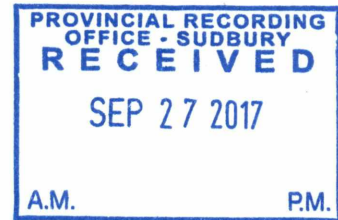


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**2 • 58215**

**REPORT ON THE  
DAISY STONE PROPERTY  
BATCHAWANA AREA  
KINCAID and RYAN TOWNSHIPS  
DISTRICT OF ALGOMA  
ONTARIO**

**THOMAS A. O'CONNOR**

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## LIST OF FIGURES

FIGURE 1	Location map	3
FIGURE 2	Claim map	5
FIGURE 3	Property location map	8
FIGURE 4	Geology map	11
FIGURE 5	Daisy stone	12
FIGURE 6	Detailed property map	14
FIGURE 7	Daisy stone outcrop	15
FIGURE 8	Daisy stone detail	15
FIGURE 9	Detailed map of sampling area (Scale: 1:500)	16

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## SUMMARY

Mr. Thomas A. O'Connor holds the mineral rights to a 128 ha of unpatented mining property in the Batchawana area of central Ontario. The property is located in Kincaid and Ryan Townships approximately 100 km north of Sault Ste. Marie. While this region is believed to have the potential to host economic deposits of copper it is dimension stone ("daisy stone") that is believed to hold the greatest economic potential for the property.

The property is predominantly underlain by Mesoproterozoic-age (Keweenawan) volcanic rocks of the Mamainse Point Formation. One or more specific flows that are plagioclase glomeroporphyric have the potential to be exploited for dimension stone.

Sulphide mineralization was also observed and sampled on the property but at this stage is considered as a secondary exploration target.

The property is regarded as comprising a property that merits continued exploration. The importance of examining and sampling the existing trenches and pits on the property is underscored by the current program.

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## 1.1 TERMS OF REFERENCE

I, Mr. Thomas A. O'Connor is currently following up on preliminary mapping and a geological evaluation of a mineral property in the Batchawana Bay area of central Ontario (the "Daisy Stone" property) which has been on going since 2005. In particular, acquired said property for the purpose of evaluating the potential of certain glomeroporphyritic lavas as economic dimension stone. The purpose of this report is for Ontario government assessment filing and as such is not a full National Instrument 43-101compliant technical report.

## UNITS AND CURRENCY

The data presented herein are predominantly in metric units; however, the results of previous work and commodity prices may be quoted in imperial units.

The following conversion factors can be used to convert between imperial and metric measures that appear in this report:

1 foot (ft) = 0.305 m = 30.48 cm

1 mile (mi) = 1.609 km

1 acre = 0.405 ha

1 (short) ton = 0.907 tonnes (t)

1 (avdp) ounce (oz) = 28.35 g

1 (troy) ounce (oz) = 31.103 g

1 (troy) oz/ton = 34.286 g/t

1 pound (lb) = 0.454 kg

Currency amounts are expressed in Canadian dollars unless otherwise specified (e.g., \$US = United States dollars).

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The author has been commissioned by Mr. Thomas A. O'Connor ("O'Connor") to carry out preliminary mapping and a geological evaluation of a mineral property in the Batchawana Bay area of central Ontario (the "Daisy Stone" property). In particular, O'Connor acquired said property for the purpose of evaluating the potential of certain glomeroporphyritic lavas as economic dimension stone. The purpose of this report is for Ontario government assessment filing and as such is not a full National Instrument 43-101-compliant technical report.

## 1.2 SOURCES OF INFORMATION

The information contained in this report was derived from a variety of sources, which are more specifically listed under "References" (Section 8). The author believes that all of the information and technical documents are accurate and complete in all material aspects. Any analyses performed or resources estimated by others and quoted herein have not been audited by the author.

The status and title to the mining claims mentioned herein are as reported in the Ontario Ministry of Northern Development and Mines (MNDM), Mines and Minerals Division, Mining Claims Database. Claim maps herein are derived from the MNDM CLAIMaps Internet Application. The author is not aware of any underlying agreements that pertain to the property.

The results and opinions outlined in this report are dependent on the aforementioned information being current, accurate and complete as of the date of this report or as of dates indicated within this report, and that no information has been withheld which could impact the conclusions or recommendations herein. The author reserves the right, but will not be obliged, to revise this report and conclusions if additional information becomes known to him subsequent to the date of this report.

## 1.3 UNITS AND CURRENCY

The data presented herein are predominantly in metric units; however, the results of previous work and commodity prices may be quoted in imperial units.

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## 2 PROPERTY LOCATION AND DESCRIPTION

### 2.1 LOCATION

The Batchawana area is located on the eastern shore of Lake Superior in central Ontario, District of Algoma. The property area lies within NTS 42 N/2. The claims, referred to in Section 2.2 below, are approximately centred on UTM coordinates (NAD 83, Zone 16) 673975 E and 5215000 N or 47° 03' 55" N latitude and 84° 42' 29" W longitude. The current magnetic declination in the region is 7° West. The general location of the property area with respect to some cities, towns and communities in central and northeastern Ontario and northwestern Québec is presented in the map of Figure 1.

### 2.2 PROPERTY DESCRIPTION

The property comprises four (4) contiguous unpatented mining claims in Sault Ste. Marie Mining Division:

CLAIM No.	TOWNSHIP	UNITS	RECORDED
1226086	Kincaid	4	1999-05-27
1226087	Ryan	2	1999-05-27
1235111	Kincaid	1	2000-01-10
1242854	Kincaid	1	2001-05-17

and cover approximately 128 ha.

All claims are recorded in the names of Thomas Andrew O'Connor. A copy of a portion of the claim map for this area is presented in Figure 2.

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### 3 ACCESSIBILITY, CLIMATE AND LOCAL RESOURCES

#### 3.1 ACCESSIBILITY

The claims are accessible by road: a forest access road toward the property leads west from the Trans-Canada Highway #17 at a point approximately 100 km north of Sault Ste. Marie, Ontario. The forest access road intersects a trail that follows the geological zone of interest across the property (see Figure 3).

#### 3.2 CLIMATE

The Batchawana area lies on the western boundary of the Lake Timiskaming Lowland ecoregion of the Boreal Shield. The following descriptions are derived largely from the work of the Ecological Stratification Working Group (1998).

The region is classified as having a humid mid-boreal ecoclimate. The area is located about 100 km to the north of Sault Ste. Marie Airport (YAM), for which extensive climatic records are available from Environment Canada. The average mean annual temperature is 4.3°C. The average daily temperature range in summer is from 10.2°C to 22.7°C while in winter the average range is from -13.7°C to -4.0°C. Average yearly precipitation for the area is 889 mm and the maximum average month-end snow cover is in February at 40 cm.

#### 3.3 LOCAL RESOURCES

The dominant land cover is mixed wood forest of white spruce, balsam fir and eastern white pine along with some red pine, yellow birch and trembling aspen. Some areas along the Lake Superior shore contain sugar and red maple, and yellow birch, whereas white, red, and jack pine occur on drier terrain. Wetter sites support black spruce, tamarack and eastern white cedar. The area is strongly glaciated and is characterized by ridged to hummocky rock outcrops covered with discontinuous acidic morainal tills. Bedrock outcroppings are common. Humo-Ferri Podzols are the dominant with significant Gleysolic soils. Wildlife includes white-tailed deer, wolf, lynx, moose, black bear, snowshoe hare and beaver. Forestry, mining and tourism are important land uses in the region.

#### 3.4 INFRASTRUCTURE

The proximity to Sault Ste. Marie and the Wawa mining camp provides all manner of infrastructure necessary for the timely exploration and development

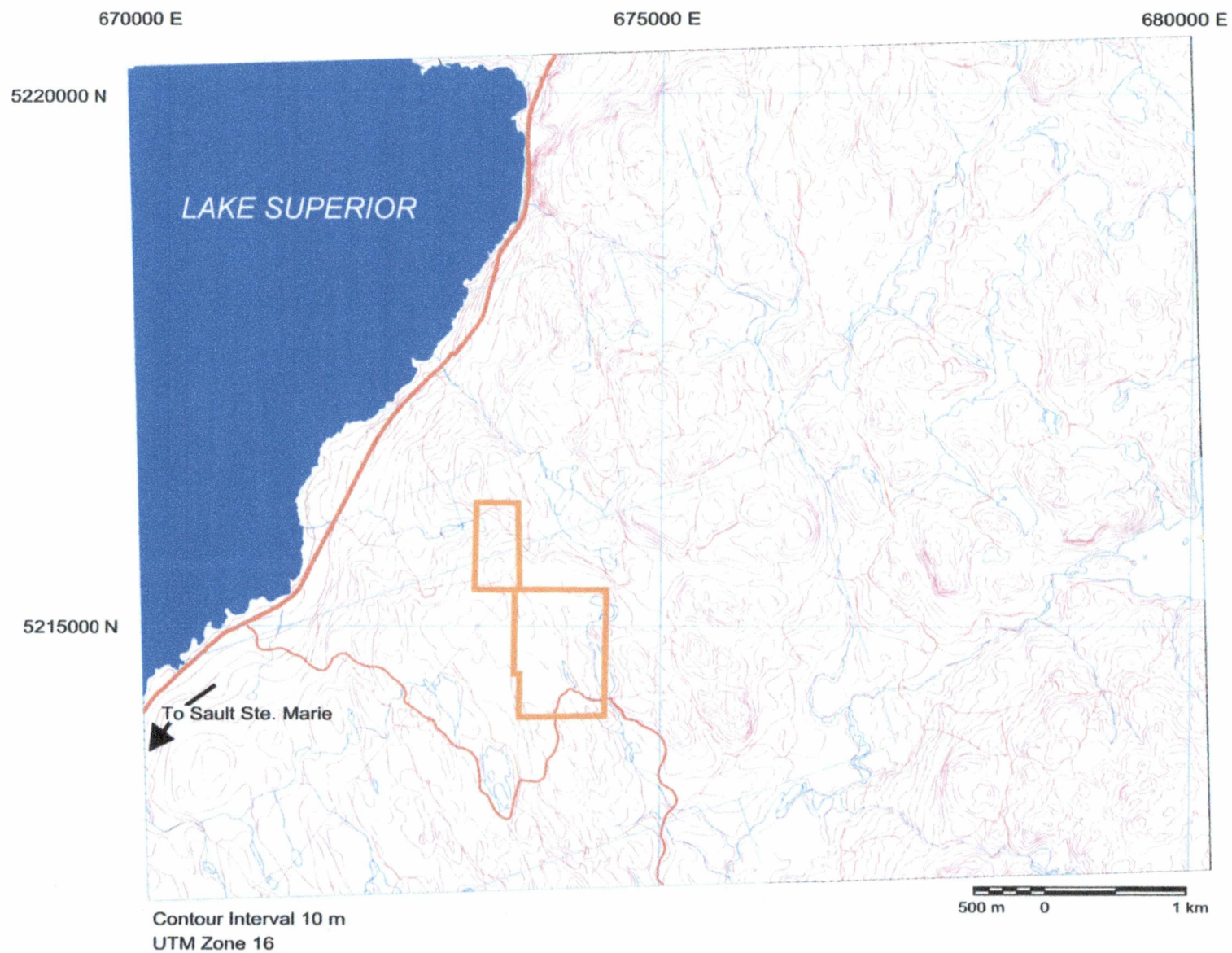
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of mineral properties in the area. The property is located within a few kilometers of the Trans-Canada Highway. Hydro-electric power stations are present along the Montreal River just to the north of the property area. An abandoned power line passes through the property.

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**FIGURE 3: Property location area**

## **4 PREVIOUS WORK**

### **4.1 GOVERNMENT SURVEYS**

Geology of the region has been mapped over the years by the agencies of the Ontario Government. This work includes the mapping of the Batchawana area by Giblin and Leahy (1969), Giblin and Armburst (1973) and Grunsky (1987), and the mapping of Kincaid Township by Giblin (1969).

### **4.2 EXPLORATION WORK**

The Batchawana area has seen much exploration activity for copper and uranium since the mid 1800s; however, the author is not aware of any specific exploration for those commodities within the current property area. Nor is the author aware of any major efforts to evaluate the rocks of property for their dimension stone value prior to the claims being staked by O'Connor.

### **4.3 CURRENT WORK**

The current mapping, prospecting and sampling was carried out by the author during the period between the dates of September 13<sup>th</sup>, 2017 to September 17<sup>th</sup>, 2017. The author was assisted by the property owner Mr. Thomas O'Connor and Mr. Regent Gagnon, Technician, both of Kirkland Lake, ON.

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### 4.3 CURRENT WORK

The current mapping, prospecting and sampling was carried out by the author during the period between the dates of May 18, 2005 and May 20, 2005. The author was assisted by the property owner Mr. Thomas O'Connor and Mr. Derrick Welsh, Technician, both of Kirkland Lake, ON. Spatial reference was maintained by the use of a handheld Thales MobileMapper GPS with realtime corrections provided by a CDGPS receiver. Statement of costs for this project are presented in Appendix III.

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## 5 GEOLOGY

### 5.1 REGIONAL GEOLOGY

The Batchawana area lies within the southwestern part of the Abitibi Subprovince of the Archean-age Superior Province of the Canadian Shield. The Archean supracrustal rocks are overlain by Mesoproterozoic-age (Keweenawan) rocks of the Southern Structural Province. These latter rocks comprise subaerial tholeiitic flood basalts interbedded with polymictic conglomerates and rhyolites, all deposited marginal to the Mid-Continent Rift approximately 1,100 Ma. Several reversals in the polarity of the basalts have been identified.

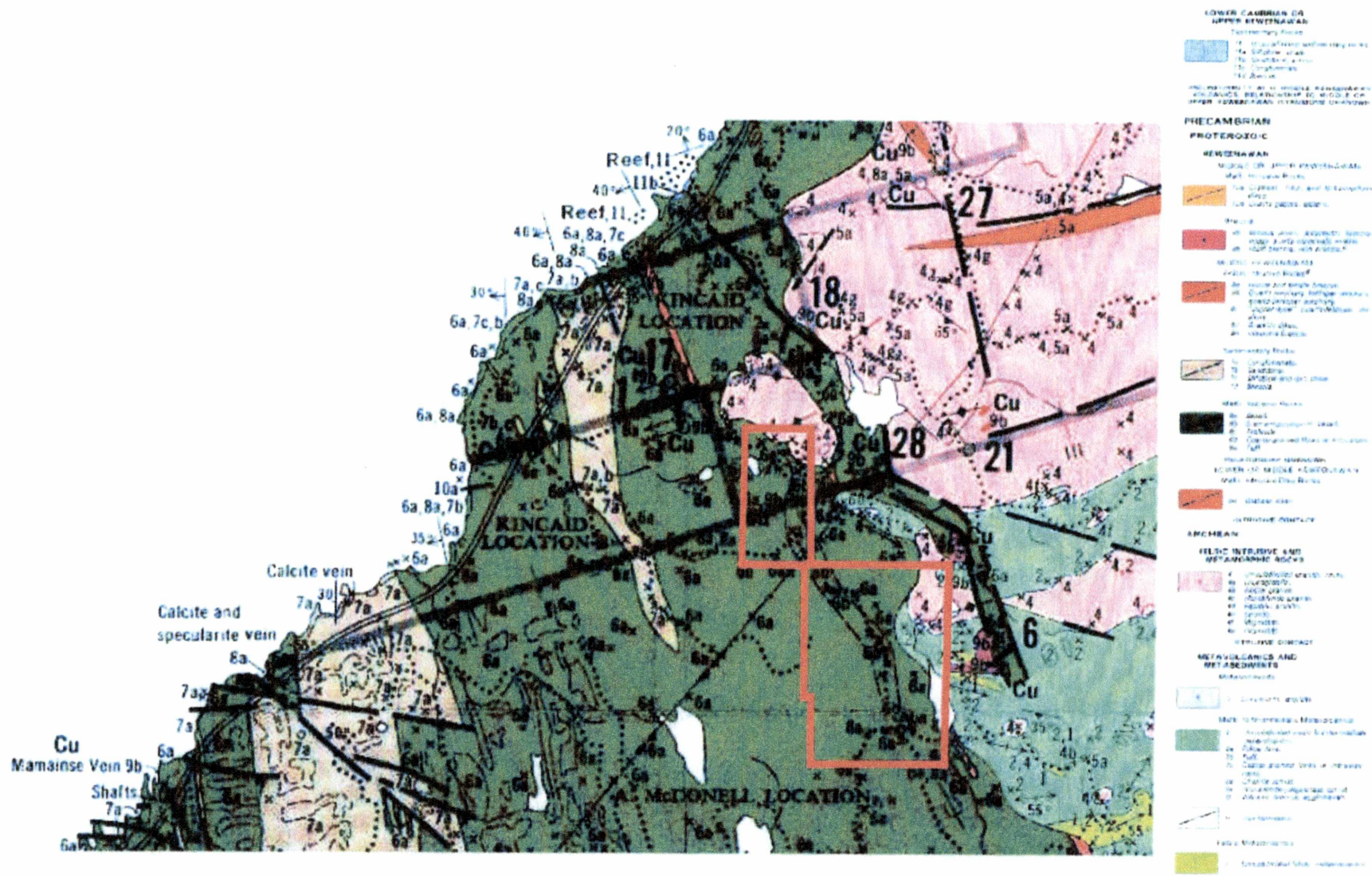
### 5.2 PROPERTY GEOLOGY

Giblin and Armburst (1973) indicate that the property area is predominantly underlain by Keweenawan flood basalts of the Mamainse Point Formation (Figure 4). These volcanic rocks unconformably overlie late Archean-age intrusive rocks of tonalitic composition that are exposed along the eastern edge of the property area. Stratigraphic tops in the shallow dipping volcanics are interpreted to lie to the southwest. Individual flows vary in thickness from 1.5 m to 30 m. It is one particular flow or group of flows that exhibit plagioclase glomerophyric texture (Figure 5) that are of particular interest. It has also been reported that compositionally these glomeroporphyritic flows are high  $\text{TiO}_2$  ferrobasalts that are intercalated with high MgO (picritic) flows (in Sutcliffe, 1981).

### 5.3 ECONOMIC GEOLOGY

The Batchawana area is particularly known for its copper mineralization. Fissure fillings hosted by the Mamainse Point Formation and containing chalcocite, bornite, chalcopyrite and native copper were mined at the Coppercorp Mine (about 25 kt of copper was produced). The copper deposits of the Keweenawan Peninsula of Michigan, hosted by stratigraphically equivalent rocks, produced over 5 Mt of copper (White, 1968). There is no record of any dimension stone production from the area.

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**FIGURE 5: Glomeroporphyritic basalt (“daisy stone”)**



## 6 WORK PROGRAM

On September 13, 2017 a sampling program began on the Daisy Stone property in Ryan & Kincaid Townships in the SSM Mining Division. The purpose of this program was to prospect, locate and sample any daisy stone exposures that are mineralized and assay for copper. The area is well known for copper deposits and sampling the outcrops to the north along the daisy stone deposit. In recent sampling in 2014 there was high copper values up to 5% located approximately 500 meters to the north. The copper values are related to the north-south trending shear zones which have been up to 3 meters in width. Due to the vegetation cover and overburden it was very difficult to follow the shear zones. An outcrop of daisy stone located @ 16 U 674259E & 5214368N which is located on the south side of the main access road on claim SSM 1226087. There is approximately 400 meters of possible strike before the daisy stone deposit is past the south boundary of claim SSM 1226087. The area of interest is in low lying ground and is quite swampy in areas. Due to the above average of rain fall this summer the swampy areas were inundated with water above normal levels. A total of four days were spent on this sampling program and seven samples were collected. The samples were brought to Swastika Labs on September 18/17 to be assayed for copper. Due to the lack of accommodations and the distance that would have to be travelled it was decided to set up a prospector tent on the property to accommodate a place to sleep and cook meals.

## SAMPLE DESCRIPTIONS

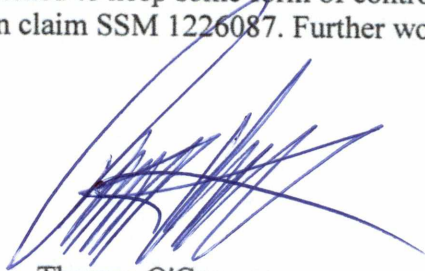
Sample #	Description	utm's	assay, CU/ppm
3813	mafic or volcanic dike, 1 % < pyrite, chalco pyrite, fine grain	674280E, 5214345N	308
3814	mafic or volcanic dike, 1%< pyrite, fine grain, green in colour.	674275E, 5214308N	249
3815	mafic or volcanic dike, 1%< fine pyrite, fine grain, green in colour.	674315E, 5214278N	396
3816	mafic, volcanic dike, 1%< fine pyrite medium grain, dark green in colour.	674345E, 5214227N	298
3817	mafic or volcanic dike, 1%< fine pyrite, medium grain, dark green in colour.	674391E, 5211494N	342
3818	mafic or volcanic dike, 1%< fine pyrite, fine grain, light green in colour.	674416E, 5214203N	436
3819	mafic or volcanic dike, 1%< fine pyrite, fine grain, light green in colour.	674381E, 5214270N	425



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## 7 CONCLUSIONS & RECOMMENDATIONS

The Daisy stone dike that was sampled on Mining Claim SSM 1226087 was found to have trace amounts of copper. Although the strong north - south trending shear to the north on claim SSM 1226086 was not located in the sampled area, copper values are significant to warrant further work on claim SSM 1226087. Due to the thick underbrush, deadfall and overburden sample lines will have to be established to keep some form of control on locating the shear zone which is believed to be present on claim SSM 1226087. Further work is planned in this area later in the fall.

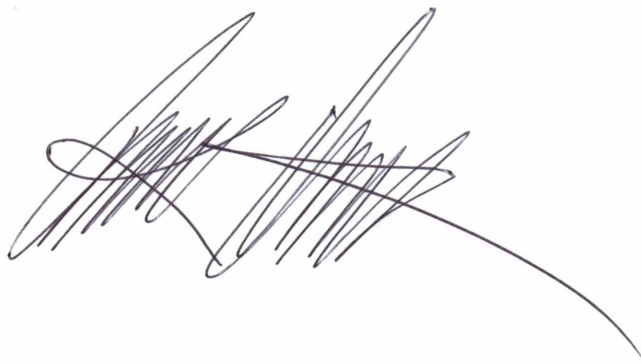
A handwritten signature in blue ink, appearing to read 'Thomas O'Connor', is written over a large, stylized, scribbled-out area.

Thomas O'Connor

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### STATEMENT OF COSTS

Date	Description	Amount
Sept 13/17	Travel from Kirkland Lake to claim SSM 1226086	
	680 km @ .55/km	374.00
	T. O'Connor, 350.00/day, travel, set up camp	350.00
	Regent Gagnon, helper, 250.00/day	250.00
	Atv, 200.00/day	200.00
	Meals , 2 men @ 30.00/day each	60.00
Sept 14/17	T. O'Connor, sampling, 350.00/day	350.00
	Regent Gagnon, helper, 250.00/day	250.00
	Atv, 200.00/day	200.00
	Meals, 2 men @ 30.00/day each	60.00
Sept 15/17	T. O'Connor, sampling, 350.00/day	350.00
	Regent Gagnon, helper, 250.00/day	250.00
	Atv, 200.00/day	200.00
	Meals , 2 men @ 30.00/day each	60.00
Sept 16/17	T. O'Connor, Sampling, 350.00/day	350.00
	Regent Gagnon, helper, 250.00/day	250.00
	Atv, 200.00/day	200.00
	Meals, 2 men @ 30.00/day each	60.00
Sept 17/17	T. O'Connor, sampling, break camp, 350.00/day	350.00
	Regent Gagnon, helper, 250.00/day	250.00
	Atv, 200.00/day	200.00
	Travel from claim SSM 1226087 to Kirkland lake	
	680 km @ .55/km	374.00
	Meals, 2 men @ 30.00/day each	60.00
Sept 24/17	T. O'Connor, report	350.00
Sept 25/17	T. O'Connor, report	350.00
Sept 26/17	Assays Costs ,	<u>181.93</u>
	Total amount claimed	\$ 5,929.93





# Swastika Laboratories Ltd

Assaying - Consulting - Representation

Page 1 of 1

## Assay Certificate

**Certificate Number: 17-2417**

Company: **Tom O'Connor**

Project: **Daiseystone**

Attn: **Tom O'Connor**

Report Date: **26-Sep-17**

*We hereby certify the following Assay of 7 rock/grab samples  
submitted 18-Sep-17 by Tom O'Connor*

Sample Number	Cu
	AR-AAS
	ppm
3813	308
3814	249
3815	396
3816	298
3817	342
3818	436
3819	425

RUSH

Certified by 

**Valid Abu Ammar**

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0  
Telephone (705) 642-3244 Fax (705) 642-3300

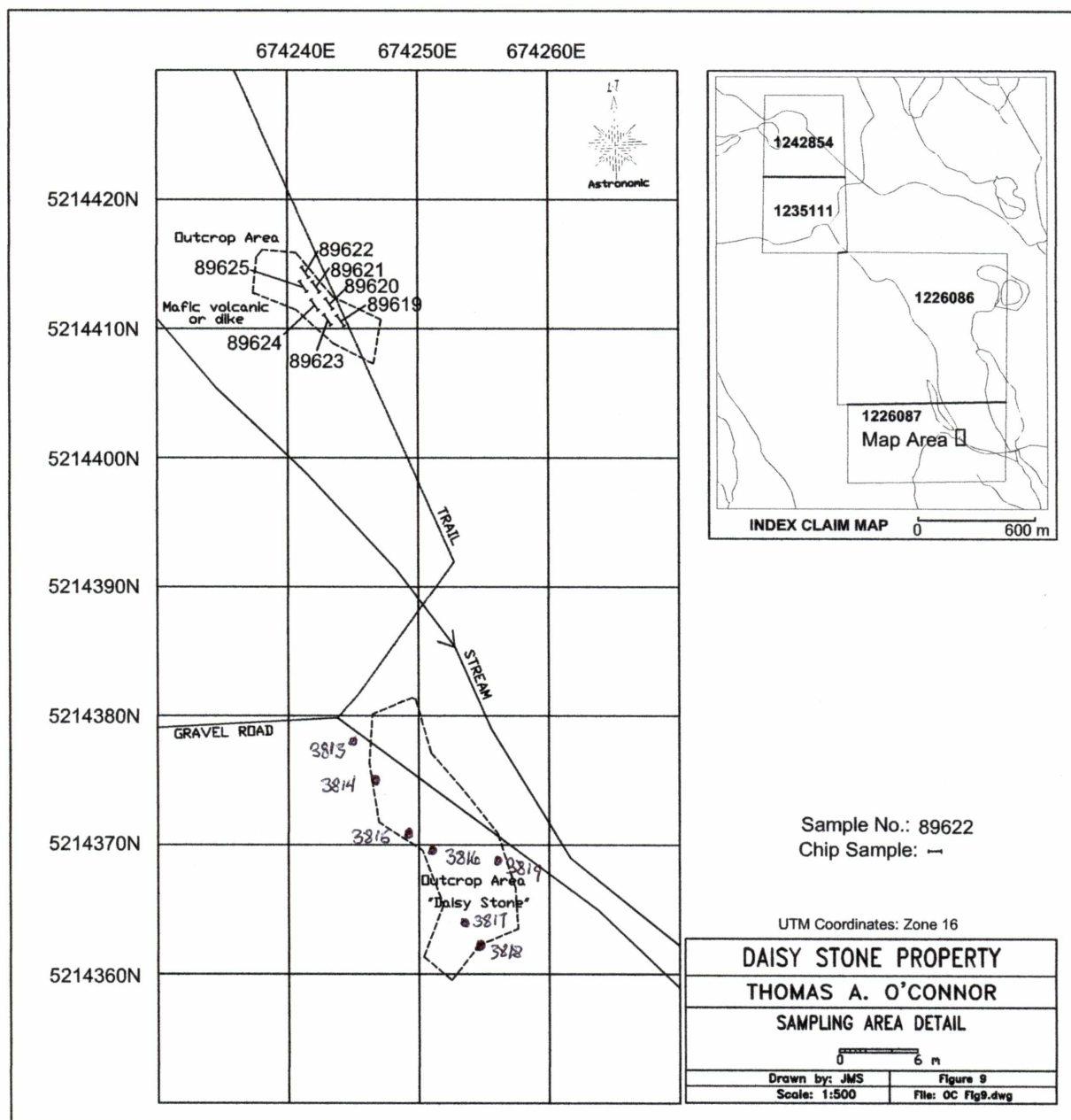


FIGURE 9: Detailed map of sampling area (Scale: 1:500)