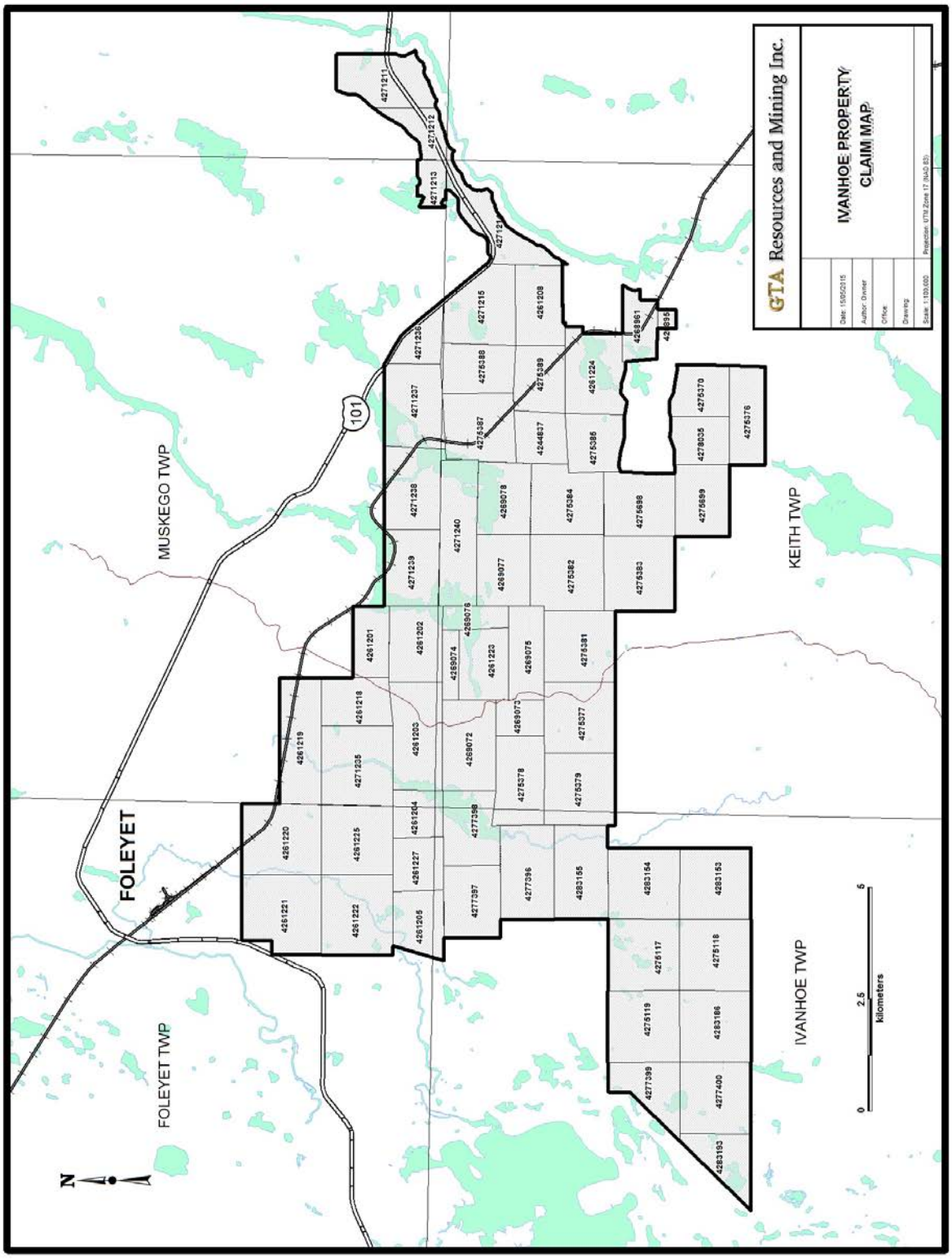


Figure 3 – Claim Location Map

6.0 REGIONAL GEOLOGY

The following regional geology description is an excerpt from J.A. Ayer's Ontario Geological Survey Report 297 titled "Precambrian Geology – Northern Swayze Greenstone Belt from 1995.

The oldest rocks in the area consist of northeasterly trending paragneiss and amphibole gneiss, intruded by both the Shawmere anorthosite complex and granitoid gneiss, within the Kapuskasing Structural Zone, on the western margin of the synoptic area. Tonalite gneiss associated with the Shawmere complex has been dated at 2765 Ma. Kapuskasing Structural Zone rocks have been metamorphosed to granulite facies conditions and are interpreted to be a segment of Archean lower crust thrust eastwards over the Abitibi Subprovince along the Ivanhoe Lake cataclastic zone.

East of the Ivanhoe Lake cataclastic zone, the northern Swayze greenstone belt consists of easterly trending supracrustal rocks subdivided into 3 distinct assemblages. The Muskego–Reeves assemblage in the northern part of the belt consists of mafic flows intercalated with ultramafic volcanic flows, iron formations, clastic sedimentary rocks and localized accumulations of intermediate to felsic flows and pyroclastic rocks. Conglomerate, wacke and mudstone occur in an extensive clastic sedimentary unit in the uppermost stratigraphic reaches of the Muskego–Reeves assemblage in the northwest part of the belt. The Horwood assemblage lies to the south. It consists predominantly of tholeiitic mafic flows with minor intercalations of fine-grained clastic sedimentary rocks, calc-alkalic pyroclastic rocks and ultramafic flows. The Hanrahan assemblage consists of intermediate to felsic pyroclastic rocks and flows capped by iron formation, within the Hanrahan antiform in the southeast part of the belt.

Extensive sill-like bodies of massive, medium-grained, cumulate-textured ultramafic rock occur in all the assemblages. Locally, in the Muskego–Reeves assemblage, the cumulate-textured ultramafic units grade along strike into ultramafic flows and thus may represent proximal-facies flows or feeder intrusions. Differentiation into an uppermost gabbroic unit occurs in the northern part of the Reeves ultramafic body.

Granitoid intrusions include both early foliated and late massive rock units. Early intrusions tend to be more sodic and are predominantly tonalite and granodiorite. They are most abundant in the large granitic complexes outside the supracrustal sequence, including the Kenogamissi batholith, the Nat River granitic complex and the Tom Smith Lake granitic complex. Smaller, early intrusions of foliated porphyry, granodiorite and granite occur within the supracrustal assemblages. Late intrusions include bodies such as the Ivanhoe Lake, Hoodoo Lake and Kukatush plutons, within the supracrustal rocks, and parts of the larger external granitic complexes mentioned above. Late granitic phases consist predominantly of massive to weakly foliated granodiorite, granite and monzonite, with minor diorite, syenite, gabbro and clinopyroxenite. Late intrusive phases of the Tom Smith Lake granitic complex and the Hoodoo Lake pluton have been dated at 2680 and 2684 Ma, respectively.

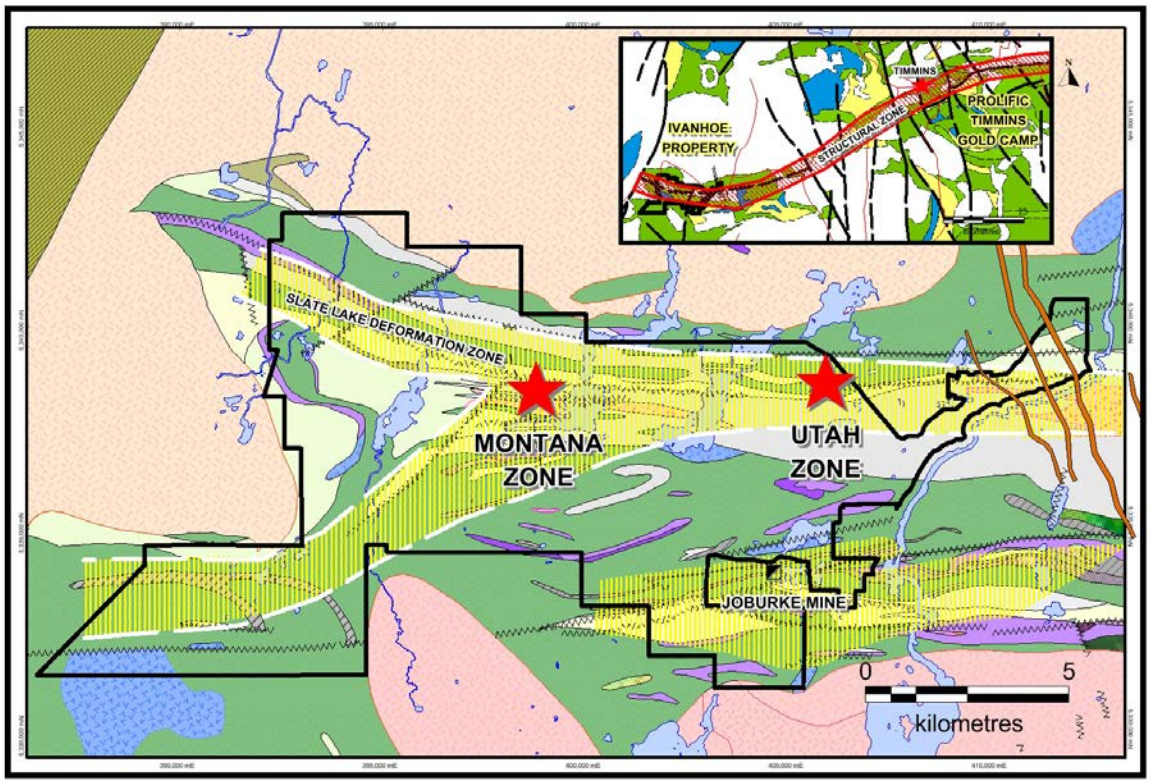


Figure 4 - Geology Map

7.0 PROPERTY GEOLOGY

The Ivanhoe Property lies along the northern boundary of the Northern Swayze Greenstone Belt (NSGB). The NSGB as mentioned above, is broken down into 3 distinct assemblages, for which the Ivanhoe Property lies largely within the Muskego-Reeves assemblage composed of mafic flows intercalated with ultramafic volcanic flows, iron formations, clastic sedimentary rocks and localized accumulations of intermediate to felsic flows and pyroclastic rocks. Conglomerate, wacke and mudstone occur in an extensive clastic sedimentary unit in the uppermost stratigraphic reaches of the Muskego–Reeves assemblage in the northwest part of the belt. The rocks are generally east trending, steeply north dipping and metamorphic grades do need exceed greenschist facies. Few felsic intrusive bodies are present within the Muskego-Reeves, but the emplacement of the Slate Lake Porphyry might be important for the structural complexity and emplacement of gold deposition.

A large regional structure called the Slate Rock Deposition Zone (SRDZ) is interpreted to be an extension of the prolific Porcupine-Destor Fault, transects across the property creating a large deformation zone and associated alteration/mineralized zones. Within this deformation zone lies the 'Utah Zone' which is a strongly sheared, siliceous, sericitized and carbonatized volcanic assemblage cut by quartz veins and mineralized by coarse pyrite and arsenopyrite with widths to 20m.

Utah Mines core from hole BL-86-17 (Utah Zone)

Also within the Slate Rock Deformation Zone and west of White Duck Lake are outcrops of beautiful sericite and carbonate alteration with local quartz veins and pyrite mineralization. No gold mineralization was encountered here but the SRDZ has the alteration package and mineralization to host a significant gold deposit.

Grab from the shore of White Duck Lake illustrating alteration and quartz

South of the SLDZ is a large swath of metasediments that host pyritic horizons and carry anomalous gold numbers such as 0.25g/t Au over 14.08m that Dome Mines encountered in drilling (hole 182-5).

The Slate Lake Porphyry is a high level felsic intrusive with auriferous areas that have been encountered in both drilling and prospecting. The Slate Lake Porphyry is a 7 kilometer long cigar-shaped body that is host to the BP Porphyry Zone as outlined in two drill holes completed in 1986. Hole M.0-11 drilled by BP Resources had a 150 meter length of porphyry with eleven separate narrow intersections up to 0.90g/t over 3.41 m. A second hole, located 1 km to the west, drilled by Dome Mines in 1986 in a separate exploration program also intersected the porphyry with anomalous gold intersected over 7.44 meters. The BP hole (M-11) was sampled by GTA (includes quarter split and whole core splitting) over the 150 meters and gave anomalous gold throughout. The auriferous porphyry is characterized by moderate carbonate alteration with associated pyrite mineralization throughout the porphyry yielding anomalous gold values of 0.62g/t over 3.64 meters as well as 0.35g/t over 7.44 meters. Also within the porphyry is a newly discovered gold zone termed the 'Montana Zone' that lies near the north boundary of the porphyry in an east-west trending deformation zone.

Slate Lake Porphyry from hole M.O-11

The Montana zone is located within an east-west striking deformation/alteration zone located in close proximity to the Slate Rock porphyry/metasediment contact on the west side of Slate Rock Lake. It is a new discovery and characterized as sporadic outcrop and angular float in an area with minimum dimensions of 100 meters by 40 meters. Grab samples returned values up to 4.81g/t Au from a highly altered and mineralized "mylonitic" wacke. The rocks have undergone strong sericitization, bleaching and localized chloritization and hosts finely disseminated pyrite and occasional clots of galena. Late quartz-carbonate veins and stringers form a weak stockwork throughout the alteration zone.

Grab sample from Montana Zone illustrating alteration and mineralization

Montana Grid

The southern half of the Montana grid is underlain by siliceous fine to medium-grained porphyry with patchy carbonate alteration and pervasive pyrite mineralization averaging approximately 0.5% with concentrations exceeding 2%. Local shears exist, generally in the area in close proximity to the northern margin of the intrusion. Large linear east-west striking chloritized xenoliths and fingers of volcanics are found within the porphyry with localized pyritization. North of the porphyry lies a sediment package that may represent Timmiskiming sediments consisting of strained pebble conglomerates, wackes and thin zones of fine argillite. The rocks are generally striking +/- 10 degrees of west and dip steeply north. Best sulphide and alteration is found in close proximity to the porphyry/sediment contact that is often hard to distinguish due to strong carbonate alteration.

8.0 EXPLORATION HISTORY

Since the 1940's numerous companies have conducted work on or in close proximity to the claims this report is based upon. Below is a general breakdown.

1946-1947: Garnet Gold conducted diamond drilling west of and along strike of the Joburke Mine.

1946-1947: Aladdin-Groundhog Mines conducted diamond drilling west of and along strike of the Joburke Mine.

1946-1947: Palomar Gold Mines conducted diamond drilling around the area of the Joburke Mine.

1946-1947: Garnet Gold conducted diamond drilling west of and along strike of the Joburke Mine.

1971: Noranda Exploration Company Ltd. conducted magnetic (MAG) and electromagnetic (EM) surveys over their Muskego 2-70 and Keith 3-70 claim blocks that cover the northwest and southwest portions of this report respectively. The areas covered are west and south of Slate Rock Lake.

1973: Dome Exploration Ltd. drilled numerous diamond drillholes on different claim blocks Dome had. The blocks were on southwest Slate Rock Lake, south of Slate Rock Lake, on the northshore of Hoodoo Lake and east of Palomar Lake. The holes were drilling electromagnetic anomalies for base metals. Anomalous zinc values were returned such as 0.73% Zn over 21.12m (53-E-4) and 0.58% Zn over 22.25m (53-C-3).

1980: Dome Exploration Ltd. conducted a magnetic survey in their 'project 153' situated on the Groundhog River on the eastern flanks of the present claims.

1981: Dome Exploration Ltd. conducted a magnetic and electromagnetic survey over a large land package that encompasses 2/3 of the present claims from Foleyet Timber Road east to White Duck Lake. Numerous electromagnetic conductors were identified and later followed up by diamond drilling in 1982.

1982: Dome Exploration Ltd. drilled a minimum of 7 diamond drillholes are the area west of Slate Rock Lake testing electromagnetic conductors as well as a porphyry with elevated gold values. Hole 182-8 intersected 0.25g/t Au over 14.08m within pyritic metasediments while hole 182-10 yielded 0.31g/t Au over 5.15m in altered porphyry.

1982: Noranda Exploration Company Ltd. conducted a very small magnetic and electromagnetic survey on the north side of Ivy Lake that covers a small portion of the Utah Zone.

1985: Utah Mines Ltd. cut a grid and performed an induced polarization survey east of White Duck Lake that covers the area of the Utah Zone. IP anomalies were discovered and later followed up on by diamond drilling. Also in 1985 was a soil sampling program on the grid that yielded two weakly anomalous zones; one the correlates with the Utah Zone and a second that remains unexplained.

1986: Utah Mines Ltd. conducted magnetic and electromagnetic surveys on the 1985 grid. Induced polarization anomalies were tested and the Utah Zone was discovered with returns such as 3.13g/t Au over 2.44m in hole BL-86-13.

1987: BP Canada conducted magnetics and VLF over a large area from Muskego Lake east to the center of Keith Lake.

1987: Unigold Resources. drilled nine diamond drillholes in the area of Jackbill Lake in Muskego with no significant results.

1988: BP Canada cut an extensive grid from the west shoreline of Slate Rock Lake east to White Duck Lake and conducted an induced polarization survey. Conductive areas were later tested by means of diamond drilling returning anomalous gold values such as 0.90g/t Au over 3.41m (M.O-11) in porphyry and 0.84g/t Au over 1.45m (M.O-5) approximately 5km west along strike of the Utah Zone.

1989: Utah Mines Ltd. drilled an additional 4 holes in the Utah Zone area. Two tested the gold horizon while 2 other holes tested an electromagnetic conductor that turned out to be a semi-massive pyrite horizons in metasediments.

1991: Cominco Ltd. conducted a magnetic and electromagnetic survey in the area of the Muskego River north of Muskego Lake.

9.0 CURRENT PROGRAM

The bulk of the field work took place in phase II on the Montana Grid where prospecting and geological mapping was undertaken. The mapping was done at 1:1000 scale in an attempt to identify significant structures and geology conducive to hosting gold mineralization. In addition to the prospecting on the Montana grid, some other samples were collected from mineralized quartz veining in a shear zone approximately 40m east of the eastern shore of Keith Lake and from porphyry 30m east of the eastern shore of Slate Rock Lake. Collectively 83 grab samples were collected and submitted for gold analysis. See Appendix I for geological and sampling maps.

A small portion of the program consisted of ground truthing geophysical anomalies from historic and recent induced polarization surveys in an attempt to identify possible causes of such anomalies, prospecting, soils and grid mapping. The ground truthing work focused on anomalies on the Montana grid, areas of northeast Keith Lake as well as the Utah Zone east of White Duck Lake with moderate success. Many of the anomalies have been explained; either by alteration or sulphide mineralization. See Appendix II for explanations and maps.

A small program of soil sampling was conducted over parts of the Montana grid as well as the east side of Slate Rock Lake in an area of anomalous float and historically anomalous porphyry from drilling. The soils conducted on the Montana grid were undertaken to test the potential strike extension of the Montana Zone. On the east shore of Slate Rock Lake soils were carried out to test for gold in an area of little outcrop as well anomalous float up to 18.1g/t Au. Soils were taken of brown B-horizon soil wherever a good soil profile existed. The results of the soils in this area were encouraging with anomalous values to 102ppb Au. A total of 47 soils were collected.
See Appendix III for soil data.

10.0 CONCLUSION AND RECOMMENDATIONS

The field program of 2015 consisted of soiling, prospecting, and mapping in an attempt to identify new gold bearing structures and zones as well as expand on positive results of 2014. A total of 83 rock samples and 47 soil samples were collected and analyzed for gold. Three anomalous samples of 753ppb, 165ppb and 130ppb Au were attained from the porphyry indicating that the potential of higher grade may exist within the porphyry. A new quartz float in close proximity to the quartz float on the east side of Slate Rock Lake discovered in 2014, returned 1130ppb Au and may be an indication of potential in the area. Recce soils conducted in the area returned four soils >10ppb up to 102ppb Au. It is recommended that a single hole be drilled in the area of the gold bearing quartz float and anomalous soils near the east shoreline of Slate Rock Lake to complete a fence of drilling between historic holes M.O-11 and M.O-9. Hole M.O-11 returned numerous anomalous gold intercepts such as 0.02opt over 3.64m within mineralized porphyry.

Although the prospecting and soiling didn't expand the Montana Zone or identify any new targets on the Montana grid, the alteration, quartz flooding and pyrite mineralization of the Montana Zone itself still exists and warrants trenching and diamond drilling to test for continuity.

Gold grades in the Utah Zone are presently uneconomic, but its position within the large Slate Lake Deformation Zone makes that stratigraphic unit a favorable one for future work and gold potential. It is recommended that drilling be conducted beneath historic intercepts at Utah Zone to test for higher-grade racks and shoots in gold mineralization.

11.0 REFERENCES

Ayer, J. A. 1995. Precambrian Geology Northern Swayze Greenstone Belt; Ontario Geological Survey, Report 297

BHP-Utah Mines Ltd. 1989. Diamond Drilling Boulder Lake Property, Muskego and Keith Townships, June 1989; Porcupine Mining Division

Chamois. P., Reed. L.E, 1998. Report on Induced Polarization Surveys, Meunier Project

Chamois. P, 1988. Report of Diamond Drilling, Meunier Option 1998

Dome Exploration Ltd., 1983. Assessment on Drilling Keith Twp. Assessment file 42B01NW0043

McIvor, D. 1986. Diamond Drilling Boulder Lake Property, Muskego and Keith Townships, June 1986; Porcupine Mining Division

McIvor, D. 1986. Diamond Drilling Boulder Lake Property, Muskego and Keith Townships, December 1986; Porcupine Mining Division

APPENDIX I

IP ANOMALY DESCRIPTIONS AND EXPLANATIONS

Conductive Anomalies

Anomaly	Type	Decription	Explanation
A	Chargeability	strong conductor on northest portion of Montana Grid	drilled by Dome and conductor caused by pyritiferous/graphitic sediments, fine seds located during mapping
B	Chargeability	strongest conductor on the Montana Grid	explained by fine graphitic argillite/siltstones located on line 14+00E at baseline
D	Chargeability	moderate linear EW conductor within porphyry unit	best explained by a fine-grained chloritized and pyritized metavolcanics slivered in the porphyry
E	Chargeability	strong EW linear conductor on the south end of Montana Grid	best explained by massive porphyry with disseminated pyrite that was sampled during mapping
F	Chargeability	long strong conductor oriented east-west	not fully explained, but mineralization is common in sericite and carb schists
G	Chargeability	weak conductor with coincident EM conductors	not explained, lies beneath extensive cedar swamp
H	Chargeability	weak to moderate east-west conductor	not explained, lies beneath extensive overburden with erratics
I	Chargeability	strong conductor in area of Utah Zone	no exposure on surface but drilling by Utah Mines intercepted alteration with mineralization

Resistive Anomalies

Anomaly	Type	Decription	Explanation
B'	Resisitivity	small low resistor on line 14 and 15 at approx 2+00N	unexplained as covered by thick wet cedar swamp
C'	Resisitivity	large resistive anomaly	abundance of outcrop along with strong silicification and carbonatization likely the cause
D'	Resisitivity	strong conductor on SW corner of Montana Grid	abundance of outcrop and silicous porphyry likely the cause of resistor
F'	Resisitivity	moderate to strong near Keith Lake tressle	explained by well altered and schistose sercite schist
G'	Resisitivity	a moderate conductor under Keith Lk that pinches east	best explained by a zone of ser/chl/carb alt cut by mineralized smokey quartz
I'	Resisitivity	strong linear east-west conductor south of Utah	not explained on surface but two holes along strike encountered a signifcant alteration package

4261202

4271239

4271238

4271237

4271236

4269074
MASSIVE SULPHIDES

MONTANA ZONE

A

B

D

E

F

G

H

I

4271240

4269076

4261223

4269077

4269078

4275387

4275388

4271215

073

N

M11 Chargeability
mV/V

GTA Resources and Mining Inc.

Date	IVANHOE PROJECT
Author	Chargeability Map (n-2)
Office	with ground traverses
Drawing	
Scale	Projection

4261202

4271239

4271238

4271237

4271236

4269074
MASSIVE SULPHIDES

MONTANA ZONE

B'

C'

D'

F'

G'

I'

4271240

4269076

4261223

4269077

4269078

4275387

4275388

4271215

073

N

Calculated Resistivity
ohm-m

GTA Resources and Mining Inc.

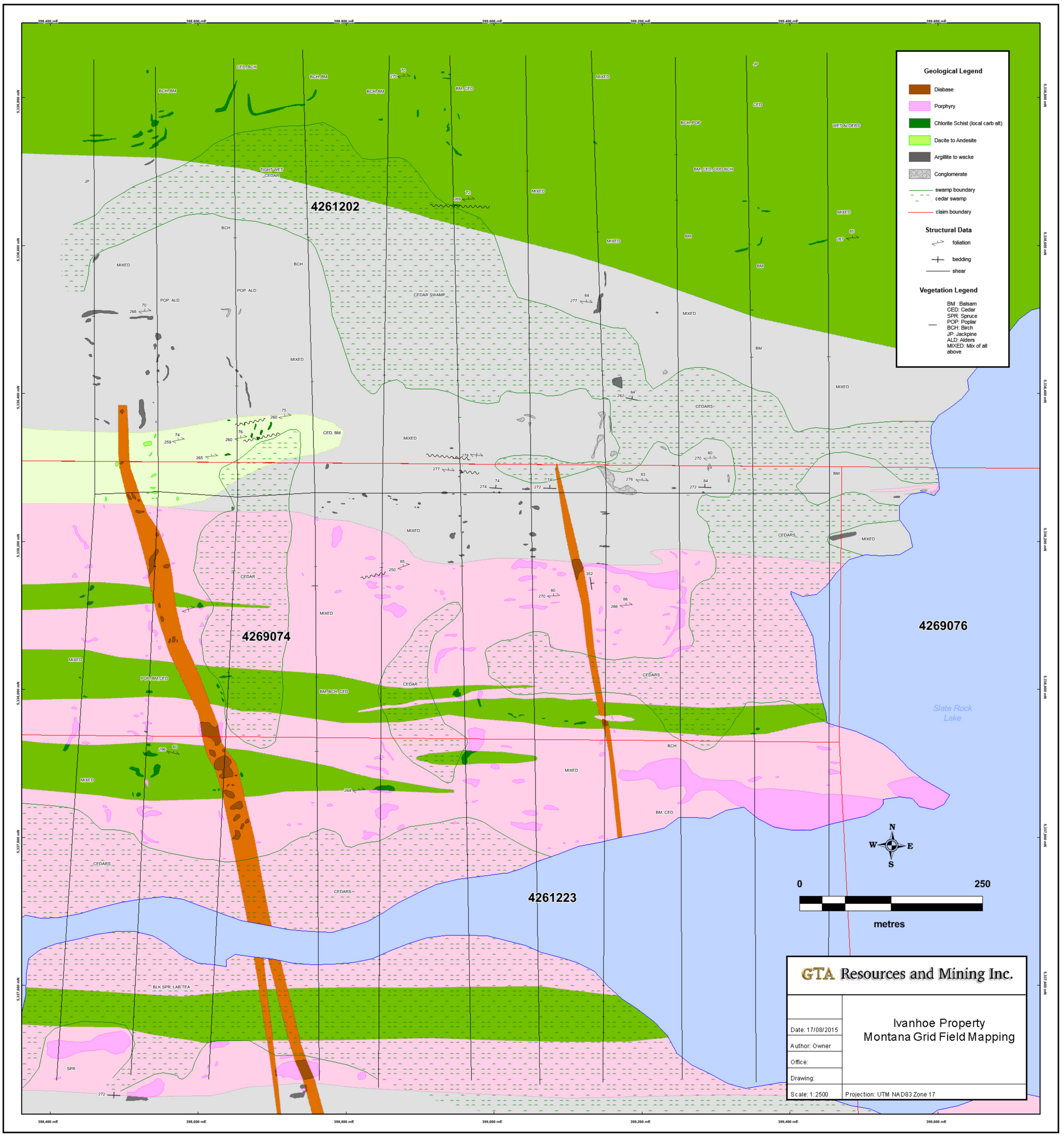
Date	IVANHOE PROJECT
Author	Resisitivity Map (n-2)
Office	with ground traverses
Drawing	
Scale	Projection

APPENDIX II

GEOLOGICAL MAP

AND

SAMPLING INFO


Geological Legend
Diabase
Porphyry
Chlorite Schist (local carb alt)
Dacite to Andesite
Argillite to wacke
Conglomerate
swamp boundary
cedar swamp
claim boundary
Structural Data
foliation
bedding
shear
Vegetation Legend
BM : Balsam
CED: Cedar
SPR: Spruce
POP: Poplar
BCH: Birch
JP: Jackpine
ALD: Alders
MIXED: Mix of all above
4261202
4269074
4269076
4261223
Slate Rock Lake
0
250
metres
GTA Resources and Mining Inc.
Date: 17/08/2015
Author: Owner
Office:
Drawing:
Scale: 1:2500
Ivanhoe Property
Montana Grid Field Mapping
Projection: UTM NAD83 Zone 17

390,000 mE | 395,000 mE | 400,000 mE | 405,000 mE | 410,000 mE | 415,000 mE

5,350,000 mN | 5,345,000 mN | 5,340,000 mN | 5,335,000 mN

N

4261202

E5565226 | E5565253 | E5565273 | E5565271 | E5565272 | E5565270 | E5565222 | E5565263 | E5565249 | E5565221 | E5565269 | E5565275 | E5565262 | E5565232 | E5565266 | E5565276 | E5565267 | E5565244 | E5565252 | E5565268 | E5565227 | E5565245 | E5565260 | E5565261 | E5565234 | E5565228 | E5565248 | E5565223 | E5565233 | E5565243 | E5565254 | E5565224 | E5565242 | E5565219 | E5565277 | E5565281 | E5565235 | E5565286 | E5565236 | E5565285 | E5565237 | E5565284 | E5565282 | E5565283 | E5565247 | E5565220 | E5565265 | E5565229 | E5565231 | E5565280 | E5565238 | E5565264 | E5565279 | E5565250 | E5565217 | E5565218 | E5565278 | E5565230 | E5565241 | E5565240 | E5565225 | E5565274 | E5565246 | E5565239 | E5565292 | E5565257 | E5565288 | E5565258 | E5565287 | E5565255 | E5565290 | E5565291 | E5565259 | E5565289 | E5565256

4269074 | 4271240 | 4269076 | 4261223

0 500 metres

4261221 | 4261220 | 4261219 | 4261222 | 4261225 | 4271235 | 4261218 | 4261201 | 4261205 | 4261227 | 4261204 | 4261203 | 4271239 | 4271238 | 4271237 | 4271236 | 4271211 | 4271213 | 4271212 | E5565216 | 4269074 | 4269076 | 4271240 | E5565210 - 215 | 4277397 | 4277398 | 4269072 | 4261223 | 4269077 | 4269078 | 4275387 | 4275388 | 4271215 | 4271214 | 4277396 | 4275378 | 4269073 | 4269075 | 4244837 | 4275389 | 4261208 | E5565251 | 4283155 | 4275379 | 4275377 | 4275381 | 4275382 | 4275384 | 4275385 | 4261224 | 4277399 | 4275119 | 4275117 | 4283154 | 4275383 | 4275698 | 4268961 | 4268959 | 4283193 | 4277400 | 4283186 | 4275118 | 4283153 | 4275699 | 4278035 | 4275370 | 4275376

0 5 kilometres

GTA Resources and Mining Inc.

	Ivanhoe Property 2015 Sampling and Traverse Map
Date: 19/07/2015	
Author: Owner	
Office:	
Drawing:	
Scale: 1:60000	Projection: UTM NAD83 Zone 17

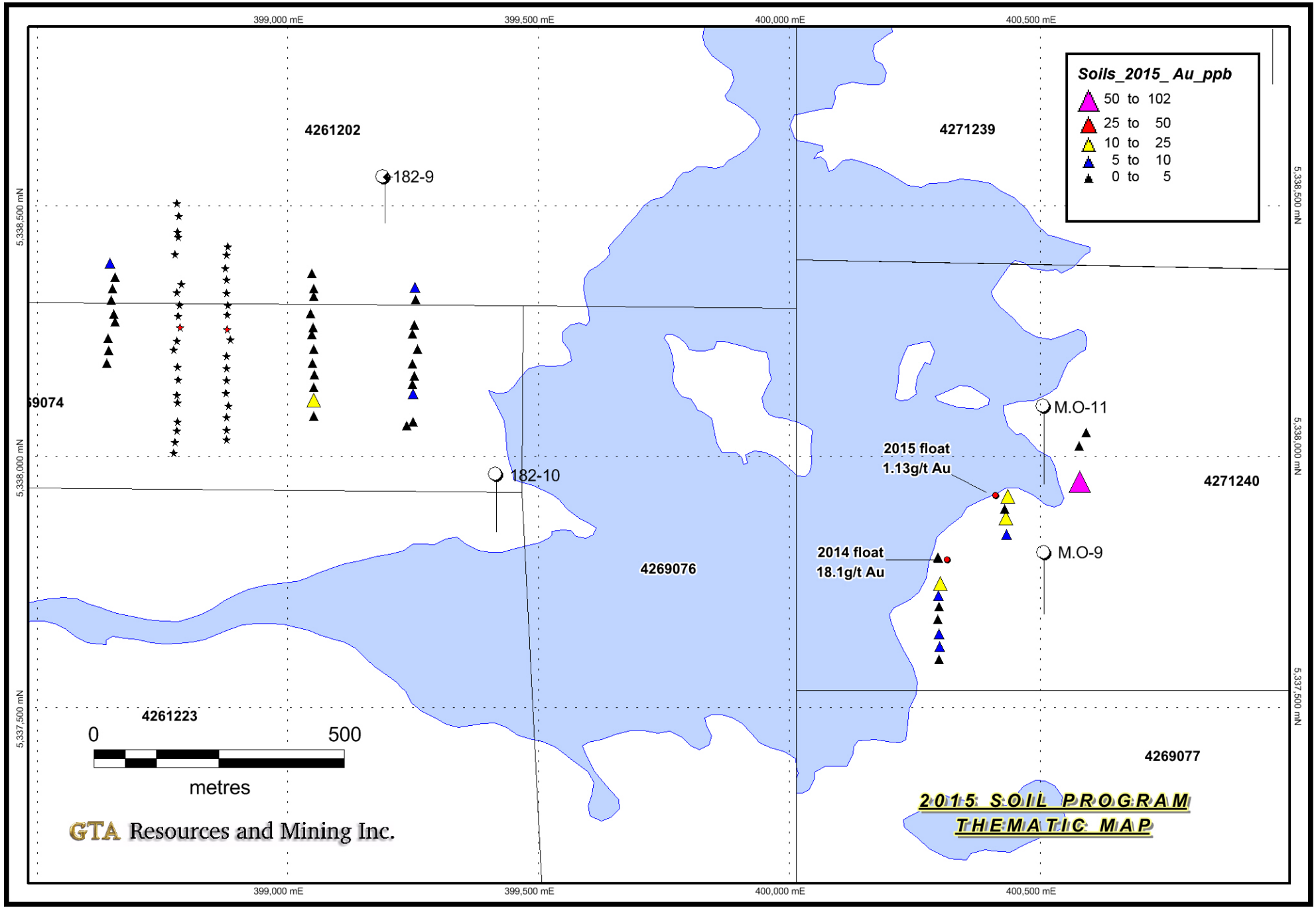
Sample	Easting	Northing	Elevation	Date	Description	Source	Au ppb	Location
E5565210	403592.5	5338504.7	340.7	20-May-15	5-10cm qv in chl/ser/carb schist, grey smokey qtz with 0.5% py +/- ars, oriented at 275-80 o/c	oc	8	
E5565211	403590.2	5338500.5	342.1	20-May-15	qv in chl/ser/carb schist, grey smokey qtz with large clots of pyrite in qtz (looks like UTAH ZONE) rubble crop	rc	< 5	
E5565212	403590.2	5338500.5	342.1	20-May-15	qv in chl/ser/carb schist, grey smokey qtz with large clots of pyrite in qtz (looks like UTAH ZONE) rubble crop	rc	< 5	
E5565213	403594.7	5338505.1	340.7	20-May-15	silicified chl/ser/carb schist intruded by num thin smokey quartz stringers and lg veinlets, trace pyrite	oc	< 5	
E5565214	403593.4	5338501.7	344.0	20-May-15	qv in chl/ser/carb schist, grey smokey qtz hosting pyrite, oriented at 276-84	oc	< 5	
E5565215	403594.7	5338501.1	339.9	20-May-15	sericte/carb schist oriented at 270-82, strong sericite with 20% black quartz porphyroblasts	oc	< 5	
E5565216	403676.8	5338883.5	345.5	20-May-15	sericite schist, very finely schistose, grey/beige with minor chlorite and carb	oc	< 5	
E5565217	398538.3	5337910.3	356.3	22-May-15	f.gr mafic vol, chloritic with 0.5% cubic pyrite	oc	< 5	
E5565218	398529.8	5337938.0	354.6	22-May-15	porphyry, massive, f-m.grained, 1% pyrite	oc	26	
E5565219	398527.7	5338109.6	360.6	22-May-15	porphyry, massive, weakly silicified, trace pyrite	oc	130	
E5565220	398585.7	5337941.0	364.0	23-May-15	f.grained porphyry very close to diabase contact, silicous, 1% pyrite	oc	11	
E5565221	398636.8	5338328.9	366.1	23-May-15	m.grained porphyry finger intruding sericite/chl schist, minor quartz veining, trace to minor py, carb alt	oc	92	
E5565222	398626.3	5338324.5	364.0	23-May-15	m.grained porphyry near contact with schist, carb alt'd 1-1.5% pyrite	oc	753	northwest of Montana Zone
E5565223	398631.9	5338331.9	365.4	23-May-15	sericite/chlorite schist, beige in colour, locally silicified, trace cubic pyrite to 3mm	oc	7	
E5565224	398774.1	5338196.0	369.3	23-May-15	bull quartz in porphyry, clots of chlorite in quartz	oc	< 5	
E5565225	398821.9	5337800.2	340.4	24-May-15	porphyry with local quartz knots and vugginess, trace carb, 2-3% pyrite	oc	9	
E5565226	398946.2	5338653.9	346.0	24-May-15	carbonate/sericite schist, extremely friable, sheared at 269-72	oc	< 5	
E5565227	398942.2	5338295.1	358.0	24-May-15	massive, silicous wacke? Carbonate alteration, fine disseminated py at 0.5%	oc	96	
E5565228	398960.3	5338227.6	365.2	24-May-15	quartz/ankerite vein within a sericite shear zone at 260-86, <0.5% fine pyrite	oc	59	
E5565229	398970.3	5337985.3	354.6	24-May-15	massive porphyry, f-m.grained, dark grey, 3-4% fine disseminated pyrite	oc	14	
E5565230	398960.0	5337897.4	355.6	24-May-15	sericite altered zone with numerous narrow quartz veinlets and minor pyrite, rusty surface	oc	24	
E5565231	400404.9	5337923.5	239.5	24-May-15	approx 12" quartz vein in fine-grained porpyry, quartz hosts coarse pyrite and local clots of galena	float	1130	new quartz float on east shore of Slate Rock Lake
E5565232	399147.3	5338341.5	346.4	26-May-15	alt'd conglomerate, silicous with 3-4% fine pyrite	oc	< 5	
E5565233	398844.3	5338254.3	358.2	26-May-15	silicous and carb alt'd wacke, trace to minor pyrite	oc	41	
E5565234	398784.8	5338255.0	360.1	26-May-15	unbias samples taken at Montana zone, carb alt'd and qtz intruded wacke	oc	1120	random grabs from Montana Zone
E5565235	399226.1	5338110.7	355.6	26-May-15	sheared porphyry with carb and sericite alt, minor pyrite	oc	69	
E5565236	399195.6	5338101.7	356.1	26-May-15	silicous porphyry with minor pyrite and trace cpy	oc	8	
E5565237	399172.7	5338080.9	354.8	26-May-15	porphyry, finer-grained, silicous with carb alteration, 0.5% pyrite	oc	165	
E5565238	399162.4	5337943.9	350.0	26-May-15	massive porphyry, f-m.grained, grey, fracture controlled py, 2%	oc	13	
E5565239	400300.7	5337778.7	340.7	26-May-15	bull quartz float 30m in from east shoreline of Slate Rock Lake	float	735	re-sampling of quartz float found in 2014
E5565240	400311.0	5337796.0	338.7	26-May-15	f.grained porphyry, dark with fewer phenos, cut by narrow quartz veinlets and associated carb, 2% py	oc?	35	
E5565241	399173.7	5337885.8	349.8	28-May-15	massive, m.grained porphyry, 2% diss pyrite	oc	17	
E5565242	399177.4	5338124.1	354.1	28-May-15	massive, f-m.grained porpyry, grey, 1.5% diss pyrite	oc	13	
E5565243	399162.0	5338157.8	352.7	28-May-15	foliated and carb alt'd porphyry, minor pyrite	oc	9	
E5565244	399043.9	5338270.9	353.6	28-May-15	sheared conglomerate, strong carb with sericite and chlorite alt'n, trace py at best	oc	< 5	
E5565245	399057.9	5338248.2	355.8	28-May-15	green chloritic wacke?	oc	12	
E5565246	399093.2	5337792.5	340.2	28-May-15	massive, f-m.grained porpyry, grey, 0.75% diss pyrite	oc	< 5	
E5565247	399246.2	5338052.6	338.5	29-May-15	porphyry? Chlorite alt'd, trace pyrite	oc	9	
E5565248	399273.0	5338168.6	346.2	29-May-15	fe-carb alt'd porphyry, massive, speckled carb alt	oc	47	
E5565249	399232.4	5338429.6	346.9	29-May-15	sheared conglomerte, sericite/chlorite/fe-carb alt, extremely friable, oriented @ 272-80	oc	< 5	
E5565250	399351.2	5337940.9	338.1	29-May-15	f.grained green chloritic tuff, 3-4% diss and stringer pyrite	oc	6	
E5565251	393269.1	5335795.0	339.5	30-May-15	f.grained, massive wacke with very fine trace pyrite	oc	< 5	

Sample	Easting	Northing	Elevation	Date	Description	Source	Au ppb	Location
E5565252	399539.3	5338259.8	338.7	31-May-15	f.grained wacke, green/grey, minor silicification, 0.5% fracture pyrrhotite	oc	13	
E5565253	399433.7	5338602.8	346.4	31-May-15	chlorite schist, weak sericite alteration, oriented at 267-85	oc	< 5	
E5565254	399454.3	5338206.2	341.4	31-May-15	f.grained wacke, green and chloritic, trace pyrite	oc	< 5	
E5565255	399756.2	5337449.9	335.9	31-May-15	porphyry, weakly sheared, weak chlorite alt'n	oc	< 5	
E5565256	398744.3	5337459.4	341.2	31-May-15	massive porphyry, c.grained phenos, carb alt'd	oc	< 5	
E5565257	398612.9	5337478.2	340.2	31-May-15	massive porphyry, c.gr phenos, trace pyrite	oc	< 5	
E5565258	398414.1	5337476.4	338.3	31-May-15	porphyry, moderate carb alt'n, trace pyrite	oc	< 5	
E5565259	398825.9	5337479.2	341.4	31-May-15	porphyry, m-c.gr phenos, some minor quartz veinlets cutting outcrop, trace pyrite	oc	< 5	
E5565260	398540.4	5338257.0	365.4	22-May-15	silicous felsic volcanic/cherty horizon, sugary quartz in places, 2-3% pyrite, extremely rusted surface	oc	14	
E5565261	398544.7	5338256.9	363.5	22-May-15	silicous felsic volcanic/cherty horizon, sugary quartz in places, 2-3% pyrite, extremely rusted surface	oc	10	
E5565262	398525.7	5338376.9	363.3	22-May-15	wacke/vol, very f.grained and dark, concoidal fracturing with 2% magnetic pyrrhotite	oc	7	
E5565263	398476.6	5338410.1	356.1	22-May-15	silicous felsic volcanic/cherty horizon, sugary quartz in places, 1% pyrite, extremely rusted surface	oc	37	
E5565264	398419.2	5337928.1	351.2	22-May-15	f.gr silicous porphyry, 1-2% pyrite	oc	12	
E5565265	398619.0	5337943.8	363.3	23-May-15	sil alt porphry 5% py	oc	35	
E5565266	398690.6	5338339.7	364.5	23-May-15	sil alt porphry shear TR PY	oc	35	
E5565267	398685.8	5338341.9	371.7	23-May-15	sil alt porphry shear TR PY	oc	25	
E5565268	398685.0	5338347.9	377.0	23-May-15	ALT PORPHRY sericite alt qtz stringers tr py	oc	22	
E5565269	398682.5	5338347.1	370.2	23-May-15	ALT PORPHRY sericite alt qtz stringers tr py	oc	16	
E5565270	398682.7	5338346.5	368.5	23-May-15	ALT PORPHRY sericite alt qtz stringers tr py	oc	7	
E5565271	398682.4	5338345.9	367.8	23-May-15	ALT PORPHRY sericite alt qtz stringers tr py	oc	< 5	
E5565272	398695.9	5338351.8	364.0	23-May-15	qtz rich porphry 2 % py	oc	11	
E5565273	398701.4	5338359.1	359.2	23-May-15	Alt porphyry sericite alt tr py	oc	< 5	
E5565274	398837.2	5337814.2	342.8	24-May-15	sil altered porphry 2% py	oc	38	
E5565275	398944.4	5338325.2	363.5	24-May-15	sil carbed porphry sericite alt tr py	oc	6	
E5565276	398951.3	5338313.6	364.9	24-May-15	sil carbed porphry sericite alt tr py	oc	8	
E5565277	398965.6	5338189.0	375.0	24-May-15	sil carbed porphry sericite alt tr py	oc	92	
E5565278	398875.6	5337812.7	337.5	24-May-15	sheared porphry 5% py	oc	46	
E5565279	399152.5	5337908.7	357.3	28-May-15	alt porphry 2% py	oc	19	
E5565280	399110.2	5337954.5	362.1	28-May-15	alt porphry 5% py	oc	< 5	
E5565281	399078.9	5338119.4	363.7	28-May-15	sheared porphry 5% py	oc	52	
E5565282	399079.6	5338114.3	357.5	28-May-15	sheared porphry 5% py	oc	11	
E5565283	399080.4	5338115.9	350.8	28-May-15	sheared porphry 5% py	oc	57	
E5565284	399080.8	5338115.9	350.0	28-May-15	sheared porphry 5% py	oc	8	
E5565285	399079.3	5338119.0	367.8	28-May-15	sheared porphry 5% py	oc	12	
E5565286	399053.4	5338190.8	364.7	28-May-15	carb alt porphry	oc	7	
E5565287	398762.1	5337498.8	344.0	31-May-15	porphyry 5% py	oc	6	
E5565288	398752.6	5337489.5	343.1	31-May-15	porphyry 5% py	oc	< 5	
E5565289	398741.4	5337465.7	354.1	31-May-15	porphyry 5% py	oc	< 5	
E5565290	398543.2	5337474.3	345.7	31-May-15	porphyry 5% py	oc	< 5	
E5565291	398504.3	5337443.8	341.2	31-May-15	sheared seds	oc	< 5	
E5565292	398410.9	5337522.9	341.6	31-May-15	porphyry 5% py	oc	< 5	

APPENDIX III

SOIL MAP AND SPREADSHEET

Soil	Easting	Northing	Elevation	Date	Au ppb	Location
E5568811	398638.5	5338187.0	352.4	29-May-15	< 5	Montana Grid
E5568812	398642.9	5338212.5	361.6	29-May-15	< 5	Montana Grid
E5568813	398641.8	5338235.9	355.8	29-May-15	< 5	Montana Grid
E5568814	398654.9	5338269.3	355.8	29-May-15	< 5	Montana Grid
E5568815	398652.9	5338285.4	370.0	29-May-15	< 5	Montana Grid
E5568816	398647.1	5338312.4	346.9	29-May-15	< 5	Montana Grid
E5568817	398649.7	5338335.6	360.1	29-May-15	< 5	Montana Grid
E5568818	398655.5	5338358.0	367.6	29-May-15	< 5	Montana Grid
E5568819	398645.2	5338386.0	367.3	29-May-15	9	Montana Grid
E5568820	399047.6	5338365.5	358.9	29-May-15	< 5	Montana Grid
E5568821	399051.2	5338335.8	355.6	29-May-15	< 5	Montana Grid
E5568822	399051.3	5338319.9	368.8	29-May-15	< 5	Montana Grid
E5568823	399044.7	5338285.9	369.8	29-May-15	< 5	Montana Grid
E5568824	399050.6	5338257.5	338.5	29-May-15	< 5	Montana Grid
E5568825	399047.7	5338244.8	352.0	29-May-15	< 5	Montana Grid
E5568826	399051.6	5338215.4	369.8	29-May-15	< 5	Montana Grid
E5568827	399049.4	5338186.7	362.5	29-May-15	< 5	Montana Grid
E5568828	399052.2	5338163.9	370.5	29-May-15	< 5	Montana Grid
E5568829	399052.0	5338139.2	363.7	29-May-15	< 5	Montana Grid
E5568830	399051.1	5338113.6	360.1	29-May-15	12	Montana Grid
E5568831	399052.1	5338081.1	366.9	29-May-15	< 5	Montana Grid
E5568832	399253.1	5338337.5	351.0	29-May-15	6	Montana Grid
E5568833	399254.7	5338314.5	351.7	29-May-15	< 5	Montana Grid
E5568834	399251.6	5338263.3	350.0	29-May-15	< 5	Montana Grid
E5568835	399248.6	5338245.5	358.2	29-May-15	< 5	Montana Grid
E5568836	399258.4	5338214.7	359.7	29-May-15	< 5	Montana Grid
E5568837	399248.3	5338185.4	350.0	29-May-15	< 5	Montana Grid
E5568838	399252.1	5338161.0	344.5	29-May-15	< 5	Montana Grid
E5568839	399248.7	5338144.7	361.8	29-May-15	< 5	Montana Grid
E5568840	399250.0	5338126.6	362.5	29-May-15	7	Montana Grid
E5568841	399249.0	5338069.9	343.6	29-May-15	< 5	Montana Grid
E5568842	399237.5	5338061.9	345.0	29-May-15	< 5	Montana Grid
E5568843	400592.3	5338049.0	352.7	31-May-15	< 5	East Slate Rock Lake
E5568844	400578.1	5338021.8	338.0	31-May-15	< 5	East Slate Rock Lake
E5568845	400579.2	5337950.9	337.1	31-May-15	102	East Slate Rock Lake
E5568846	400435.5	5337921.0	338.5	31-May-15	10	East Slate Rock Lake
E5568848	400432.4	5337877.9	348.1	31-May-15	11	East Slate Rock Lake
E5568849	400433.2	5337846.0	346.4	31-May-15	9	East Slate Rock Lake
E5568850	400299.0	5337597.0	356.1	31-May-15	< 5	East Slate Rock Lake
E5568851	400299.5	5337622.2	344.8	31-May-15	7	East Slate Rock Lake
E5568852	400298.2	5337647.1	341.6	31-May-15	5	East Slate Rock Lake
E5568853	400296.1	5337676.3	349.1	31-May-15	< 5	East Slate Rock Lake
E5568854	400298.6	5337701.5	344.0	31-May-15	< 5	East Slate Rock Lake
E5568855	400296.6	5337723.0	344.8	31-May-15	8	East Slate Rock Lake
E5568856	400300.5	5337747.3	341.2	31-May-15	18	East Slate Rock Lake
E5568857	400297.8	5337798.3	343.8	31-May-15	< 5	East Slate Rock Lake
E5568858	400295.7	5337799.4	341.6	31-May-15	< 5	East Slate Rock Lake


399,000 mE
399,500 mE
400,000 mE
400,500 mE
5,338,500 mN
5,338,000 mN
5,337,500 mN
Soils_2015_ Au_ppb
50 to 102
25 to 50
10 to 25
5 to 10
0 to 5
4261202
4271239
182-9
182-10
M.O-11
M.O-9
2015 float
1.13g/t Au
2014 float
18.1g/t Au
4271240
4269076
4261223
4269077
0
500
metres
GTA Resources and Mining Inc.
2015 SOIL PROGRAM
THEMATIC MAP

APPENDIX IV

ASSAY CERTIFICATES

Quality Analysis ... *Innovative Technologies*

Date Submitted: 21-May-15
Invoice No.: A15-03603
Invoice Date: 24-May-15
Your Reference: IVANHOE

GTA Resources and Mining Inc.
855 Brant Street
Burlington Ontario L7R 2J6
Canada

ATTN: Robert Duess

CERTIFICATE OF ANALYSIS

7 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-Timmins Au - Fire Assay AA
Code Weight Rpt(kg)-Timmins-Internal Received Weights

REPORT **A15-03603**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
5565210	8
5565211	< 5
5565212	< 5
5565213	< 5
5565214	< 5
5565215	< 5
5565216	< 5

QC

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OxD108 Meas	399
OxD108 Cert	414
SF67 Meas	815
SF67 Cert	835.000
Method Blank	< 5
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted: 27-May-15
Invoice No.: A15-03761
Invoice Date: 03-Jun-15
Your Reference: IVANHOE

GTA Resources and Mining Inc.
855 Brant Street
Burlington Ontario L7R 2J6
Canada

ATTN: Robert Duess

CERTIFICATE OF ANALYSIS

44 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-Timmins Au - Fire Assay AA
Code Weight Rpt(kg)-Timmins-Internal Received Weights

REPORT **A15-03761**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
E5565217	< 5
E5565218	26
E5565219	130
E5565220	11
E5565221	92
E5565222	753
E5565223	7
E5565224	< 5
E5565225	9
E5565226	< 5
E5565227	96
E5565228	59
E5565229	14
E5565230	24
E5565231	1130
E5565232	< 5
E5565233	41
E5565234	1120
E5565235	69
E5565236	8
E5565237	165
E5565238	13
E5565239	735
E5565240	35
E5565260	14
E5565261	10
E5565262	7
E5565263	37
E5565264	12
E5565265	35
E5565266	35
E5565267	25
E5565268	22
E5565269	16
E5565270	7
E5565271	< 5
E5565272	11
E5565273	< 5
E5565274	38
E5565275	6
E5565276	8
E5565277	92
E5565278	46
E5565279	19

QC

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OxD108 Meas	410
OxD108 Cert	414
OxD108 Meas	414
OxD108 Cert	414
SF67 Meas	802
SF67 Cert	835.000
SF67 Meas	816
SF67 Cert	835.000
E5565226 Orig	< 5
E5565226 Dup	< 5
E5565236 Orig	8
E5565236 Dup	7
E5565265 Orig	35
E5565265 Split	34
E5565265 Orig	37
E5565265 Dup	33
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5

Date Submitted: 01-Jun-15
Invoice No.: A15-03916
Invoice Date: 12-Jun-15
Your Reference:

GTA Resources and Mining Inc.
855 Brant Street
Burlington Ontario L7R 2J6
Canada

ATTN: Robert Duess

CERTIFICATE OF ANALYSIS

80 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2 Au - Fire Assay AA
Code Weight Report (kg)-Internal Received Weights

REPORT **A15-03916**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Results

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
E5565241	17
E5565242	13
E5565243	9
E5565244	< 5
E5565245	12
E5565246	< 5
E5565247	9
E5565248	47
E5565249	< 5
E5565250	6
E5565251	< 5
E5565252	13
E5565253	< 5
E5565254	< 5
E5565255	< 5
E5565256	< 5
E5565257	< 5
E5565258	< 5
E5565259	< 5
E5565280	< 5
E5565281	52
E5565282	11
E5565283	57
E5565284	8
E5565285	12
E5565286	7
E5565287	6
E5565288	< 5
E5565289	< 5
E5565290	< 5
E5565291	< 5
E5565292	< 5
E5568811	< 5
E5568812	< 5
E5568813	< 5
E5568814	< 5
E5568815	< 5
E5568816	< 5
E5568817	< 5
E5568818	< 5
E5568819	9
E5568820	< 5
E5568821	< 5
E5568822	< 5
E5568823	< 5
E5568824	< 5
E5568825	< 5
E5568826	< 5
E5568827	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
E5568828	< 5
E5568829	< 5
E5568830	12
E5568831	< 5
E5568832	6
E5568833	< 5
E5568834	< 5
E5568835	< 5
E5568836	< 5
E5568837	< 5
E5568838	< 5
E5568839	< 5
E5568840	7
E5568841	< 5
E5568842	< 5
E5568843	< 5
E5568844	< 5
E5568845	102
E5568846	10
E5568847 missing	
E5568848	11
E5568849	9
E5568850	< 5
E5568851	7
E5568852	5
E5568853	< 5
E5568854	< 5
E5568855	8
E5568856	18
E5568857	< 5
E5568858	< 5

QC

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OxD108 Meas	416
OxD108 Cert	414
OxD108 Meas	409
OxD108 Cert	414
SG66 Meas	1130
SG66 Cert	1090
SG66 Meas	1120
SG66 Cert	1090
E5565250 Orig	6
E5565250 Dup	6
E5565280 Orig	< 5
E5565280 Dup	< 5
E5565290 Orig	< 5
E5565290 Split	< 5
E5565290 Orig	< 5
E5565290 Dup	< 5
E5568823 Orig	< 5
E5568823 Dup	< 5
E5568833 Orig	< 5
E5568833 Dup	< 5
E5568843 Orig	< 5
E5568843 Dup	5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5