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**LOGISTICAL REPORT on the  
DECEMBER 2016 SAMPLING PROGRAM  
on the BATCHEWANA PROPERTY,  
GAPP TOWNSHIP,  
ALGOMA DISTRICT, ONTARIO**

**For**

**ANCONIA RESOURCES**

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## **1.0 INTRODUCTION**

In August and September 2016, a reconnaissance mapping and surface sampling program was undertaken by Minroc Management in the northern portion of the Batchewana property, belonging to Anconia Resources. This work included a whole-rock grid sampling program, consisting of twenty-seven samples, covering the possible VMS system present in the Wolverine area, with the intent of mapping any alteration halos that may surround the prospect.

This work was continued on the 7th and 8th of December, when thirty-seven additional whole-rock samples were taken from areas west and north of the Wolverine prospect. This expands the whole-rock grid coverage, such that the results can be used as a vector to direct future exploration.

In addition, two channel-cut grab samples (1408851 and 52) were taken from the Wolverine Main Trench, adjacent to two high-assaying samples from August (s4519443: 18.1% Zn and 7.5g/t Ag; s4519422: 11.5% Zn and 0.11% Cu), covering sphalerite-rich graphite schists.

## **2.0 PROPERTY DESCRIPTION AND LOCATION**

The Batchewana property lies in Gapp, Lunkie and Dablon Townships, about 65 km north-northeast of Sault Ste. Marie in the Algoma District of northern Ontario. The property currently consists of twenty-five claims, of which twenty-two lie in Gapp Township, two in Lunkie and one in Dablon. The total property area is 5,792 Hectares (see Table 1). The areas of the property visited in 2016 lie entirely within Gapp Township. Claims 4267198, 4268593 and 4268586 were staked following the August-September field program. The property lies within UTM Zone 17, the boundary with Zone 16 lies only a few hundred metres west of the property boundary. See Figures 1 and 2 for property location and details.

Anconia Resources Ltd. holds the Property under an option agreement with Brent Attwell of Sault Ste. Marie, Ontario.

**Table 1 Details of Claims**

Claim	Township	Staked By	Area / Units	Area / Ha	Due
4282155	Gapp	B Attwell	16	256	2017 dec 08
4282167	Gapp	B Attwell	16	256	2018 jan 19
4282162	Gapp	B Attwell	16	256	2018 jan 19
4282149	Gapp	B Attwell	16	256	2017 dec 08
4282148	Gapp	B Attwell	16	256	2017 dec 08
4267197	Dablon	B Attwell	16	256	2018 jul 08
4268587	Lunkie	B Attwell	16	256	2018 may 30
4282154	Gapp	B Attwell	16	256	2017 dec 08
4282164	Gapp	B Attwell	9	144	2018 jan 19
4282163	Gapp	B Attwell	8	128	2018 jan 19
4282153	Gapp	B Attwell	16	256	2017 dec 08
4282150	Gapp	B Attwell	16	256	2017 dec 08
4282147	Gapp	B Attwell	16	256	2017 dec 08
4268592	Lunkie	B Attwell	16	256	2018 jul 12
4266879	Gapp	B Attwell	16	256	2017 jul 28
4282166	Gapp	B Attwell	9	144	2018 jan 19
4282165	Gapp	B Attwell	8	128	2018 jan 19
4282156	Gapp	B Attwell	8	128	2018 jan 19
4282152	Gapp	B Attwell	16	256	2017 dec 08
4282151	Gapp	B Attwell	16	256	2017 dec 08
4268585	Gapp	B Attwell	16	256	2017 jul 27
4268589	Gapp	B Attwell	16	256	2017 jul 27
4267198	Gapp	T D Baber for B Attwell	16	256	2018 Jul 27
4268593	Gapp	T D Baber for B Attwell	16	256	2018 Jul 27
4268586	Gapp	B Attwell	16	256	2018 Nov 04
<b>TOTAL</b>			<b>362</b>	<b>5792</b>	

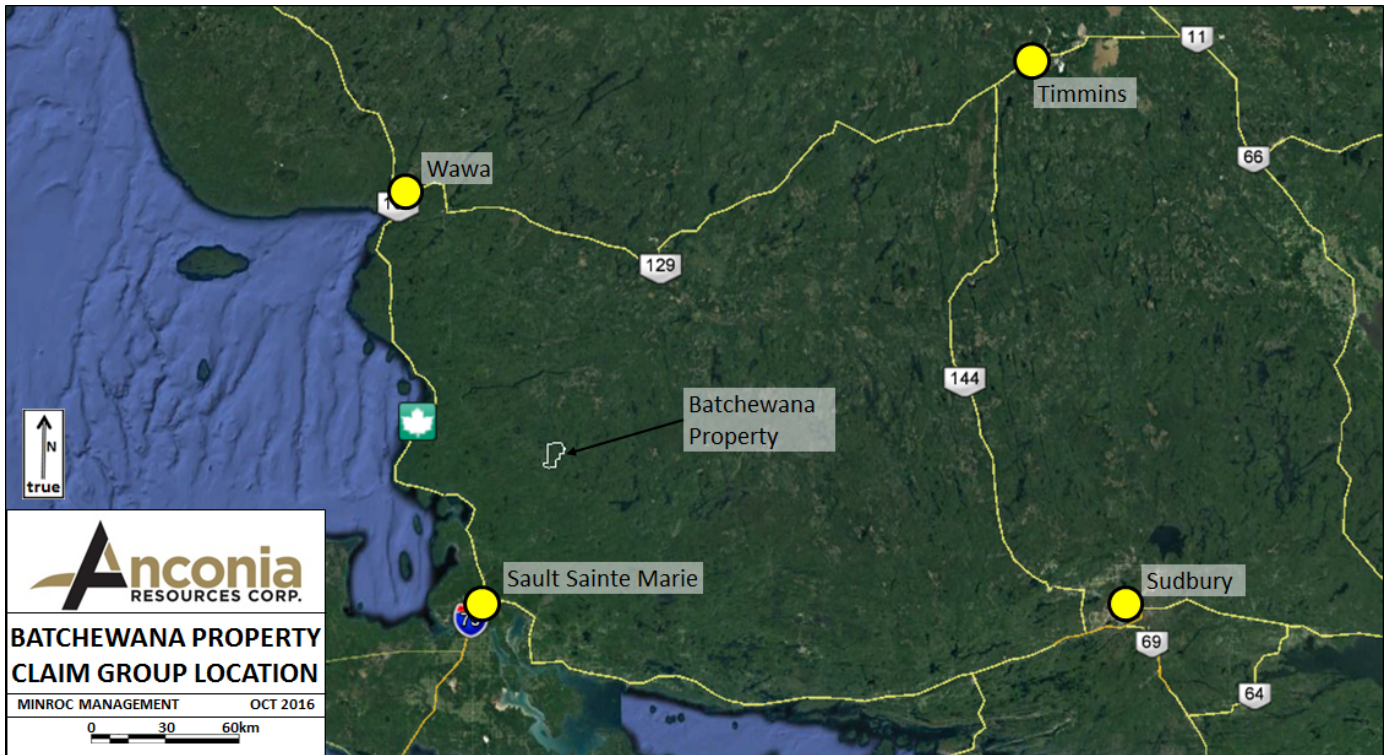


Figure 1 Location of the Batchewana Property

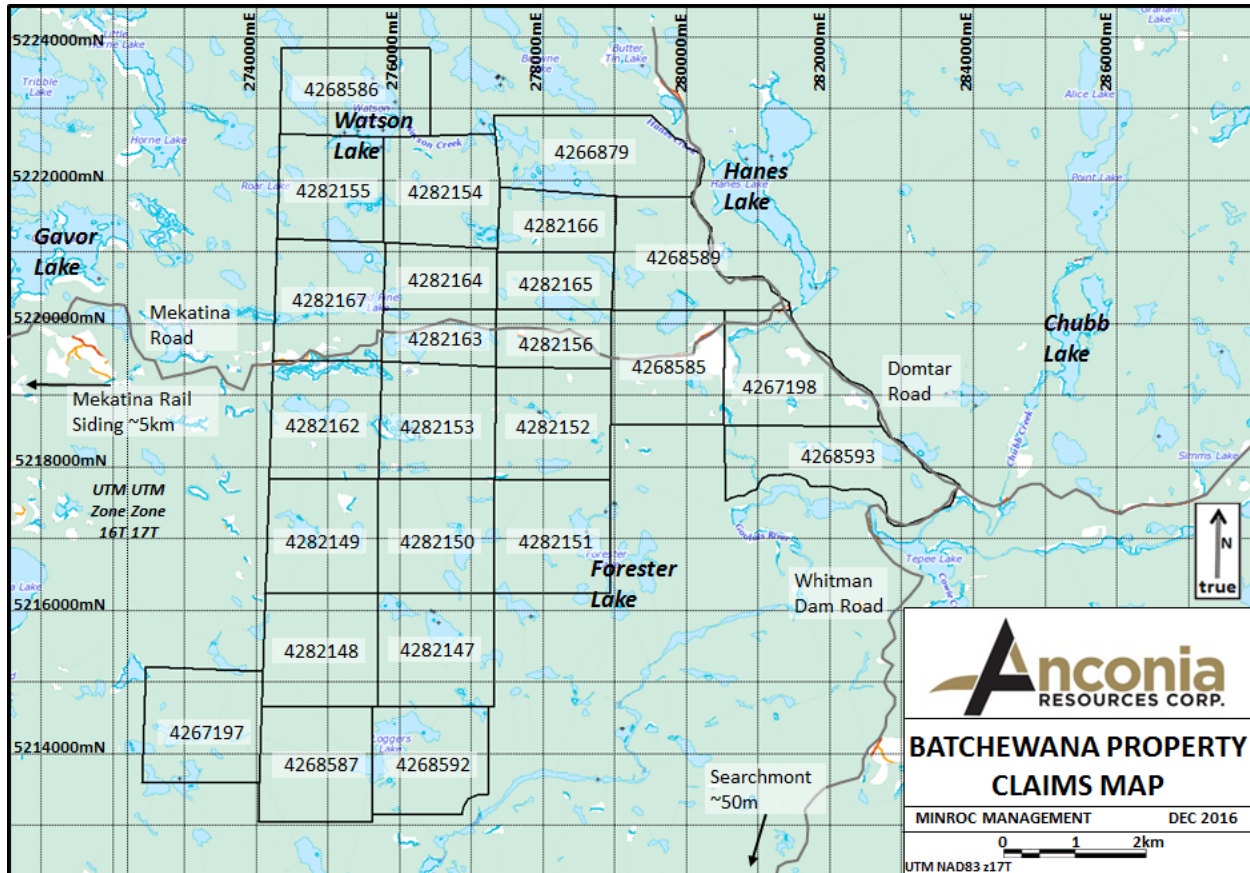


Figure 2 Claim Details

### 3.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE & PHYSIOGRAPHY

The northern portion of the property is accessed via logging roads from the small skiing resort town of Searchmont. Searchmont is reached from Sault Ste. Marie by driving north on Highway 17, taking Highway 566 eastward in the Heyden area, and turning north on Highway 532 in the Glendale area, taking about 30 minutes. From Searchmont, the Whitman Dam logging road runs northward into the Algoma Highlands for 56 km. Here it joins the Domtar logging road. The Domtar road is followed northwestward for about 4 km, at which point it forms part of the eastern border of the Batchewana property. Several unmaintained logging roads and ATV trails run from the Domtar Road into the property, including the Mekatina Road which is driveable with a truck.

The southern portion of the property (the Loggers Lake area) was not visited in 2016 but is accessible via another logging road which branches west from the Whitman Dam Road near Ogidaki Mountain.

Many of the lakes on the property are accessible by floatplane. The property could also be accessed by rail, using the Algoma Central Rail line and alighting at the Mekatina siding, before taking a truck or ATV east along the Mekatina Road about 10 km to the edge of the property.

The physiography of the region is typical of the Algoma Highlands with many lakes and streams, a cover of mixed forest over hills which are typically low and rolling, although bedrock ridges can form steep hillsides. The larger lakes in and around the property are named and include Hanes Lake, Watson Lake, Red Pine Lake, Loggers Lake and Forester Lake. There is relatively little swampy ground but cedar swamps do exist in low areas. A drainage divide traverses the property in a roughly north-south fashion, with the eastern and western areas draining into the Goulais and Harmony Rivers respectively. The average elevation is 450-470 m above sea level; two hills on the property reach 530 m altitude. Overburden thickness is highly variable.

The climate is a mid-continent, northern environment, with -20°C (average) winters. The winter field season for geophysics and drilling may require lake-ice that is available from late December to late March or early April. However, ice roads suitable for moving heavy equipment are usually only possible from late January to mid-March. The summer field season begins in late April to early May with access via float-planes into suitable local lakes. Float-equipped aircraft can operate from late May to well into October. The weather is typically humid in summer with temperatures in the 20°C to high 30°C range.

## **4.0 HISTORY**

See Table 2 for a summary of work in the property area.

Exploration has taken place across different parts of the property since approximately the 1970s. A series of trenches were found by the author near a sulphidic felsic unit in the centre of the property which were judged to date prior to the 1970s.

Hudson Bay Oil and Gas Mining Ltd. (HBOG) were active in the area in the 1970s, flying airborne magnetic and conductivity surveys before completing ground surveys, trenching and exploratory diamond drillholes on conductive anomalies with the intent of uncovering massive sulphide deposits. A 1979 OGS map (Grunsky 1979) shows HBOG trenching activities in at least five widely-spaced areas of the property, as well as two DDH in claim 4268585 (DDH B-GR-4-76 and B-GR-4A-76; Giesbrecht 1976). Exploration by HBOG typically uncovered graphite beds or pyrite-pyrrhotite stringers within felsic volcanics and chemical sediment units. Noranda Exploration completed follow-up ground geophysical surveys in the early 1980s and drilled two DDH in two of the HBOG target areas; one north of Watson Lake and one south of Hanes Lake. Both are presently off the property.

The most intensely explored part of the property is the Wolverine area in the northeast. Trenching is reported to have taken place in the late 1960s before R J Fraser staked the area in the early 1980s, referring to it as the Hanes Lake West property (Fraser 1982). Noranda



Exploration Co Ltd. (Noranda) optioned the claim group in the late 1980s, referring to it as the Wolverine Option, and completed further stripping, humus sampling, channel sampling and finally a six-hole DDH program in 1991 (Pressacco 1989a,b; 1991a,b). A DDH interval from below the main trench (DDH WOL-90-1A) gave 2.18% Zn over 3.92 m, while surface channel samples gave values up to 9.68% Zn over 0.3 m (sample 80768). A weighted average grade was calculated for the main sulphidic horizon and presented on a geologic map of the main (5W) trench (Pressacco 1991a), as follows: 8.53% Zn over 28.5 m strike length; 0.3 to 0.75 m width. Elevated values exceeding 0.1% Zn were frequently encountered in parallel iron formation units.

Approximately half of the Noranda work area, including the majority of the trenches and the Main/5W Trench, lies within the present Batchewana property. Assessment files are available for much of the work completed by Noranda (see References). Noranda was primarily exploring for a VMS-style base metal deposit but were also focused on two gold occurrences, one now referred to as the Chippewa Showing and the other within a quartz vein system east of the Wolverine trenches adjacent to the Domtar Road (known as Trench 3+75W; from which a 0.1oz/ton Au value was received, Pressacco 1991a).

Exploration also took place in the Watson Lake area in the early 1990s, where ground geophysical surveys and soil and bedrock sampling were completed on a property originally held by Noramco Mining (Lashbrook 1990; Murdy 1993). Several notable areas were uncovered, where base and precious metal soil anomalies lay above conductors. The most promising of these lay on the southeast shore of Watson Lake, where humus samples gave highs of 590 ppm Zn and 13 ppb Au, and outcropping sulphidic units gave assays of 1820 ppm Cu (sample A-9), and 9.6 ppm Ag (sample A-19; Murdy 1993). The units were described as gossanous iron formations but little other geologic information was given. This area lies within the present Batchewana property.

Other properties of note in the wider area are the Goulais River banded iron formation deposits and the Hammar-Bridge iron formation hosted gold prospect, lying about 15km east and west of the property respectively. Both are located on private patented ground.

**Table 2 Summary of Work History in Batchewana Property Area**

<b>Area</b>	<b>Date</b>	<b>Party</b>	<b>Summary</b>	<b>Description</b>	<b>MNDM Assessment Files</b>
<b>Porphyry Showing</b>	~1960s?	Unknown	Trenching	Trenches in Porphyry Showing Area	-
<b>Wolverine</b>	~1960s	Unknown	Trenching	Trenches in Wolverine/Hanes Lake Area (acc. To R J Fraser)	41O04SW0014
<b>Regional-scale</b>	1975-76	Hudson Bay Oil and Gas	Geophysical, drilling, trenching?	Airborne magnetic and resistivity surveys. DDH testing of geophysical anomalies (two within property). Possible trenching (acc. To E C Grunsky)	20006965, 41N01NE0226
<b>Watson Lake</b>	1983,85	Noranda Expl	Geophysical, drilling	Ground magnetic and resistivity follow-up on two HBOG targets ~1 km NW and SE of present property boundary. DDH testing	41O04NW0003, 41O04NW0004, 41O04SW0017
<b>Wolverine</b>	1982	R J Fraser	Mapping, stripping, geophysics	Initial discovery of Wolverine Zn Horizon at Hanes Lake. Stripping and small scale magnetic survey	41O04SW0014
<b>Wolverine; Chippewa Showing</b>	1983-89	Noranda Expl	Trenching, geophysical, humus	Detailed exploration of Zn Horizon, strike extensions, and parallel horizons. Chippewa Showing uncovered (13+25W Trench). Some work beyond current property boundary	41O04SW0015, 41O04SW0016, 41O04SW0010, 41O04SW0012, 41O04SW0008, 41O04SW0003, 41O04SW0001
<b>Wolverine</b>	1990	Noranda Expl	Drilling	7 DDH totalling 1243.95 m. Five within current property	41O04SW0002, 41O04SW0007
<b>Watson Lake</b>	1990	Noramco	Geophysical	Ground magnetic and resistivity	41O04SW0005
<b>Watson Lake</b>	1992	A Murdy	Mapping, recon sampling, humus	Soil and bedrock sampling	41O04NW0013, 41O04NW9139
<b>Wolverine; Chippewa Showing; Red Pine Lake; Loggers Lake</b>	2011	Anconia Res	Sampling	Grab and channel samples taken across property	20000007241
<b>Whole property</b>	2016	Anconia Res	Geophysical	Reinterpretation of regional airborne magnetic and resistivity data (by Scott Hogg & Associates)	-

## **5.0 REGIONAL GEOLOGY**

The Batchewana Property lies within the Batchewana Greenstone Belt, in the south-central part of the Superior Province of the Canadian Shield. This is a typical but very underexplored greenstone belt of Archean age and forms an arc, about 10-20 km thick and running about 80 km in a swath from the Lake Superior shoreline near Batchewana Bay inland to Morrison Lake in Nahwegezhic Township. It consists of mafic to felsic volcanic units (the Dismal and Griffin Assemblages) as well as clastic and chemical sediments (the Wart Assemblage), folded such that they typically dip subvertically and strike east to southeast. The clastic sediments fill a slightly younger basin system within the greenstone belt (Grunsky 1987). The belt is surrounded by Archean granitoids to the north and south (the Algoma Plutonic Domain and the Ramsey Gneiss Domain), and is regionally metamorphosed to greenschist facies. It is believed to form part of a larger Archean accretionary system that also includes the Swayze and Abitibi Greenstone Belts of Ontario and Quebec. The Batchewana belt is significantly overprinted by Proterozoic units relating to the Keweenawan or Midcontinent Rift system, comprising diabase dykes and stocks, breccia pipes and, in the west, thick sedimentary sequences.

## **6.0 PROPERTY GEOLOGY**

The property is underlain by an Archean suite, likely belonging to the Dismal Assemblage, dipping subvertically and striking southeast to east-southeast. Mafic pillows, flows and sills predominate but are accompanied by intermediate and felsic volcanics and tuffs as well as siltstones, arkoses, conglomerates and iron formations. These exhibit the distinctive chloritic alteration of the greenschist metamorphic facies, but amphibolite metamorphism is predominant in some localised areas. A schistose foliation is present in some areas. A series of magnetic breaks cross the property, striking very roughly east-west and often corresponding to topographic lows; these are interpreted as regional-scale faults.

A small outlier of Huronian conglomerate exists at the southern end of the property in Lunkie and Dablon Townships, covering an area of about 100 hectares and reportedly having a similar foliation to the underlying Archean units (Archibald 2011). It lies on the south limb of one of the east-west magnetic breaks and may be evidence for vertical fault movement.

Weakly feldspar-porphyrific felsic (probably dacitic) units are present across the centre of the property with a continuous disseminated pyrite content of 1-2%. These units commonly exhibit a very low-angle foliation and possible fractionation, and based on this may be Proterozoic in age.

Numerous Proterozoic diabase dykes cross the property, mostly in a south-easterly fashion. The thickest dykes are in the Red Pine Lake area and may be as much as 100 metres wide. Most appear to be Keweenawan but a small number are highly magnetic and may belong to the Sudbury swarm.

See Figures 3 and 4 for the regional and local geologic setting of the property.

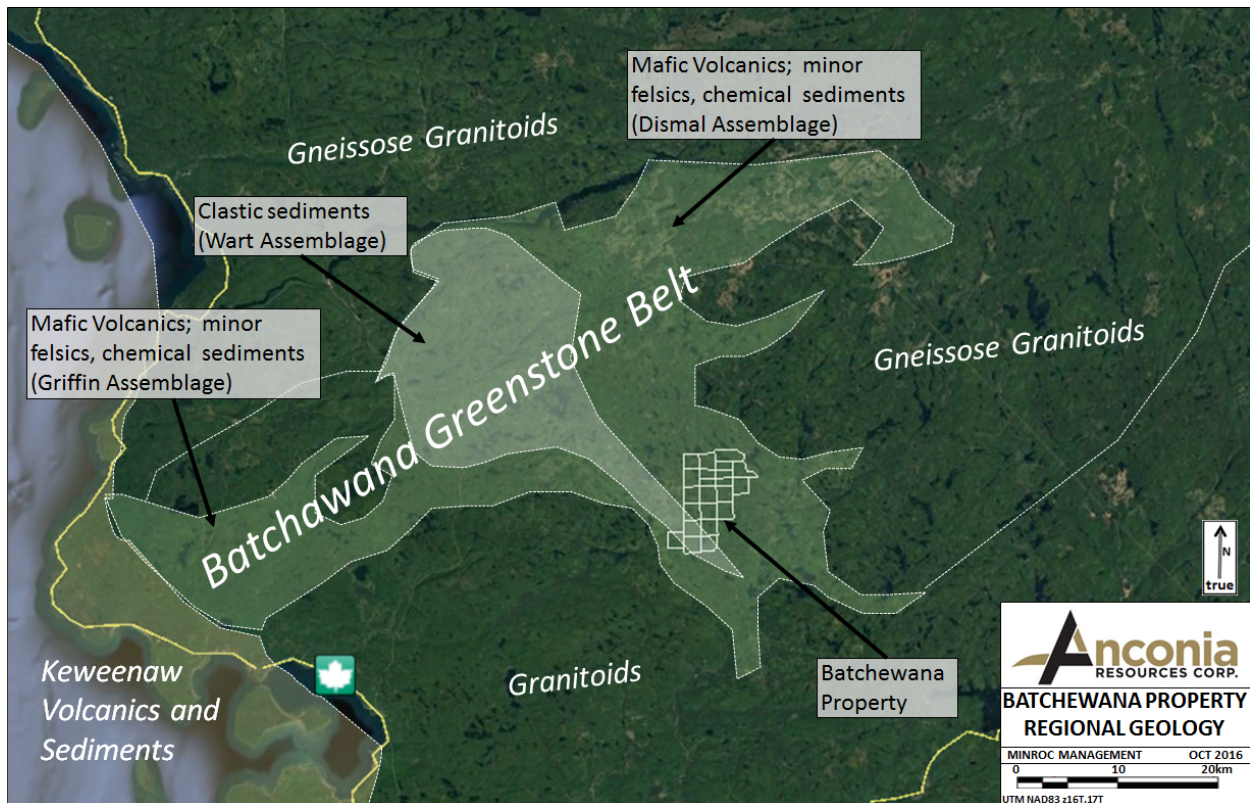


Figure 3 Regional Geology

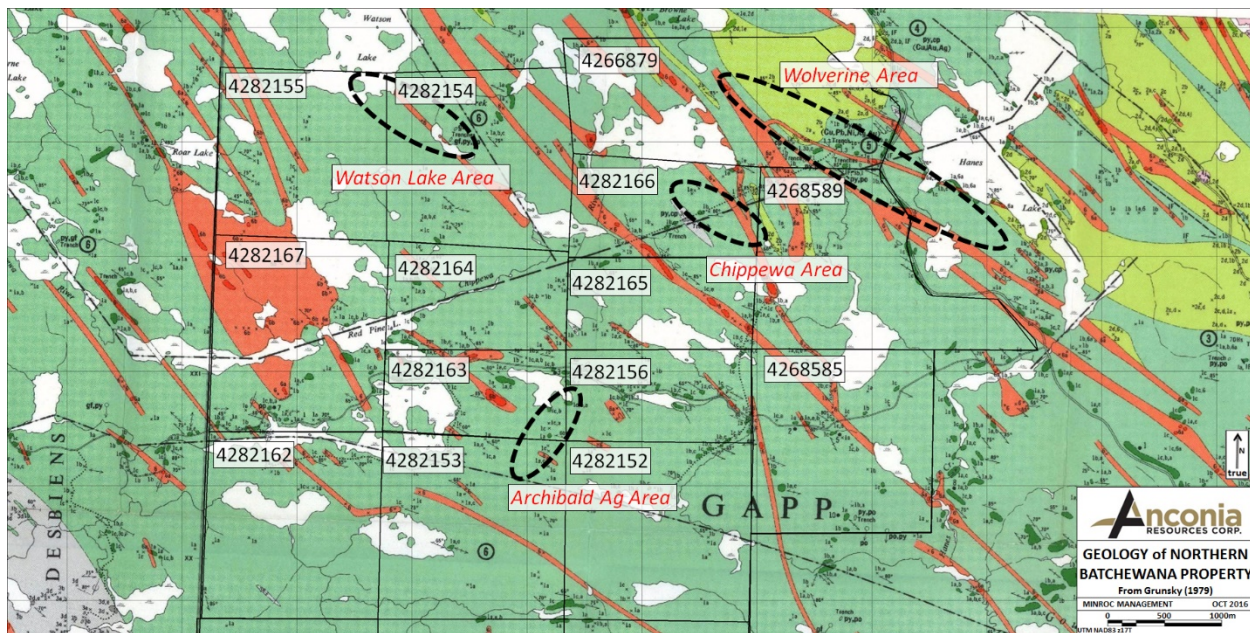


Figure 4 Geology of the northern half of the Batchewana Property

## **7.0 MINERALIZATION**

The geology of the property is favourable for the presence of several deposit types, including volcanogenic massive sulphides (VMS), gold deposits hosted by iron formations and shear zones (such as those in nearby Desbiens and Davieaux Townships), and Proterozoic breccia Cu deposits such as those at Tribag, Breton and Coppercorp.

The Archean units are frequently sulphidic. Rusty and massive sulphide-bearing pods, lenses and selvages are commonly seen in both volcanic and sedimentary units. Sulphidic iron formation units are common in the Wolverine area, and usually have a thickness of 1-5 m. These can be traced over several hundred metres. Sulphide mineralization is typically controlled by stratigraphic features although pyrite-pyrrhotite clots in volcanic units south of the Mekatina Road may be associated with quartz-carbonate fracture-fill veinlets. Commonly observed sulphides include pyrite, pyrrhotite and chalcopyrite, while sphalerite and galena are also frequently found in at least one massive sulphide unit at Wolverine. Auriferous pyrite is found within cherty beds in sericitic mudstones at the Chippewa Showing.

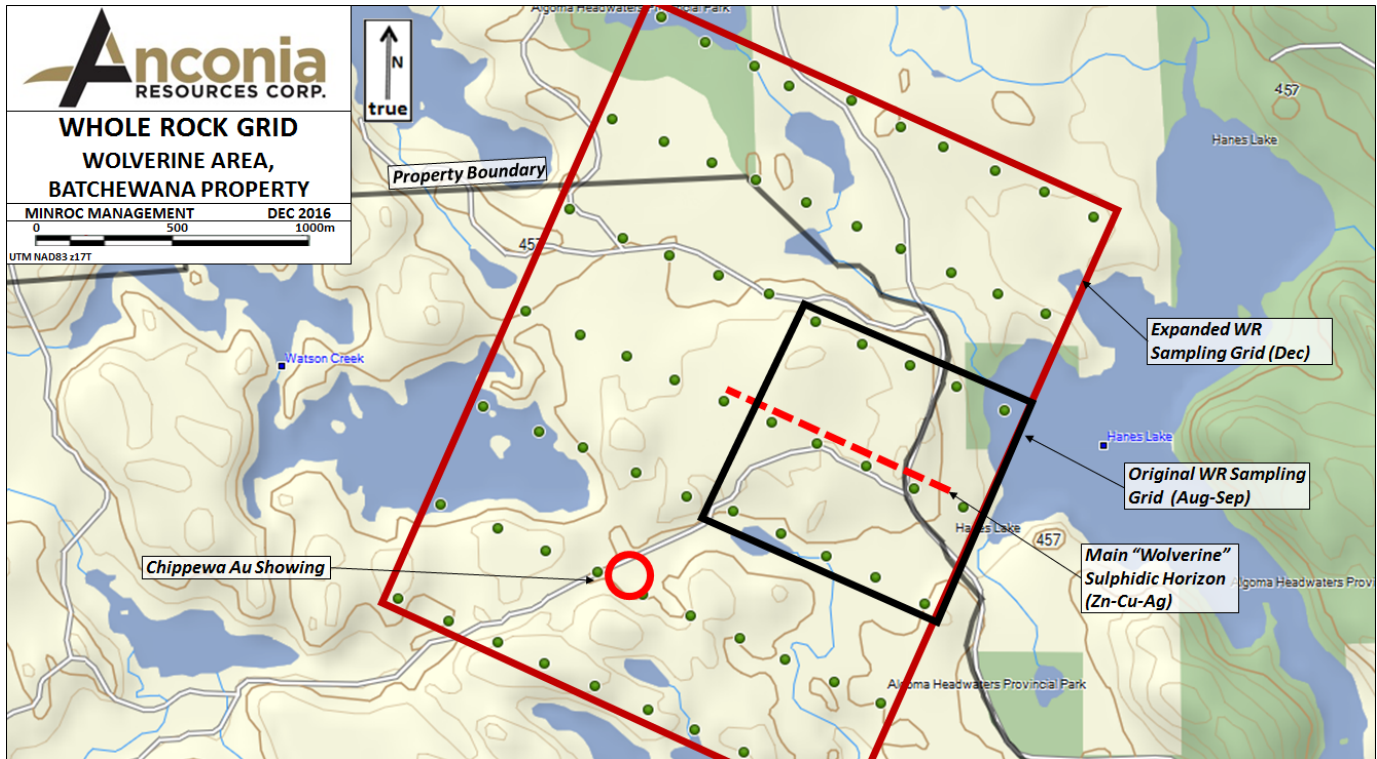
The felsic porphyry units in the centre of the property are known to host disseminations and clots of pyrite with trace chalcopyrite, and are also known to be auriferous. These may have a loose association with low-angle white quartz veins commonly seen in these units. The weakly auriferous porphyry-hosted quartz blowouts visible at the eastern property boundary near Hanes Lake may be another example of this unit.

Another, poorly characterized polymetallic system is present on the property near Watson Lake. It is known to carry chalcopyrite and silver, while soil anomalies imply zinc and lead sulphides are also present. The hosting units appear to be a mix of sheared felsic tuffs and a tachylite-welded breccia of uncertain affinity.

## **8.0 WORK COMPLETED AND FINDINGS**

### **8.1 Grid and Work Description**

The existing Whole Rock grid was set up with easting lines with 200 m spacing running perpendicular to the local strike and centred on the Wolverine Main Trench. Sampling locations were set up at 200 m intervals along the gridlines. The original grid covered an area of 800x800 m; the December grid expansion followed the same pattern and expanded the grid to cover an area of 2000x2400 m. The expansion covered additional areas to the northeast, northwest and southwest (i.e. across strike in both directions, and along strike to the northwest). It lies within claims 4266879, 4268589 and 4282166.



**Figure 5 Whole Rock Sampling Grid Coverage, Northeastern Batchewana Property**

The northern edge of the grid lies beyond the property boundary on unstaked Crown Land. Of the thirty-seven whole rock samples, ten were taken from off the property. These samples are still of value as the whole-rock data will still contribute to the interpretation of any alteration halos present, and so could still assist future exploration on the property.

Whole-rock samples were taken from bedrock as close as possible to the grid sampling locations, save where the available Whole rock samples were retrieved using hammers and other hand tools, while the two samples from the Wolverine main trench were cut using a diamond saw, from the horizon that is known to contain massive and semimassive sulphide lenses and provided high base and precious metal assays in August and September (Wellstead and Newton 2016). After retrieval samples were sealed in sample bags with unique numbered identification tags.

The eventual traverse coverage was determined partly by terrain restrictions: low-lying and wetland areas were avoided if the chance of finding outcrop was deemed to be low. Limited available field time also led the southern area to be given a lower priority, as it lies on the far side of a known property-scale fault with unknown displacement (the “Chippewa Fault”). This area was not visited in December.

Samples were delivered by Minroc personnel to ALS Minerals in Sudbury, Ontario. The Whole Rock samples were assayed using the “ME-ICP06” ICP-AES method for a suite of common rock-forming oxides, as well as the “ME-MS81” ICP-MS method with lithium borate fusion, for a suite of trace elements.

The Wolverine Main Trench samples were assayed using the “ME-MS61” ICP-MS method with four-acid digestion for a package of major and minor elements, as well as “Au-ICP21” fire assay for gold. Both samples returned zinc overlimits and were further tested by the “Zn-OG62” ICP-AES method.

## **8.2 Observations**

Most units in the area are volcanic; those southwest of the Wolverine stratigraphic horizon are mafic, while most to the northeast are intermediate. Minor sedimentary units are present around the Chippewa showing and in the northeast, beyond the property edge (where a gritstone or microconglomerate unit was seen). Sedimentary units near the Chippewa Showing display kink-folding and a stronger schistosity than any of the volcanic units. A significant Proterozoic diabase sill is found about 1 km due west of Wolverine where it forms a steep hill.

The northern extension of the grid lies beyond the property boundary and covers an area listed as a gold and copper showing (Hanes Lake North). An area which may have been stripped historically was found at the exact UTM for the occurrence location as listed in the OGS Mineral Deposit Inventory. Intermediate tuffs were seen in what little bedrock was easily accessible here. At a nearby location (sample 1408846), pyrite clots and possible malachite were seen in epidotized mafics.

Two further historic trenches from the Noranda exploration programs in the 1980s were discovered while traversing the northwestern grid extension. Both were partly flooded, with smooth bedrock exposed in some places which could not be sampled with hand tools. These locations lie approximately on-strike of the Wolverine Main Trench and can be explored more thoroughly during future visits.

No meaningful way-up indicators, such as pillows, were seen in the available outcrop. This was at least partly due to the thick snow cover which made it difficult to expose large areas of bedrock.

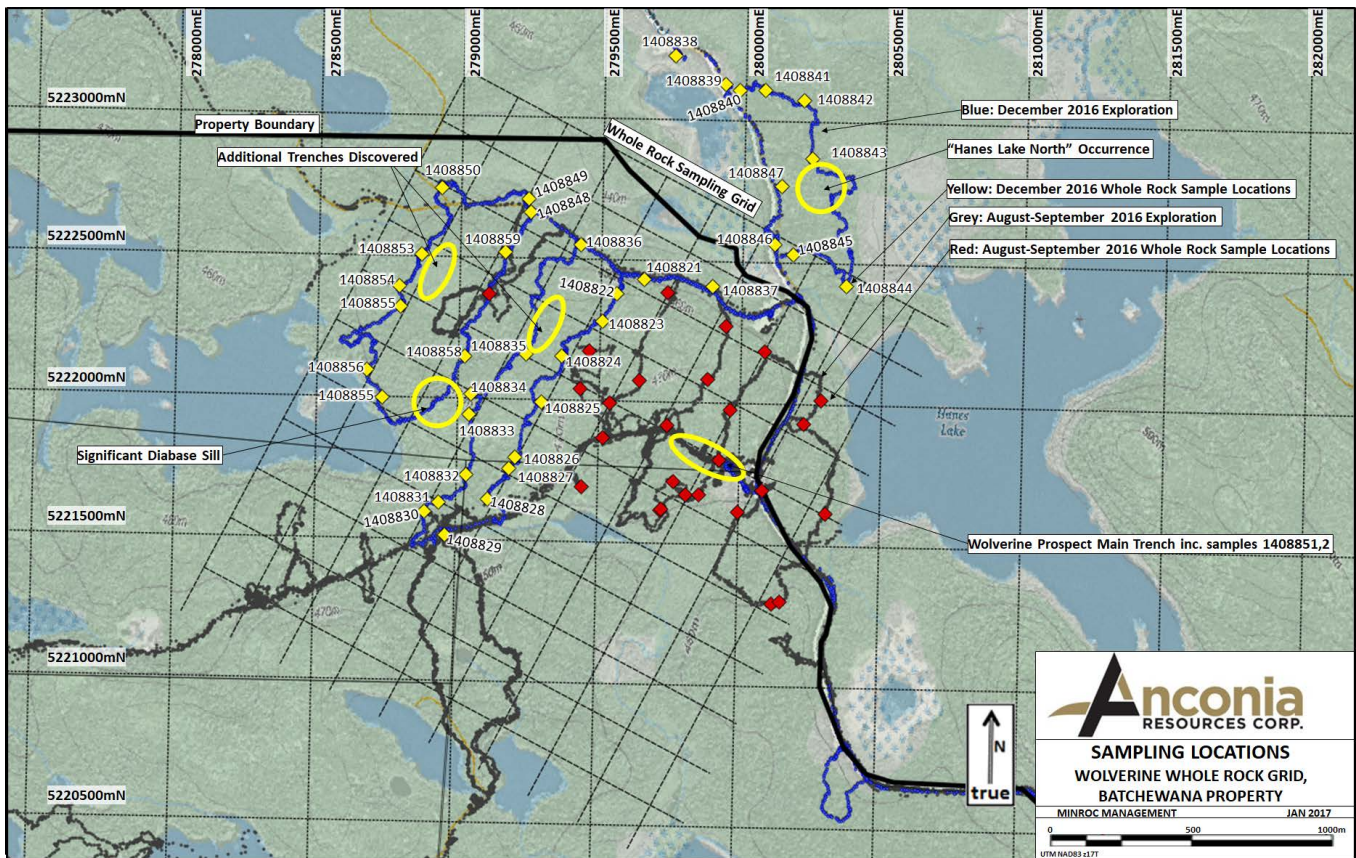
## **8.3 Confirmatory Wolverine Sampling**

Two grab samples were collected using a diamond saw from the sulphidic horizon in the main Wolverine trench, in order to confirm high base and precious metal values from the August-September program. Descriptions, locations and assay values are given in Table 3 and Figure 7:

**Table 3 Confirmatory Samples Taken at Wolverine Main Trench**

Sample	Description	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn %
1408851	massive sulphide	0.052	9.16	283	586	18.05
1408852	graphitic schist with sph clots, cpy-po stringers	0.025	4.1	1035	160.5	6.5

The results confirm the presence of zinc mineralization in the form of sphalerite as well as silver and copper mineralization. Lead is confirmed to be present in relatively low amounts in relation to zinc.



**Figure 6 December Traverse Coverage and Findings, Wolverine Whole Rock Grid**



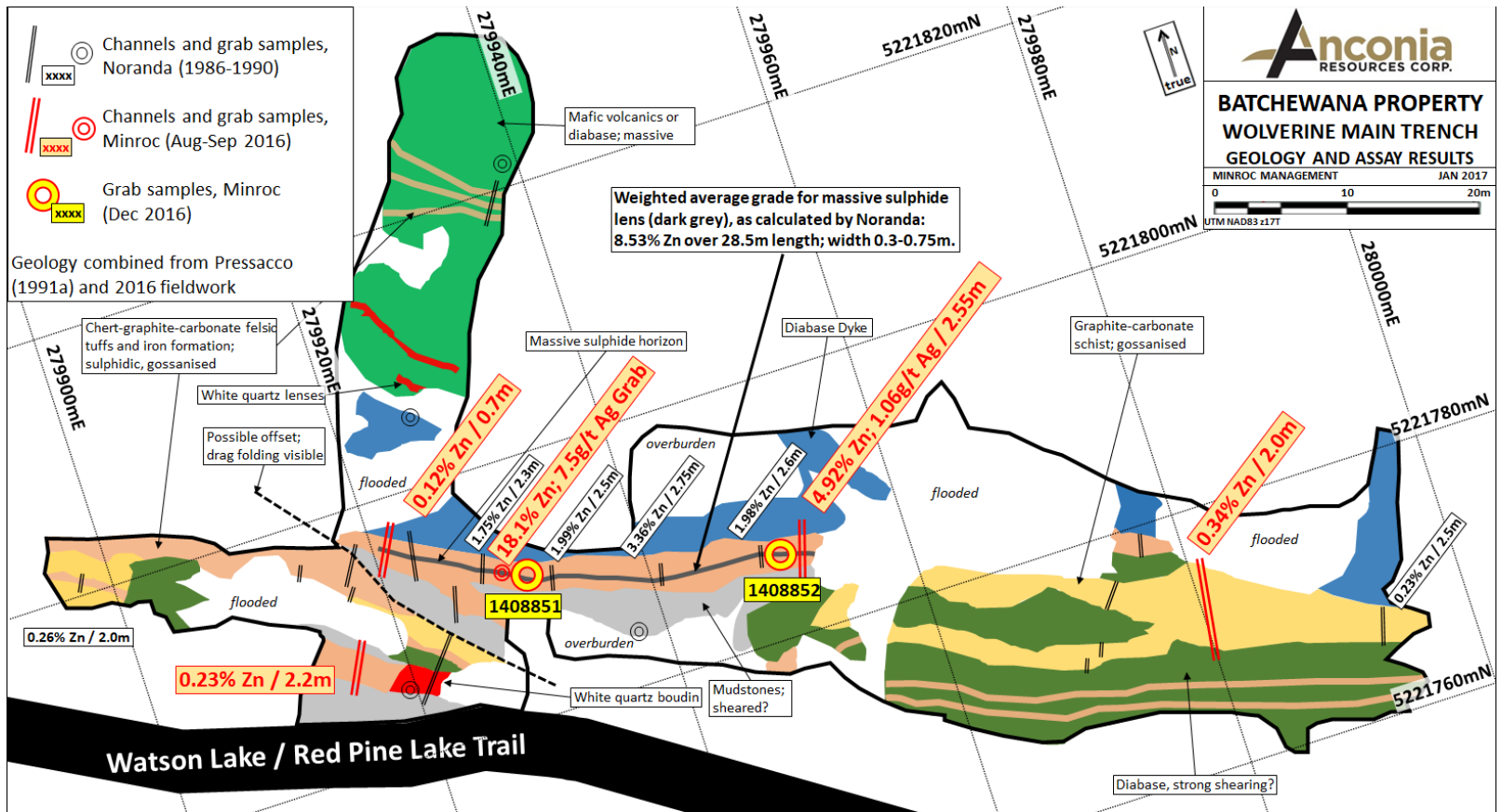


Figure 7 Location of Confirmatory Samples in Wolverine Main Trench

## **9.0 ADJACENT PROPERTIES**

The Batchewana Greenstone Belt is mostly covered by patented ground and consequently it has seen relatively little detailed exploration work historically. Adjacent to the west lies Desbiens Township which is one of seven patented townships historically associated with the Algoma Central Railway. Extensive private holdings also lie to the north and east of the property.

### **Olsen-Davieaux-Desbiens Gold Mineralization**

A series of iron formations and shear zones in Desbiens, Davieaux and Olsen Townships are known to be auriferous. A number of small properties have historically covered parts of this sequence although comprehensive exploration has historically been hindered by the presence of the patented townships. The most thorough exploration took place at the Mine Pond or Hammar-Bridge prospect which lies in Davieaux township. This was drilled by several holders from the 1940s to the 1980s, most extensively by Massive Energy Ltd in 1984-87. Drillhole intervals up to 8.43 g/t Au over 5.01 m (DDH 85-10) are associated with sulphidic iron formations which strike east-west (Pace 2010b). The same iron formations continue to be auriferous further west in Olsen Township (Crown Land), where a 1986 drill program gave a value of 15.77 g/t Au over an unknown width (DDH RMP-86-9; Foster 1987). It appears from various piecemeal exploration programs that this iron formation system is at least intermittently gold-bearing over a strike of at least 20 km. This system appears to strike into the southern part of the Batchewana property, which is yet to be explored by Anconia.

Further auriferous sulphide mineralization is present in Desbiens Township at a location known as the Rainbow Showing. This sheared sequence of pillowed volcanics and sediments hosts pyritic quartz-carbonate lenses over a strike of about 1 km. It has been visited twice by Anconia personnel, yielding grab sample assays up to 42 g/t Au (Sample 1201401; Archibald 2011) and 12.71 g/t Au (Wellstead and Newton 2015). This shear zone is subconcordant to stratigraphy and lies about 1km northeast of the auriferous iron formation unit. It is highly likely to strike onto the Batchewana Property in its southern half.

### **Percy Lake VMS Target**

The Percy Lake area has seen recent exploration intended to outline VMS-style mineralization in the Dismal Assemblage. A small drill program completed by Vault Minerals in 2006 tested targets highlighted in earlier soil surveys, and outlined pyrite-chalcopyrite-sphalerite-galena mineralization in stratabound lenses and in secondary quartz veins. Intervals include 2.77% Zn over 1.0 m (DDH 06-PL-004; Lengyel 2006). Many targets remain to be drill-tested. The claims are presently inactive but the Percy Lake mineralization proves that other portions of the Dismal Assemblage are prospective for VMS mineralization.

## **Goulais Iron Ranges**

A significant Algoma-type banded oxide iron formation sequence is present to the east and north of the property, striking for about 30 km and coming to within a few hundred metres of the northeastern property edge. There has been sporadic interest in these Goulais Iron Ranges since the 1920s, and large patent blocks still cover parts of the sequence. The largest holding lies in Nahwegezhic Township, about 10km southeast of the Batchewana Property, at the time belonged to Essar Steel (the Cowie-Morrison Property). A 2013 summary report describes a historic open-pit tonnage estimate of 9,573,000 tons at 20.4% iron (Magyarosi 2013). This historic estimate does not constitute a NA 43-101-compliant resource.

## **Tribag and Coppercorp Cu Breccia Deposits**

The Tribag breccia pipes lie about 40 km west of the Batchewana Property. These consist of quartz-welded heterogenous breccias carrying chalcopyrite, sphalerite, molybdenite and scheelite. These are of Proterozoic age and are intruded into the Archean units of the greenstone belt. Exploration was undertaken in the 1950s and 1960s by Sylvanite Gold Mines and later the Tribag Mining Company. The Tribag West and Breton pipes reached the production stage, and the Breton pipe was mined to a depth of about 300 m, with production of 400-500 tons daily at a grade of about 1.7% Cu from 1967 to 1972 (Hailstone 2005, Pace 2011a). The Breton pipe is about 400 m long by 100 m wide. Other breccia pipes are known in the vicinity including Tribag East and the Sandra Breccia, although these have not been mined historically.

The Coppercorp deposit lies further west, and is similar overall to the Tribag breccias except that it is structurally-controlled within Keweenaw units. Coppercorp was in production from 1965 to 1972 at a rate of 500 tons per day at grades of about 2% Cu (Pace 2011b). The property has been explored in recent years and is presently held by Superior Copper Corporation.

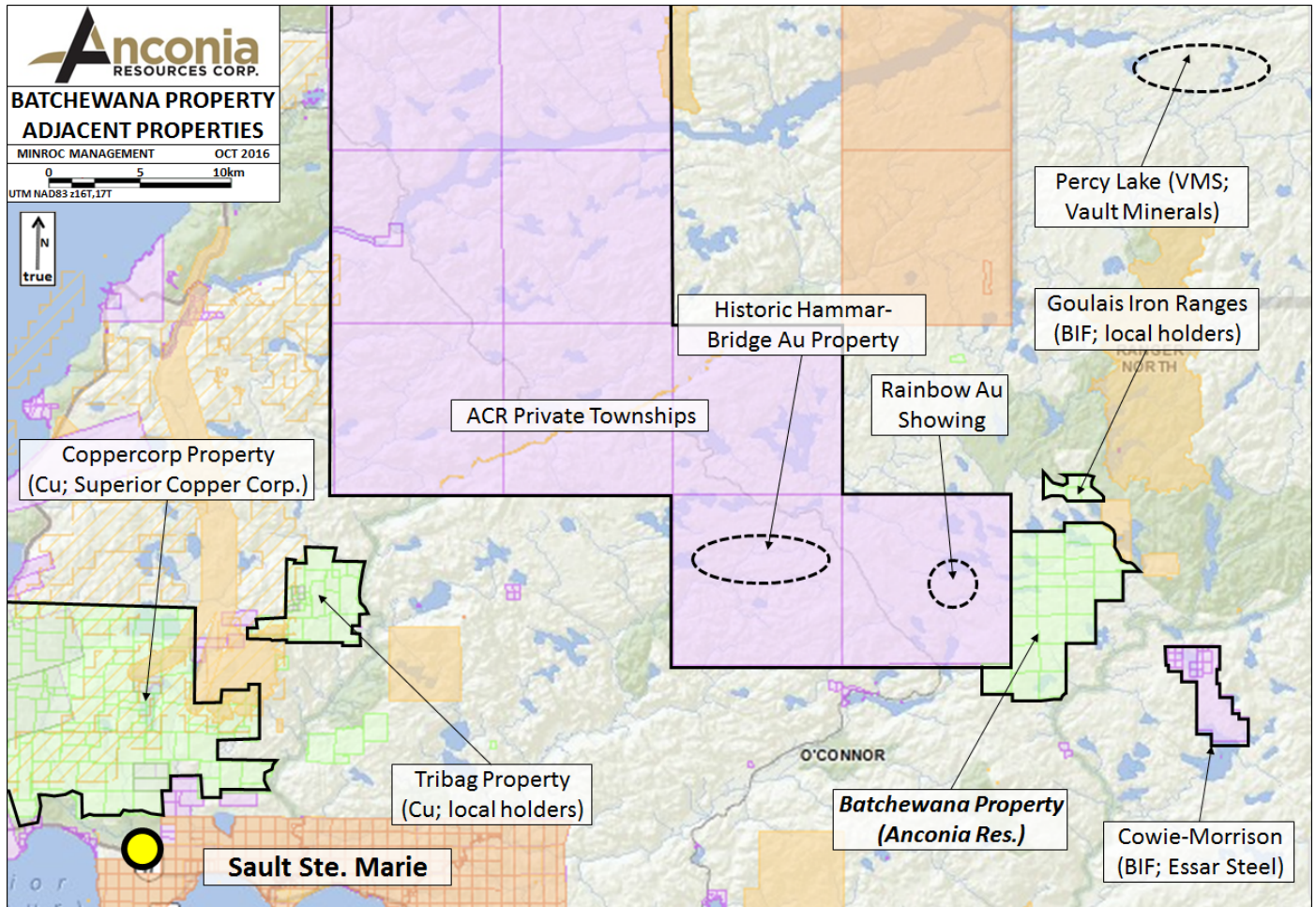


Figure 8 Adjacent and nearby properties

## 10.0 CONCLUSIONS AND RECOMMENDATIONS

A detailed interpretation of the whole rock data will be completed at a later date as part of a full reassessment of existing geologic, geochemical and geophysical data from the property. The existing interpretation of findings from the August-September field program is that the wolverine prospect consists of a series of sulphidic iron formations and a stratabound sulphidic lens, which may form part of a larger volcanogenic massive sulphide system. The known mineralization is strongly controlled by the availability of outcrop, and so wider mineralized zones may exist at depth or along strike. Multiple stratigraphic mineralized zones may exist across-strike, of which the Chippewa Au showing may be an example. The stratigraphic “up” is tentatively believed to be to the southwest.

Future work on the Batchewana property should be completed in two stages:

1: A data reinterpretation as mentioned above. This should concentrate on deriving geochemical vectors from the whole rock data to help select exploration targets for drilling and/or trenching in the Wolverine and Chippewa areas. A reassessment of more limited data from other parts of the property (e.g. Watson Lake, the south of the property) should also be completed.

2: Drill-test the Wolverine prospect. A small drill program of five or six drillholes of 100-200 m length would allow the known mineralization to be confirmed at depth and expanded upon. Depending on the outcome of the interpretation, this may focus on undercutting the main trench, or other targets along strike or across strike.

The drill program could be expanded to incorporate one or two drillholes in the Watson Lake area. This program could take place concurrently with a reconnaissance mapping visit to the south of the property, and improved surface mapping and sampling in the Wolverine and Watson Lake areas.

## 11.0 REFERENCES

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Pace, A 2011b: Coppercorp Mine – C Zone. Past Producing Mine with Reserves. Ontario MNDM Mineral Deposit Inventory entry MDI41N02SW00004

Magyarosi, 2013: Summary Report, Cowie-Morrison Property, Nahwegezhic Township, for Essar Steel Algoma Inc.

Wellstead, M P and Newton, F 2015: Report on the October 2015 Site Visit at the Rainbow Property, Desbiens Township, for Anconia Resources.

Wellstead, M P and Newton, F 2016: Report on the August-September 2016 Fieldwork Program on the Batchewana Property, Gapp Township, for Anconia Resources

## 12.0 DATE AND SIGNATURE PAGE

Certificate of Qualified Person:

I, Brian H. Newton, certify that;

1. I reside at 1518 Jasmine Crescent, Oakville Ontario L6H 3H3 and I am a geologist practitioner for Minroc Management Services Inc., office address 2857 Sherwood Heights Drive, Unit 2, Oakville, Ontario, L6J 7J9
2. This certificate applies to the technical report entitled "Logistical Report on the December 2016 Sampling Program on The Batchewana Property" Dated 15 January 2017.
3. I am a graduate of McMaster University, Bachelor of Science in Geology (1984) and have practiced my profession continuously.
4. I am a member of the Association of Professional Geoscientists of Ontario (APGO) Registration No. 1330.
5. I am a qualified person for the purposes of National Instrument 43-101- Standards of Disclosure for Mineral Projects (NI 43-101).
6. I prepared sections 1.0 to 11.0 of this Technical Report.
7. I am independent, as described in Section 1.4 of NI 43-101, of Anconia Resources.
8. I have had no prior involvement with the property that is the subject of this Technical Report.
9. As of the date of this certificate, to the best of my knowledge, information and belief, this Technical Report contains all scientific and technical information that is required to be disclosed to make this Technical Report not misleading.

Effective Date: 15 January 2017



Brian H. Newton, P. Geo.



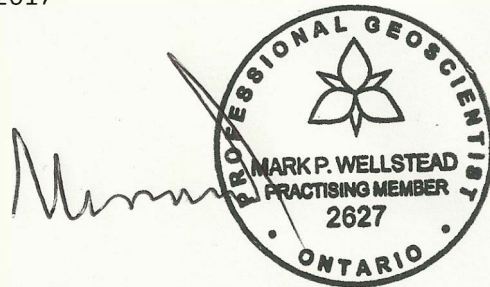


Certificate of Qualified Person:

I, Mark Patrick Wellstead, MGeol, P. Geo, do hereby certify that;

1. I reside at 56 east 24<sup>th</sup> Street, Hamilton, Ontario L8V 2X8.
2. This certificate applies to the technical report entitled "Logistical Report on the December 2016 Sampling Program on The Batchewana Property" Dated 15 January 2017.
3. I am a graduate of the University of Leicester, United Kingdom with a Masters of Geology (MGeol Earth and Planetary Sciences; 2010) and I have practiced my profession continuously since that time.
4. I am a member of the Association of Professional Engineers and Professional Geoscientists of Ontario (Since 2016; Membership Number 2627).
5. I am a geologist and an employee of Minroc Management Ltd., a firm of consulting geologists based in Oakville, Ontario.
6. I am responsible for co-authoring all sections of the report.
7. I am independent, as described in Section 1.4 of NI 43-101, of Anconia Resources.
8. I have had no prior involvement with the property that is the subject of this Technical Report.
9. As of the date of this certificate, to the best of my knowledge, information and belief, this Technical Report contains all scientific and technical information that is required to be disclosed to make this Technical Report not misleading.

Effective Date: 15 January 2017



Mark Patrick Wellstead, MGeol, P. Geo

### 13.0 APPENDIX 1: SAMPLE DETAILS

UTM_E	UTM_N	Sample #	Description	Date
279652	5222433	1408821	int tuff	7 Dec
279554	5222379	1408822	maf vol	7 Dec
279506	5222282	1408823	chl maf vol	7 Dec
279366	5222154	1408824	chl maf vol	7 Dec
279297	5221990	1408825	chl dia/gab	7 Dec
279207	5221794	1408826	maf vol, py str	7 Dec
279184	5221753	1408827	maf vol	7 Dec
279112	5221645	1408828	chl maf-int vol	7 Dec
278963	5221514	1408829	ser mudst sch	7 Dec
278887	5221596	1408830	mag, bluish gab (Sudbury dyke?)	7 Dec
278937	5221631	1408831	chl maf vol	7 Dec
279033	5221731	1408832	int tuff	7 Dec
279041	5221944	1408833	chl maf vol	7 Dec
279048	5222014	1408834	dia, weak chl (Keweenaw?)	7 Dec
279237	5222160	1408835	int vol	7 Dec
279425	5222552	1408836	int tuff/vol, strong lin	7 Dec
279893	5222413	1408837	int tuff	7 Dec
279746	5223226	1408838	maf-int tuff	7 Dec
279926	5223129	1408839	int tuff	7 Dec
279976	5223108	1408840	int vol	7 Dec
280069	5223109	1408841	chl microconglomerate, poss maf agglomerate. Concordant qz-kspar veins elsewhere in o/c	7 Dec
280205	5223075	1408842	maf tuff, dark grey lapilli	7 Dec
280238	5222869	1408843	int vol	7 Dec
280368	5222423	1408844	int vol	7 Dec
280179	5222530	1408845	maf vol	7 Dec
280113	5222563	1408846	maf vol, epi bands, py clots, tr malachite?	7 Dec
280132	5222770	1408847	ser sch int tuff	7 Dec
279245	5222663	1408848	int vol, conc qz st	7 Dec
279238	5222708	1408849	int tuff	8 Dec
278930	5222743	1408850	maf tuff? Strong weathering	8 Dec
278864	5222508	1408853	blocky maf vol or bslt, wk chl	8 Dec
278786	5222392	1408854	gabbro, obvious plag, probably Keweenaw	8 Dec
278790	5222322	1408855	blocky maf vol or bslt, wk chl	8 Dec
278676	5222094	1408856	massive maf vol, poss Keweenaw	8 Dec

278733	5221998	<b>1408857</b>	maf vol/tuff, strong lineation	8 Dec
279022	5222147	<b>1408858</b>	maf vol, qz-ca veinlets	8 Dec
279160	5222519	<b>1408859</b>	chl maf vol or bslt/dia, tr py	8 Dec

## 14.0 APPENDIX 2: ASSAY CERTIFICATES

[ALS cert SD16221930]

[ALS cert SD16221934]



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com

To: **MINROC MANAGEMENT LTD.**  
**2857 SHERWOOD HEIGHTS DRIVE, UNIT 2**  
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Page: 1  
 Total # Pages: 2 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 5- JAN- 2017  
 Account: MINMAN

**CERTIFICATE SD16221930**

Project: Batchewana - Wolverine

This report is for 2 Rock samples submitted to our lab in Sudbury, ON, Canada on 16- DEC- 2016.

The following have access to data associated with this certificate:

FRANCIS NEWTON BRIAN NEWTON	BRIAN NEWTON MARK WELLSTEAD	FRANCIS NEWTON
--------------------------------	--------------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70%<2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Zn- OG62	Ore Grade Zn - Four Acid	ICP- AES
ME- MS61	48 element four acid ICP- MS	
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: **MINROC MANAGEMENT LTD.**  
**ATTN: MARK WELLSTEAD**  
**2857 SHERWOOD HEIGHTS DRIVE, UNIT 2**  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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 Account: MINMAN

Project: Batchewana - Wolverine

**CERTIFICATE OF ANALYSIS SD16221930**

Sample Description	Method Analyte Units LOR	WE- 21	Zn- OG62	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Recvd Wt.	Zn	Ag	Al	As	Ba	Be	B	Ca	Cd	Ce	Co	Cr	Cs	Cu
		kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
1408851		1.88	18.05	9.16	3.20	440	10	1.33	1.08	0.09	528	10.35	180.5	41	0.20	283
1408852		2.77	6.50	4.10	2.61	77.9	<10	0.72	1.58	0.02	219	16.05	21.1	215	0.11	1035

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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Project: Batchewana - Wolverine

**CERTIFICATE OF ANALYSIS SD16221930**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
1408851		12.75	10.50	0.06	1.2	3.95	0.03	3.9	18.5	2.93	627	4.37	0.01	1.8	134.5	370
1408852		14.65	10.80	0.06	1.5	3.03	0.02	7.2	15.5	1.78	432	7.65	0.01	1.8	21.5	420

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Account: MINMAN

Project: Batchewana - Wolverine

**CERTIFICATE OF ANALYSIS SD16221930**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Pb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
1408851		586	0.9	0.007	>10.0	1.51	9.8	18	3.9	2.7	0.14	3.93	1.45	0.090	0.21	0.4
1408852		160.5	0.5	0.013	6.83	0.76	7.5	14	6.1	2.4	0.14	2.74	1.90	0.093	0.48	0.5

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





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 Account: MINMAN

Project: Batchewana - Wolverine

**CERTIFICATE OF ANALYSIS SD16221930**

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-ICP21 Au ppm 0.001
1408851		42	0.4	14.4	>10000	44.5	0.052
1408852		46	0.9	10.2	>10000	56.8	0.025

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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Page: Appendix 1  
 Total # Appendix Pages: 1  
 Finalized Date: 5- JAN- 2017  
 Account: MINMAN

Project: Batchewana - Wolverine

**CERTIFICATE OF ANALYSIS SD16221930**

	<b>CERTIFICATE COMMENTS</b>								
	<b>ANALYTICAL COMMENTS</b>								
Applies to Method:	<p>REE's may not be totally soluble in this method.            ME- MS61</p>								
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	<p>Processed at ALS Sudbury located at 1351- B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU- 31</td> <td style="width: 33%;">LOG- 22</td> <td style="width: 33%;">PUL- 31</td> <td style="width: 15%;"></td> </tr> <tr> <td>SPL- 21</td> <td>WEI- 21</td> <td></td> <td>PUL- QC</td> </tr> </table>	CRU- 31	LOG- 22	PUL- 31		SPL- 21	WEI- 21		PUL- QC
CRU- 31	LOG- 22	PUL- 31							
SPL- 21	WEI- 21		PUL- QC						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au- ICP21</td> <td style="width: 33%;">ME- MS61</td> <td style="width: 33%;">ME- OG62</td> <td style="width: 15%;">Zn- OG62</td> </tr> </table>	Au- ICP21	ME- MS61	ME- OG62	Zn- OG62				
Au- ICP21	ME- MS61	ME- OG62	Zn- OG62						



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Page: 1  
 Total # Pages: 2 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 5- JAN- 2017  
 Account: MINMAN

**CERTIFICATE SD16221934**

Project: Batchewana - Whole Rocks

This report is for 37 Rock samples submitted to our lab in Sudbury, ON, Canada on 16- DEC- 2016.

The following have access to data associated with this certificate:

FRANCIS NEWTON  
 BRIAN NEWTON

BRIAN NEWTON  
 MARK WELLSTEAD

FRANCIS NEWTON

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70%<2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP06	Whole Rock Package - ICP- AES	ICP- AES
OA- GRA05	Loss on Ignition at 1000C	WST- SEQ
ME- MS81	Lithium Borate Fusion ICP- MS	ICP- MS
TOT- ICP06	Total Calculation for ICP06	ICP- AES

To: **MINROC MANAGEMENT LTD.**  
**ATTN: MARK WELLSTEAD**  
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**OAKVILLE ON L6J7J9**

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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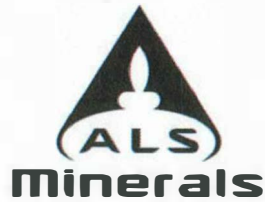
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 Finalized Date: 5- JAN- 2017  
 Account: MINMAN

Project: Batchewana - Whole Rocks

**CERTIFICATE OF ANALYSIS SD16221934**

Sample Description	Method Analyte Units LOR	WE- 21	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81	ME- MS81
		Recvd Wt. kg	Ba ppm	Ce ppm	Cr ppm	Cs ppm	Dy ppm	Er ppm	Eu ppm	Ga ppm	Gd ppm	Hf ppm	Ho ppm	La ppm	Lu ppm	Nb ppm
1408821		0.88	553	47.0	120	1.69	3.01	1.59	1.35	21.5	3.57	4.4	0.59	23.1	0.23	6.2
1408822		0.82	396	39.1	10	0.98	4.65	2.96	1.28	18.9	4.59	3.6	1.00	19.3	0.42	5.2
1408823		0.43	259	47.3	70	0.64	2.60	1.50	1.02	14.9	3.31	3.7	0.51	22.8	0.20	6.1
1408824		0.22	134.5	30.1	110	1.67	5.39	3.35	1.43	18.3	4.78	3.4	1.15	14.3	0.49	6.7
1408825		0.63	341	35.7	70	1.96	5.40	3.51	1.33	19.4	5.10	3.8	1.21	17.9	0.55	6.5
1408826		0.81	88.5	42.3	70	0.34	6.41	4.14	1.59	21.7	5.78	4.6	1.33	19.4	0.62	8.1
1408827		0.75	31.3	11.4	270	0.17	3.60	2.36	0.84	17.2	2.96	1.8	0.79	5.4	0.35	2.5
1408828		0.25	24.6	8.9	240	0.28	3.42	2.35	0.78	17.5	2.76	1.7	0.74	3.5	0.35	2.4
1408829		0.30	237	54.2	90	1.41	2.84	1.72	1.38	14.8	3.69	3.6	0.58	27.4	0.27	5.5
1408830		1.11	865	80.2	20	6.18	5.08	2.41	2.39	23.3	6.87	5.1	0.95	39.2	0.31	11.3
1408831		0.64	58.5	8.0	250	0.28	3.19	2.08	0.66	15.7	2.70	1.6	0.67	3.1	0.33	2.2
1408832		0.84	595	50.0	90	1.48	3.05	1.65	1.18	19.3	3.38	4.3	0.57	25.0	0.23	5.6
1408833		0.27	175.0	25.3	80	0.45	3.39	2.12	0.93	18.0	3.42	2.2	0.72	12.4	0.31	3.3
1408834		1.13	97.4	34.4	60	0.13	5.45	3.62	0.86	19.0	4.67	4.3	1.13	15.2	0.57	7.4
1408835		1.08	71.5	9.7	140	0.17	3.79	2.54	0.82	17.4	3.09	1.7	0.82	3.9	0.37	2.9
1408836		0.61	417	34.3	60	1.46	2.30	1.23	0.98	18.9	2.60	3.9	0.46	18.3	0.18	4.8
1408837		0.78	337	92.1	100	0.76	4.07	2.20	2.19	17.1	5.32	3.7	0.76	42.8	0.31	6.2
1408838		0.38	22.5	42.5	180	0.05	2.92	1.76	0.98	17.3	3.14	4.3	0.58	20.9	0.24	7.8
1408839		0.30	321	50.6	210	0.70	3.21	1.79	1.44	22.0	3.77	4.5	0.63	26.7	0.25	6.6
1408840		0.14	192.0	34.4	170	0.30	2.41	1.42	0.52	10.9	2.52	3.6	0.49	16.2	0.21	5.5
1408841		0.49	241	42.3	210	0.48	2.53	1.39	1.13	18.4	2.83	4.0	0.51	23.6	0.21	5.5
1408842		0.21	362	43.6	240	0.63	2.93	1.73	1.04	16.4	3.20	3.9	0.57	22.4	0.24	5.5
1408843		0.33	276	106.5	490	1.77	4.89	2.59	2.33	15.5	6.34	3.7	0.94	46.9	0.34	9.0
1408844		0.83	287	55.5	180	0.70	4.52	2.54	1.70	20.5	5.17	4.5	0.86	26.0	0.37	8.1
1408845		0.95	295	72.1	100	0.41	3.28	1.79	1.68	19.2	4.50	4.2	0.66	34.4	0.24	7.2
1408846		1.20	286	40.1	560	0.13	3.43	1.77	1.81	19.0	4.12	3.0	0.64	21.5	0.24	6.1
1408847		0.39	306	42.3	80	0.96	2.14	1.27	0.95	14.2	2.73	3.6	0.45	22.1	0.20	4.7
1408848		0.59	12.8	55.1	120	0.07	3.20	1.82	1.41	19.4	3.89	4.5	0.63	26.9	0.27	6.6
1408849		0.99	473	46.4	100	1.17	2.72	1.46	1.06	18.8	3.37	4.1	0.52	22.9	0.20	5.8
1408850		0.72	428	63.4	100	0.97	3.64	2.02	1.66	20.2	4.53	4.1	0.76	30.6	0.28	6.5
1408853		0.90	50.9	55.4	20	0.30	7.07	4.43	1.49	19.1	6.24	5.4	1.48	28.0	0.64	9.9
1408854		0.29	106.5	12.8	170	0.68	4.65	2.99	0.99	18.6	3.73	2.6	1.01	5.1	0.47	3.9
1408855		0.30	188.5	23.3	1120	0.23	3.45	1.99	0.74	14.7	3.63	3.2	0.67	9.3	0.24	6.5
1408856		0.55	157.5	29.2	10	5.19	9.32	6.15	1.98	24.4	8.20	5.1	1.99	11.9	0.93	8.3
1408857		0.78	15.1	29.2	10	0.35	8.92	5.65	2.41	24.2	7.63	4.3	1.85	12.4	0.83	7.6
1408858		0.39	108.5	59.0	110	0.47	3.11	1.68	1.45	18.2	4.01	4.2	0.60	27.6	0.26	5.7
1408859		0.80	41.7	11.7	170	0.17	4.91	3.16	1.09	16.9	4.44	2.7	1.07	4.2	0.50	3.5

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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To: MINROC MANAGEMENT LTD.  
 2857 SHERWOOD HEIGHTS DRIVE, UNIT 2  
 OAKVILLE ON L6J 7J9

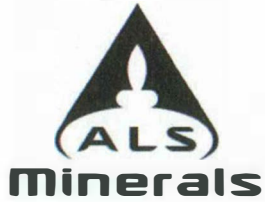
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Project: Batchewana - Whole Rocks

**CERTIFICATE OF ANALYSIS SD16221934**

Sample Description	Method Analyte Units LOR	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	ME-MSB1	
		Nd	Pr	Rb	Sm	Sr	Ta	Tb	Th	Tm	U	V	W	Y	Yb	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.1	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5	1	0.5	0.03
1408821		20.8	5.50	74.9	4.14	1	141.0	0.6	0.54	4.10	0.22	1.00	125	<1	15.7	1.50
1408822		19.2	4.75	47.0	4.44	1	194.5	0.3	0.76	4.15	0.38	1.00	456	<1	25.6	2.70
1408823		22.4	5.65	26.1	3.98	1	220	0.4	0.45	3.58	0.21	0.92	92	<1	13.7	1.41
1408824		17.0	3.86	12.3	4.20	1	122.0	0.4	0.79	2.26	0.54	0.59	321	1	29.1	3.24
1408825		18.5	4.38	63.4	4.56	1	160.0	0.4	0.83	3.95	0.54	0.97	353	<1	30.6	3.54
1408826		22.4	5.31	16.0	5.45	1	41.7	0.5	0.98	4.95	0.58	1.15	377	1	35.4	3.96
1408827		8.2	1.65	4.1	2.42	1	275	0.1	0.51	0.35	0.37	0.08	292	<1	20.3	2.41
1408828		7.0	1.34	6.2	2.25	1	440	0.2	0.53	0.38	0.35	0.09	269	<1	19.5	2.21
1408829		24.6	6.43	47.0	4.51	1	55.0	0.4	0.49	3.17	0.28	0.73	90	1	15.7	1.61
1408830		40.9	10.00	108.5	8.23	1	626	0.7	0.94	4.10	0.33	0.74	238	<1	23.1	2.14
1408831		6.2	1.23	3.1	2.02	1	285	0.1	0.46	0.31	0.34	0.08	281	<1	17.5	2.07
1408832		22.6	5.93	80.0	4.40	1	117.5	0.4	0.53	4.23	0.24	1.01	109	<1	15.4	1.60
1408833		13.3	3.23	30.3	3.25	1	105.0	0.2	0.56	1.95	0.33	0.42	290	<1	18.6	2.00
1408834		17.7	4.33	18.4	4.54	1	19.4	0.5	0.82	4.50	0.57	1.04	350	1	29.0	3.69
1408835		7.8	1.49	3.8	2.49	1	91.7	0.2	0.52	0.35	0.35	0.10	317	<1	20.4	2.40
1408836		13.8	3.77	55.1	2.80	1	215	0.4	0.38	4.51	0.19	1.10	102	<1	12.1	1.20
1408837		44.2	11.40	40.7	7.39	1	270	0.6	0.75	3.61	0.33	0.83	142	<1	20.3	2.13
1408838		18.1	4.76	1.4	3.46	1	80.4	0.4	0.49	3.83	0.24	0.83	105	<1	15.7	1.50
1408839		22.1	5.86	39.6	4.46	1	365	0.5	0.55	4.03	0.27	0.96	122	<1	17.0	1.71
1408840		15.3	4.02	17.3	2.86	1	163.5	0.4	0.38	3.22	0.23	0.72	72	1	12.4	1.17
1408841		18.0	4.75	28.8	3.40	1	143.0	0.4	0.42	3.34	0.21	0.72	114	<1	12.9	1.35
1408842		19.0	5.10	32.2	3.67	1	258	0.4	0.46	3.51	0.25	0.74	115	<1	15.0	1.60
1408843		54.2	13.55	29.9	9.07	1	297	0.4	0.89	2.82	0.37	0.57	159	<1	23.8	2.30
1408844		28.1	6.92	30.5	5.52	1	434	0.5	0.77	3.12	0.33	0.73	171	<1	23.6	2.34
1408845		33.9	8.80	23.5	6.01	1	576	0.5	0.59	3.80	0.26	0.87	122	<1	16.1	1.65
1408846		20.8	4.93	17.6	4.68	1	435	0.4	0.58	1.96	0.24	0.38	207	<1	16.0	1.47
1408847		18.6	4.84	43.0	3.44	1	232	0.3	0.37	3.39	0.20	0.79	87	1	11.2	1.30
1408848		26.0	6.64	0.5	4.72	1	465	0.5	0.58	4.11	0.27	1.01	116	<1	16.6	1.55
1408849		21.6	5.51	50.7	3.89	1	237	0.4	0.47	3.79	0.22	0.89	99	1	14.1	1.39
1408850		31.0	7.67	44.2	6.08	1	295	0.5	0.64	4.88	0.32	1.17	129	<1	19.4	1.84
1408853		27.1	6.67	5.2	6.43	2	124.0	0.7	1.08	6.89	0.65	1.64	395	1	38.3	4.29
1408854		9.6	1.91	4.5	2.95	1	165.0	0.2	0.67	0.54	0.46	0.13	324	1	25.6	2.99
1408855		15.0	3.27	9.4	3.69	1	29.3	0.4	0.56	1.69	0.28	0.28	223	1	17.3	1.69
1408856		21.4	4.29	16.4	6.64	1	143.0	0.5	1.38	1.11	0.89	0.28	169	<1	52.2	6.06
1408857		20.6	4.30	5.2	6.10	2	444	0.5	1.32	1.00	0.89	0.27	176	1	48.5	5.62
1408858		27.5	7.13	14.7	4.88	1	239	0.4	0.52	4.01	0.25	0.89	125	1	17.1	1.73
1408859		9.7	1.91	0.9	3.13	1	238	0.2	0.69	0.37	0.48	0.09	348	<1	28.9	3.10

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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To: MINROC MANAGEMENT LTD.  
 2857 SHERWOOD HEIGHTS DRIVE, UNIT 2  
 OAKVILLE ON L6J7J9

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 Plus Appendix Pages  
 Finalized Date: 5- JAN- 2017  
 Account: MINMAN

Project: Batchewana - Whole Rocks

**CERTIFICATE OF ANALYSIS SD16221934**

Sample Description	Method Analyte Units LOR	ME- MS81	ME- ICP06	ME- ICP06	ME- ICP06	ME- ICP06	ME- ICP06	ME- ICP06	ME- ICP06	ME- ICP06	ME- ICP06	ME- ICP06	ME- ICP06	ME- ICP06	ME- ICP06	OA- GRA05
		Zr ppm	SO2 %	Al2O3 %	Fe2C3 %	CaO %	MgO %	Na2O %	K2O %	Cr2O3 %	TiO2 %	MnO %	P2O5 %	SrO %	BaO %	LOI %
1408821		171	65.8	15.50	5.60	1.64	2.46	3.63	2.38	0.02	0.76	0.07	0.23	0.02	0.06	2.86
1408822		129	54.4	12.45	15.80	6.10	4.51	2.57	1.53	<0.01	1.30	0.20	0.14	0.02	0.05	2.31
1408823		145	62.3	11.50	7.02	4.50	2.29	2.80	0.81	0.01	0.67	0.18	0.23	0.02	0.03	5.65
1408824		124	49.9	13.95	13.90	9.58	5.64	2.20	0.39	0.02	1.30	0.28	0.15	0.01	0.02	1.25
1408825		137	51.2	14.00	14.55	8.81	5.01	2.34	1.28	0.01	1.33	0.22	0.15	0.02	0.04	1.70
1408826		166	48.5	13.90	16.60	3.73	5.11	4.71	0.83	0.01	1.47	0.23	0.19	0.01	0.01	3.51
1408827		59	47.6	14.85	13.90	8.19	8.01	2.17	0.23	0.04	0.94	0.20	0.07	0.03	<0.01	3.67
1408828		60	44.9	14.10	14.20	9.83	5.58	0.83	0.24	0.03	0.87	0.20	0.06	0.05	<0.01	8.16
1408829		134	71.4	11.45	7.25	1.04	0.94	1.87	1.78	0.01	0.58	0.19	0.19	0.01	0.03	2.95
1408830		200	51.6	14.15	13.55	6.43	3.79	3.31	2.45	<0.01	1.72	0.17	0.34	0.08	0.10	1.60
1408831		54	49.6	14.70	13.70	8.06	7.63	3.11	0.11	0.04	0.91	0.23	0.07	0.04	0.01	2.83
1408832		161	61.5	15.45	6.56	3.64	3.44	2.71	2.88	0.01	0.83	0.13	0.21	0.02	0.07	4.51
1408833		86	49.6	13.85	16.20	5.68	6.06	2.89	0.39	0.01	0.87	0.22	0.11	0.01	0.02	3.00
1408834		155	50.1	13.90	14.40	3.25	6.53	3.49	1.04	0.01	1.35	0.21	0.18	<0.01	0.01	4.01
1408835		61	50.4	16.00	15.40	4.54	5.42	2.25	0.14	0.02	1.08	0.24	0.08	0.01	0.01	4.78
1408836		146	66.3	14.85	3.93	2.17	1.40	4.03	1.80	0.01	0.64	0.05	0.13	0.03	0.05	2.78
1408837		152	53.9	13.25	8.74	8.03	3.62	1.55	1.36	0.01	0.88	0.19	0.44	0.03	0.04	8.07
1408838		164	63.8	14.80	6.72	1.05	4.44	5.61	0.08	0.02	0.66	0.09	0.16	0.01	<0.01	2.73
1408839		177	59.9	14.80	7.78	4.84	4.36	2.99	1.54	0.03	0.69	0.12	0.15	0.05	0.04	2.10
1408840		144	67.5	13.90	5.36	3.11	4.00	4.68	0.73	0.02	0.58	0.09	0.18	0.02	0.02	1.79
1408841		153	64.5	13.65	7.01	2.15	4.85	3.92	1.22	0.03	0.66	0.09	0.15	0.02	0.03	2.80
1408842		153	61.0	13.75	7.16	4.25	4.76	3.84	1.12	0.03	0.67	0.10	0.14	0.03	0.04	2.14
1408843		170	45.2	12.35	11.95	11.55	4.35	1.71	0.95	0.07	1.16	0.25	0.59	0.04	0.03	8.44
1408844		179	51.9	15.40	10.35	6.56	5.36	2.67	1.21	0.02	1.14	0.15	0.29	0.05	0.03	5.81
1408845		170	62.1	14.70	7.23	4.71	3.97	3.43	0.99	0.01	0.86	0.12	0.34	0.07	0.03	2.43
1408846		111	54.3	9.62	12.50	7.77	8.55	1.83	0.94	0.08	1.00	0.17	0.14	0.05	0.03	2.86
1408847		138	64.4	14.65	5.37	3.13	2.27	3.86	1.66	0.01	0.62	0.07	0.15	0.03	0.03	4.50
1408848		180	62.6	14.00	7.77	6.57	3.23	1.93	0.05	0.02	0.72	0.10	0.22	0.06	<0.01	2.70
1408849		155	59.6	13.75	6.86	4.62	3.54	1.69	2.14	0.01	0.69	0.15	0.20	0.03	0.05	5.80
1408850		165	60.8	14.85	8.50	2.58	3.66	2.60	1.42	0.01	0.89	0.13	0.24	0.04	0.05	3.34
1408853		197	52.4	12.75	16.00	6.99	3.85	3.84	0.20	<0.01	1.54	0.22	0.18	0.02	0.01	2.92
1408854		87	48.5	15.00	14.35	6.51	8.25	3.03	0.17	0.02	1.29	0.22	0.11	0.02	0.01	3.88
1408855		118	50.1	9.93	14.20	5.42	10.95	1.52	0.42	0.17	1.14	0.25	0.18	<0.01	0.02	3.86
1408856		176	51.8	11.55	18.95	6.34	2.53	1.67	0.29	<0.01	1.89	0.31	0.23	0.02	0.02	3.01
1408857		157	54.4	12.15	18.90	6.70	2.91	0.19	0.07	<0.01	1.95	0.21	0.19	0.06	<0.01	3.65
1408858		169	59.6	14.75	9.65	2.52	4.89	3.84	0.59	0.01	0.73	0.15	0.23	0.03	0.01	3.58
1408859		90	47.4	14.35	13.95	6.43	7.17	3.22	0.06	0.02	1.34	0.20	0.10	0.03	<0.01	3.75

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To: MINROC MANAGEMENT LTD.  
 2857 SHERWOOD HEIGHTS DRIVE, UNIT 2  
 OAKVILLE ON L6J7J9

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 Account: MINMAN

Project: Batchewana - Whole Rocks

**CERTIFICATE OF ANALYSIS SD16221934**

Sample Description	Method Analyte Units LOR	TOT- ICP06 Total 0.01
1408821		101.03
1408822		101.38
1408823		98.01
1408824		98.59
1408825		100.66
1408826		98.81
1408827		99.90
1408828		99.05
1408829		99.69
1408830		99.29
1408831		101.04
1408832		101.96
1408833		98.91
1408834		98.48
1408835		100.37
1408836		98.17
1408837		100.11
1408838		100.17
1408839		99.39
1408840		101.98
1408841		101.08
1408842		99.03
1408843		98.64
1408844		100.94
1408845		100.99
1408846		99.84
1408847		100.75
1408848		99.97
1408849		99.13
1408850		99.11
1408853		100.92
1408854		101.36
1408855		98.16
1408856		98.61
1408857		101.38
1408858		100.58
1408859		98.02

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To: MINROC MANAGEMENT LTD.  
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Page: Appendix 1  
 Total # Appendix Pages: 1  
 Finalized Date: 5- JAN- 2017  
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Project: Batchewana - Whole Rocks

**CERTIFICATE OF ANALYSIS SD16221934**

<b>CERTIFICATE COMMENTS</b>									
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	<p>Processed at ALS Sudbury located at 1351- B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU- 31</td> <td style="width: 33%;">CRU- QC</td> <td style="width: 33%;">LOG- 22</td> <td style="width: 33%;">PUL- 31</td> </tr> <tr> <td>PUL- QC</td> <td>SPL- 21</td> <td>WEI- 21</td> <td></td> </tr> </table>	CRU- 31	CRU- QC	LOG- 22	PUL- 31	PUL- QC	SPL- 21	WEI- 21	
CRU- 31	CRU- QC	LOG- 22	PUL- 31						
PUL- QC	SPL- 21	WEI- 21							
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">ME- ICP06</td> <td style="width: 33%;">ME- MS81</td> <td style="width: 33%;">OA- GRA05</td> <td style="width: 33%;">TOT- ICP06</td> </tr> </table>	ME- ICP06	ME- MS81	OA- GRA05	TOT- ICP06				
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