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2018 Prospecting Report
Prospecting & Beep Mat 8 Surveying
BenoMath Property – Oddur Project
Connaught, Churchill, Miramichi, and Asquith Townships
Larder Lake Mining Division, Ontario

By:
Todd Mathieu
June 28, 2019

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1.0 INTRODUCTION

1.1 Scope of Work

This report describes the prospecting, manual trenching, sampling, and Beep Mat 8 surveying work completed between June 1, 2018 to July 14, 2018 on the BenoMath Property – Oddur Project.

1.2 Technical Parameters

GPS Receiver Type:

- Garmin GPSmap 60CSx
- Differential correcting enabled
- Averaging (minimum 150 positional fixes over 150 seconds)

Coordinate System:

- NAD83, UTM Zone 17

Camera Type:

- Canon PowerShot D30, 12.1MP, waterproof/shockproof,

Beep Mat 8 – Borrowed from Timmins Resident Geology Office

1.3 Current Plans & Permits

No plans or permits currently in place.

2.0 PROPERTY DESCRIPTION

2.1 Location and Access

The BenoMath Property – Oddur Project lies 3 kilometers northwest of the town of Shinning Tree in the Larder Lake Mining Division. (Figure 1-1)

BenoMath Property – Oddur Project – 2018 Prospecting Report

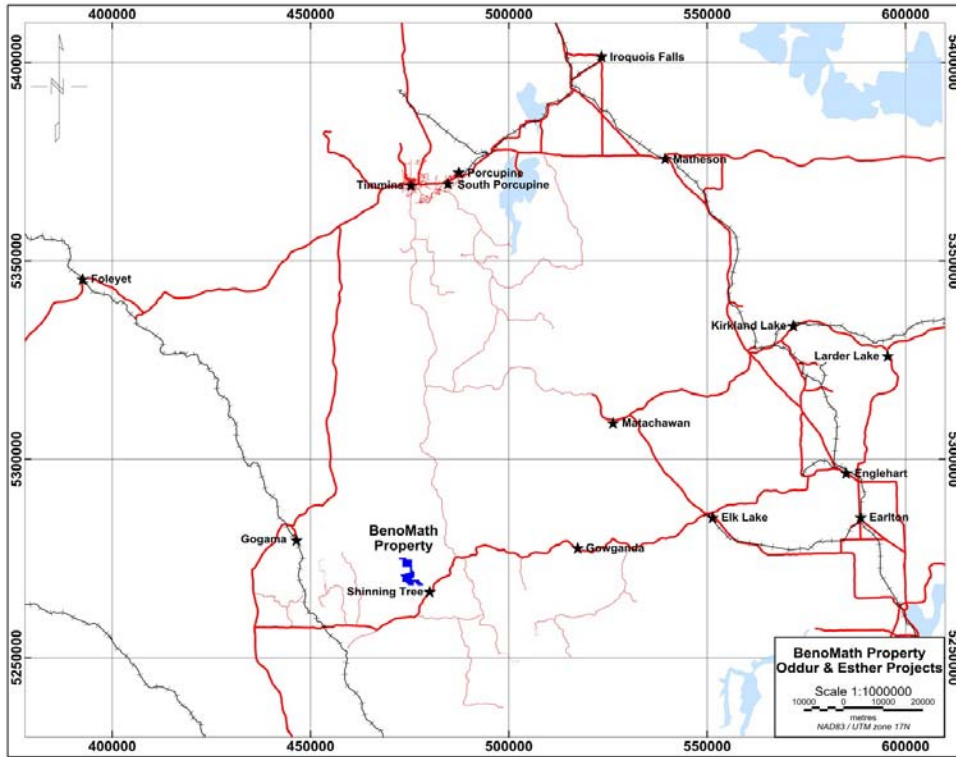


Figure 1-1

Ground access to the BenoMath Property – Oddur Project from Timmins, Ontario, Canada begins by traveling approximately 22km west of Timmins on highway 101. Precede an additional 118km south on highway 144 until reaching highway 560 (Watershed). Precede an additional 34km east on highway 560 until reaching Nabakwasi Lake Road. From this point travel 17km north to northeast until reaching the BenoMath Property. (Figure 1-2)

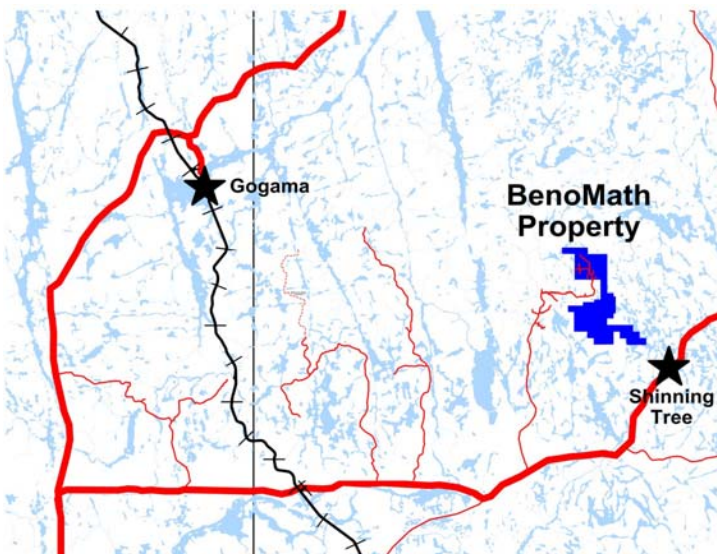


Figure 1-2

2.2 Property Overview

The BenoMath – Oddur Project currently consists of 51 claim cells. (Figure 1-3). There are currently no reported mineral deposits or showings on the Oddur Property, but due to the local geology and EM conductors highlighted in earlier airborne geophysics, the property was selected for examination for VMS/Sedex, metamorphic/magmatic, and potential Au deposits. The BenoMath – Esther Project directly north does contain the historic Goldhurst Cu mineral deposit.

To the northwest, IAMGOLD is currently exploring for gold on the Elephant Head Au Project. Directly to the west and north is Knightsbridge Exploration’s North Wind Property where they are exploring for several commodities along with hosting the historic Elephant Head Cu, Au, deposit. Directly to the east, Tamarack Gold is exploring the historic Pacesetter Au mineral deposit.

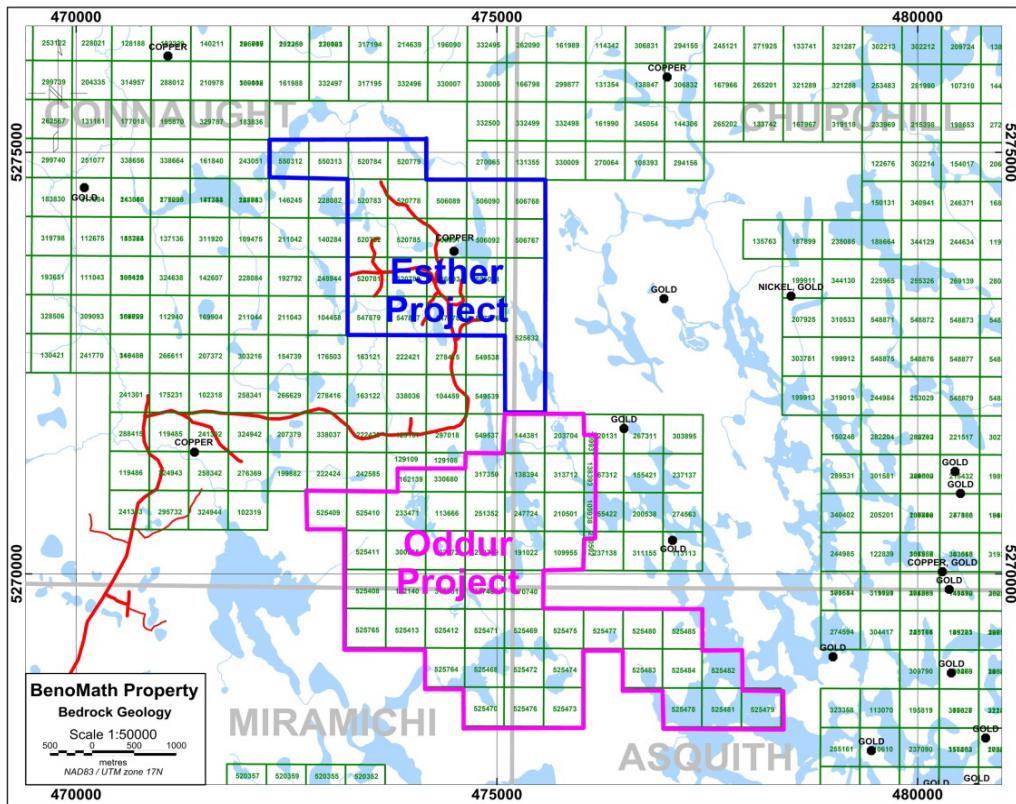


Figure 1-3

3.0 GPS GEOREFERENCING OF DATA

3.1 Collection of Data & Quality Control

Data was collected by Todd Mathieu and Yvan Benoit. The technical specifications as outlined in the document labelled “Georeferencing Standards for Unpatented Mining Claims” was used as a guide. Weather on the days of data collection varied from sunny to overcast with no precipitation present. Satellite reception was adequate over most of the property and provided accuracy of 3-5 meters during the program.

4.0 BenoMath Property - Oddur Project

4.1 Historic Work

The Oddur Project area has seen intermittent exploration over the last century mostly during peak commodity cycles. Portions of the property have had several forms of airborne and ground geophysics performed but with very little physical work reported. The most recent quality airborne survey completed was in 2008.

It consisted of a VTEM survey performed by Geotech LTD for Slocan Minerals Corp. This data will be extensively utilized to guide all future exploration programs on the Oddur Property.

4.2 Beep Mat 8 Surveying, Prospecting, Sampling Summary

A Beep Mat 8 Survey unit was borrowed from the MNDM Timmins office as part of the work planned for the 2018 field season to survey while prospecting the 2008 VTEM anomalies locations. Although cumbersome in the bush, the Beep Mat 8 acts as a secondary tool highlighting both conductive and magnetic boulders and bedrocks below overburden which increases the effectiveness of the prospecting program.

Recent forestry activity in the area has improved access over the course of the summer of 2018 allowing for all-terrain vehicle access to areas that have seen very little quality exploration/prospecting. Due to limited access the 2018 field program focused on the northwest corner of the Oddur Property. Topography in this area is aggressive due to the number of intrusive dykes and cross cutting faults. Tree vegetation ranges from groves of jack pines to birch or poplar to mixed bush with the low lying areas ranging from tag alders to cedars.

BenoMath Property – Oddur Project – 2018 Prospecting Report

Two areas were prospected as part of this program. VTEM anomaly A1 was selected as the primary prospecting location due to a 500 meter long VTEM anomaly from the 2008 Geotech Ltd Survey flown for Slocan Minerals. Based on the topography, it also appears a fault cross cuts the VTEM anomaly exposing a significant bedrock face. Initial Beep Mat 8 surveying of the location did not provide any conductive anomalies, but did highlight the diabase dyke with magnetic anomalies.

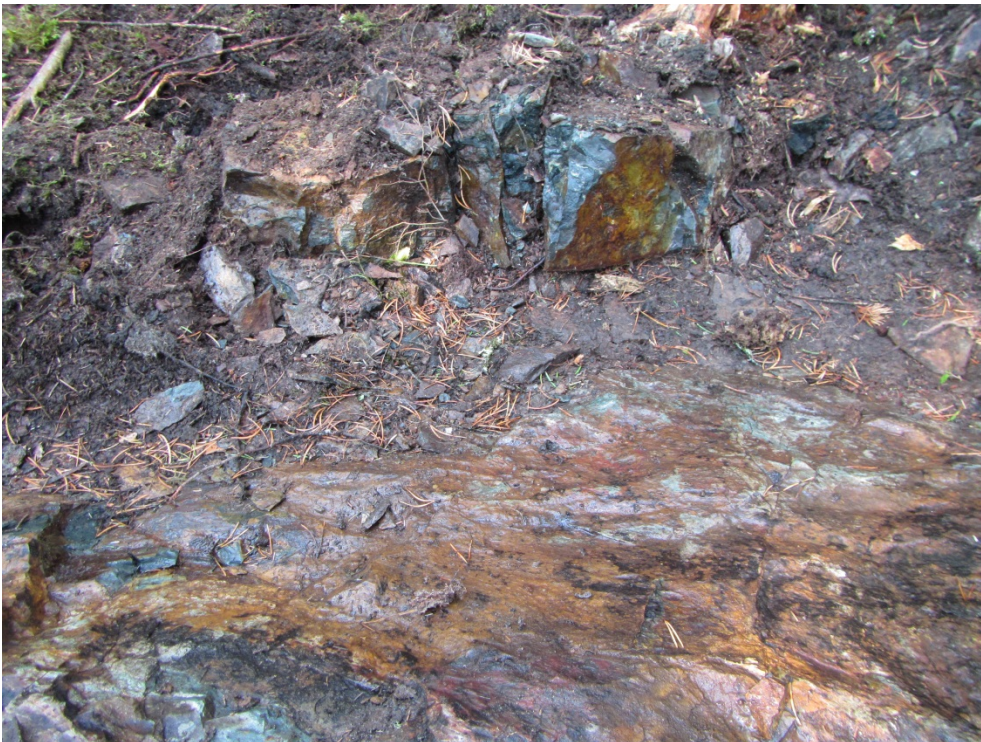
Location two prospected was chanced upon while Beep Mat surveying back to the ATVs. Cutting across a weak VTEM conductor from the 2008 report, we came across what appears to be four separate stacked conductors over a 50 meter width. To date the conductors appear to be gossanous mafic volcanics with disseminated/blebby to fracture filling pyrrhotite and chalcopyrite. Although only a limited amount of manual trenching has been completed it appears as though the conductors are separated by units that are much more silicified. These units are smooth, hard, and partially conductive and will require a channel saw to obtain proper samples for examination and potentially lab analysis. Additional manual trenching should be completed prior to the channel sampling. Three of the four Beep Mat 8 conductors have been uncovered with photos taken. (PCT01, PCT02, PCT03). According to the Beep Mat, along strike all 4 conductors continue south southeast.



**PCT01 – YT-Cond01 – Facing east northeast.
Mineralized contact between mafic volcanics and potential 50 meter wide conductor.
Location of OD-2018GRAB-04 & OD-2018GRAB-05**



**PCT02 – YT-Cond02 – Facing west southwest.
Contact between gossanous mafic unit with Po & Cpy and silicified partially conductive unit.**



**PCT03 – YT-Cond02 – Facing west southwest.
Gossanous conductor with blebby Po and trace Cpy.**



**PCT04 – YT-Cond04 – Facing south southeast.
Gossanous mafic volcanic with trace Po, Cpy.**

Three grab samples were selected for lab analysis (Table 2-1). Samples were sent to AGAT Laboratories with minor elevated Cu values reported (Table 2-2).

Oddur 2018 Grab Samples - Locations & Descriptions

Sample ID	Easting (NAD83)	Northing (NAD83)	Elevation	Sample Description
OD-2018GRAB-04	474025E	5271182N	419m	mafic volcanic with 5-7% blebs/seams of sulphides (Po, Cpy).
OD-2018GRAB-05	474025E	5271182N	419m	mafic volcanic with 5-7% blebs/seams of sulphides (Po, Cpy).
OD-2018GRAB-08	474270E	5271121N	433m	mafic volcanic with 1-3% disseminated to fracture filling sulphides (Po, Cpy)

Table 2-1

Oddur 2018 Grab Samples - Lab Results

	Analyte:	Au	Pd	Pt	Ag	Co	Cu	Ni	Pb	Zn
	Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description	RDL:	0.001	0.001	0.005	0.2	0.5	0.5	0.5	0.5	0.5
OD-2018GRAB-04		0.056	0.003	<0.005	0.8	200	2970	89.2	5.3	24.2
OD-2018GRAB-05		0.048	<0.001	<0.005	0.9	188	2420	81.3	5.4	19.3
OD-2018GRAB-08		0.014	0.005	<0.005	<0.2	29.8	89.8	95	1.7	48.8

Table 2-2

5.0 Conclusion

The program was successful in locating a stacked set of conductors directly west of a large linear 500m long VTEM anomaly. At present, we are unsure if this set of conductors is related to the VTEM anomaly to the east, but it is clear additional prospecting, trenching, washing, mapping and channel sampling should be completed to evaluate the geological units stacked within the newly uncovered conductors.

Additional Beep Mat 8 surveying should be completed over the large VTEM anomaly to the east to attempt to locate some sort of conductive source for the VTEM anomaly and to map out the diabase dyke.

In addition, there are historic airborne EM anomalies along the northeast shore of West Shinning Tree Lake, that should be prospected and Beep Mat 8 surveyed to further verify the conductive nature of each anomaly and to rule out the possibility that economic mineralization could be hiding within the graphite conductors reported historically.



Todd Mathieu

6.0 STATEMENT OF QUALIFICATIONS

I, Todd Mathieu, do hereby certify that:

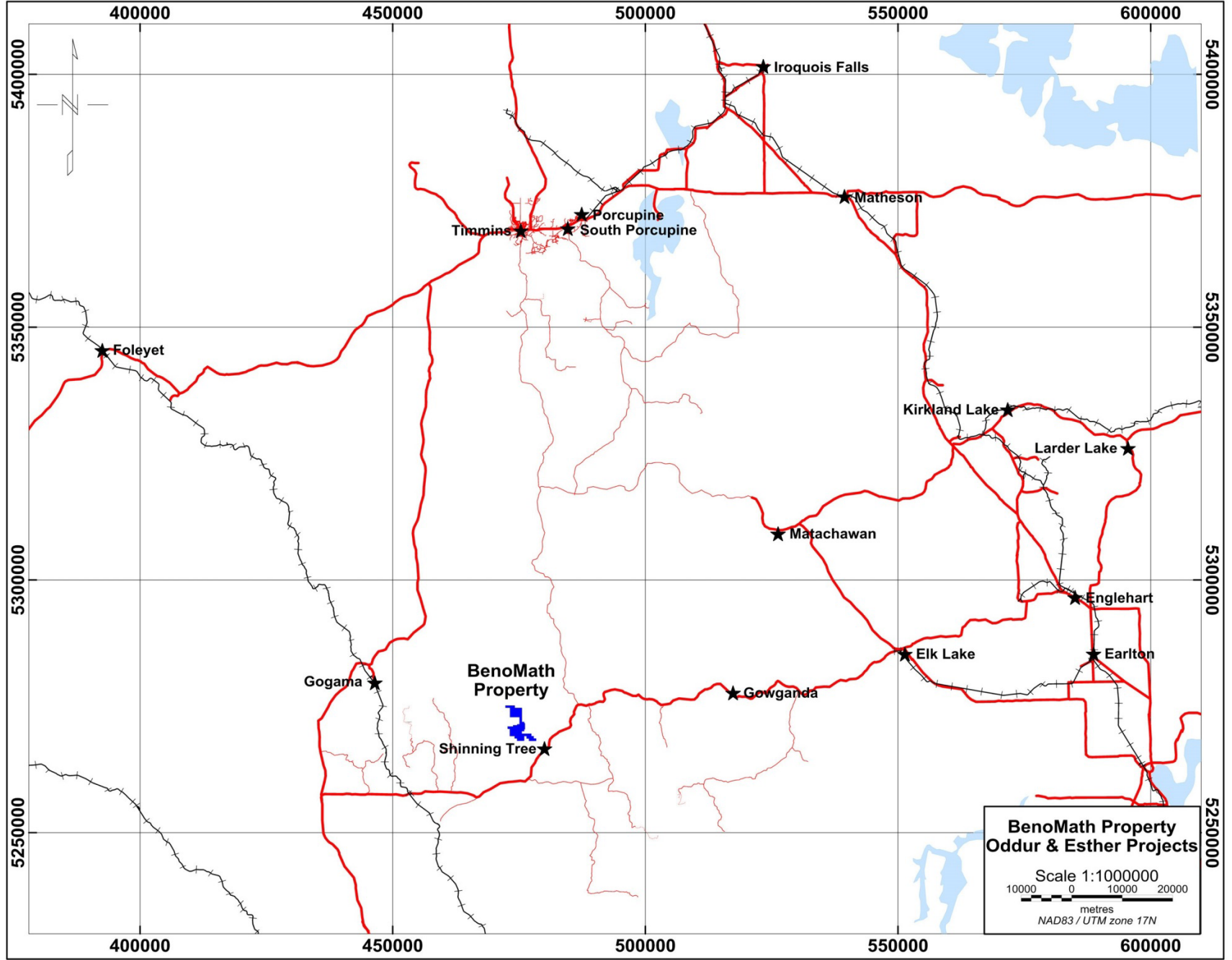
1. I reside at 216 Tisdale Street, South Porcupine, Ontario, Canada, P0N 1H0.
2. I am a graduate of the Computer Programmer/Analyst Program at Canadore College, North Bay, Ontario.
3. I have practiced my geological and geophysical profession intermittently from 1994 to 2009, and consistently from 2009 to present. I have been directly involved in the exploration of several mineral commodities in Ontario and have a strong technical background in geophysics and GIS.
4. I have completed the Mining Act Awareness Program (verification number: BE8C-9100-C9D2-3E6E) and I am familiar with the mining act regulations, policies and procedures.

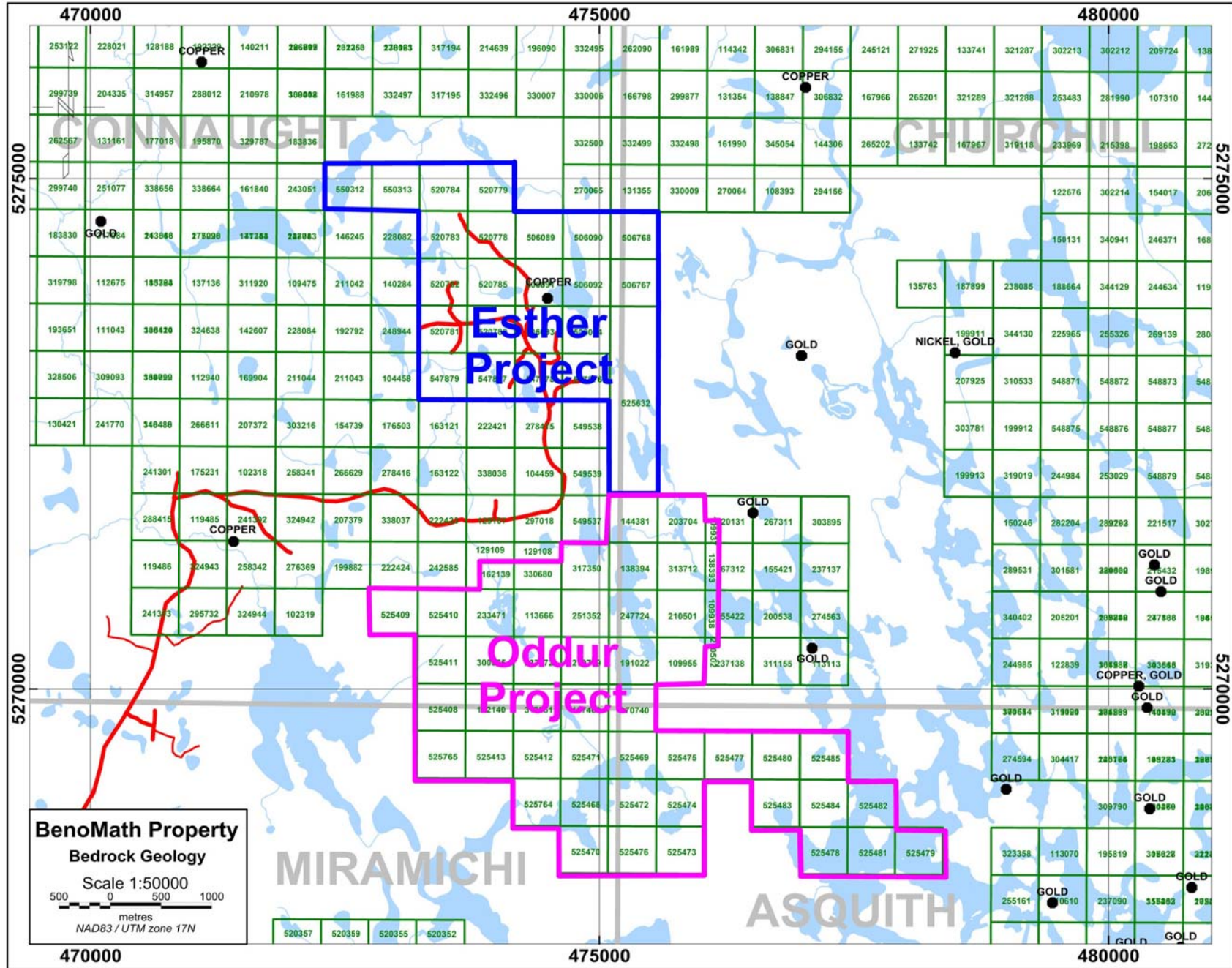
June 28, 2019

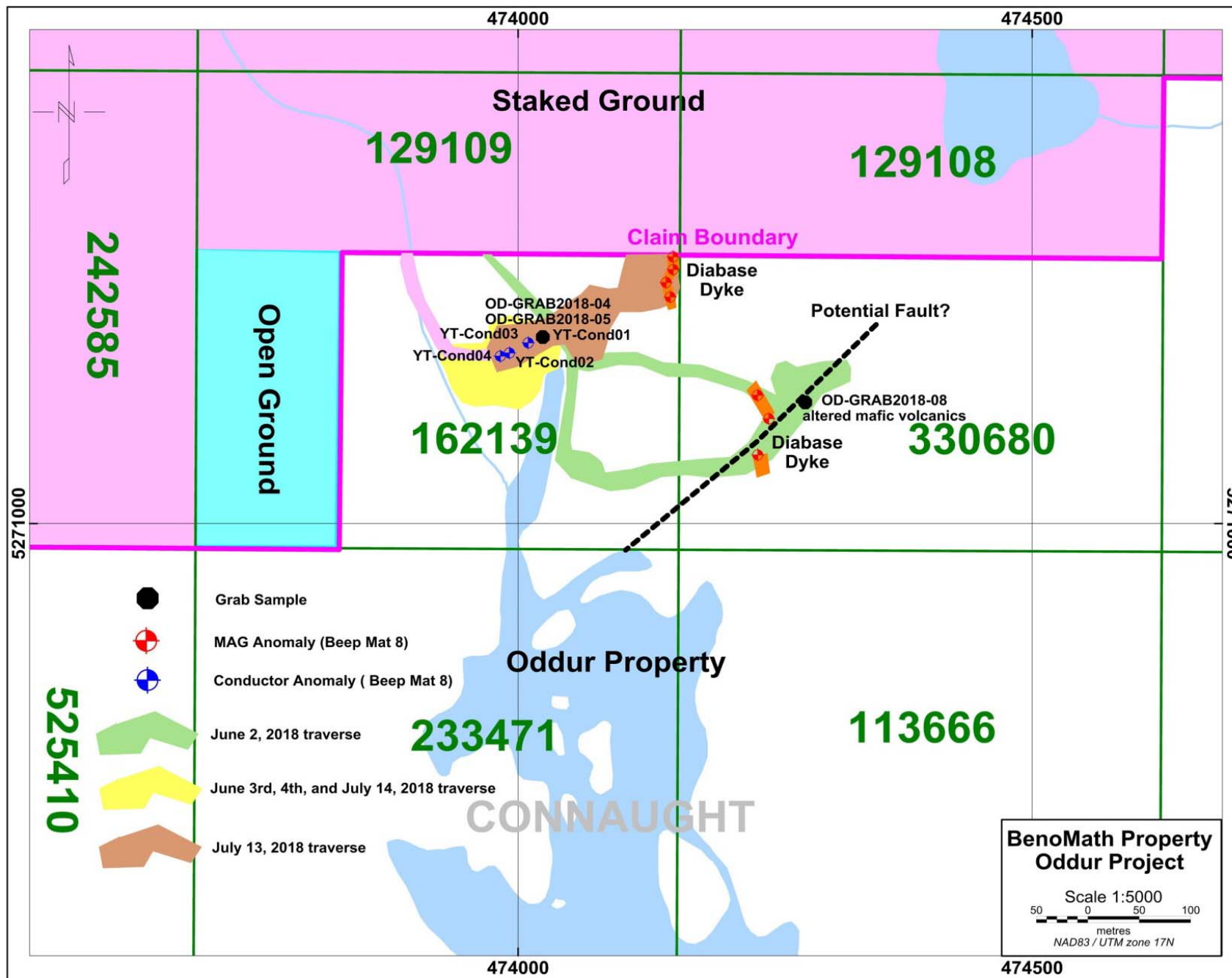


Todd Mathieu

7.0 Appendix A – Property Maps







8.0 Appendix B – 2018 Daily Log

BenoMath Property – 2018 Daily Log

BenoMath Property – Oddur Lake Project

Property Owners/Performed By: Todd Mathieu, Yvan Benoit

Access from Timmins: 2.5 hours of travel one way

June 1, 2018

Friday evening, Yvan Benoit and I mobbed equipment and camp to logging road west of the property. A new logging road through Connaught and Churchill Township is currently under construction. We set up camp and prepared gear for following day. We used the ATV to scout the location and distance we are able to travel on the new logging road with all-terrain vehicles. 5 hour day.

Equipment: Mobile camp gear, truck, ATVs, chainsaw

June 2, 2018

With the use of the ATVs, Yvan and I travelled to location ATV Stop where we were forced to hike the remaining 1.5km to VTEM anomaly A1. A Beep Mat 8 was borrowed from the MNM – South Porcupine Office, to survey as we prospected the area.

VTEM anomaly A1 is a strong, linear VTEM conductor that appears to strike north northwest to south southeast. The VTEM anomaly appears to be associated with a similar striking magnetic anomaly adding to the possibility that the VTEM is directly associated with a diabase dyke. At the location of A1 there appears to be a break in the bedrock/topography suggesting a possible cross faulting structure from the northeast to the southwest. For this reason it provided an excellent opportunity to examine the bedrock along the north face. The Beep Mat responded to several magnetic boulders and outcrops in the area which appear to be part of the intrusive diabase dyke. It appears to be striking north northwest to south southeast. East of the dyke, pyrrhotite and minor chalcopryrite was noted in several seams/stringers within the volcanics. No EM conductor was registered on the Beep Mat 8. Several samples were taken to test with an XRF and potentially send for lab analysis.

Upon finishing examining the area, we continued west and north with the Beep Mat 8 as we headed back to the location of the ATV. During this travel, YT-Cond01 and YT-Cond02 were located with the Beep Mat 8. Although weak EM anomalies, there was noticeable chalcopryrite and pyrrhotite within the bedrock. It was decided further work was required to survey, trench and sample the area. We continued our 1.5km hike out to the ATV and returned to camp for the evening. 8.5 hour day.

Equipment: Mobile camp gear, truck, ATVs, Beep Mat 8, and hand tools

June 3, 2018

With the use of the ATVs, Yvan and I travelled to location ATV Stop where we hiked the 1.5km back to the location of YT-Cond01 & YT-Cond02. Referencing the July 2008 VTEM Survey Report, indicates a weak EM structure that leads into the stronger VTEM EM signature to the west. Yvan began clearing back overburden while I surveyed the area with the Beep Mat 8. Additional conductors were located, but may all be related to the original conductors discovered. Unfortunately the battery in the loaner Beep Mat 8 is not holding a sufficient charge, so the battery died within about an hour of surveying. Additional trenching uncovered contacts that suggest the conductors are striking north northwest to south southeast which would indicate that these conductors are stacked one upon another. This discovery is encouraging considering the very large VTEM EM conductor to the east that is striking in a similar direction. 8.25 hour day.

Equipment: Mobile camp gear, truck, ATVs, Beep Mat 8, and hand tools.

TM JB

BenoMath Property – Oddur Project – 2018 Prospecting Report

June 4, 2018

With the use of the ATVs, Yvan and I travelled to the location of ATV Stop where we hiked the 1.5km back to the location of YT-Cond01 & YT-Cond02. With the use of a small hammer sized grub hoe, small portable shovel, and hammer chisels we continued to pull back roots and moss to better examine the contacts associated with the conductors. Near the end of the day we attempted to use empty water bottles to wash the outcrops, but the volume of water was not sufficient to clean the outcrop and takes pictures.

We hiked all gear out the 1.5km to the ATVs and travelled back to camp, packed up camp, and headed back to Timmins. 9.25 hour day.

Equipment: Mobile camp gear, truck, ATVs, and hand tools.

June 14, 2018

Grab sample OD-GRAB2018-04, OD-GRAB2018-05, OD-GRAB2018-08 were sent to AGAT Laboratories for analysis. Certificate 18T352735 received July 3, 2018.

July 13, 2018

I mobbed equipment the 3 hours from South Porcupine to the BenoMath Property – Oddur Project. The new forestry road has been further extended to a small creek 600 meters north of YT-Cond01. Beyond this point the forestry company is clear cutting and at this time hasn't created the road bed. A pull off was located atop of one of the hills where my truck and equipment would be out of the way and where I was able to locate intermittent cell reception for emergency communication. Bucket, long handled shovel, hammer, chisel, and Beep Mat 8 were all mobbed the 600 meters to YT-Cond01. While the Beep Mat 8 warmed up, using the buckets and water from the nearby stream I began rinsing the trenches created during the June field visit. Using the Beep Mat 8 and the visual contacts in the trenches, I was able to outline the continuation of the conductors trenched and also locate additional conductors which haven't been uncovered and examined as of yet. I took a hike east and northeast over a portion of the larger VTEM anomaly to the east. Unfortunately no conductors were located, but the Beep Mat 8 did respond to the magnetic diabase dyke. I proceeded back to the location of the newly discovered conductors and began trenching YT-Cond-03. I hiked the 600 meters back out to the truck and set up camp for the night.

Equipment: Mobile camp gear, truck, hand tools, and Beep Mat 8.

9.5 hours

July 14, 2018

I hiked the 600 meters to the location of the newly discovered conductors and continue trenching and washing the outcrops uncovered using the water from the stream to the west. I proceeded to take pictures and attempt to chip sample the variations in geology in the bedrock. Some of the bedrock is extremely hard and we will need to sample with the use of a channel saw once we have further trenched the conductors and their contacts. I mobbed all the equipment the 600 meters back to the truck, packed up camp and drove the 3 hours back to South Porcupine.

Equipment: Mobile camp gear, truck, hand tools, and Beep Mat 8.

8.5 hours

Handwritten signatures in blue ink. The first signature is 'Todd Mattes' and the second is 'Yvan'.Small handwritten initials 'TM' with a small box next to them.

9.0 ASSAY CERTIFICATES



Certificate of Analysis
 AGAT WORK ORDER: 18T352735
 PROJECT: Oddur

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
 http://www.agatlabs.com

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Todd Mathieu

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish																
DATE SAMPLED: Jun 19, 2018			DATE RECEIVED: Jun 15, 2018					DATE REPORTED: Jul 03, 2018					SAMPLE TYPE: Rock			
	Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	
	Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
Sample ID (AGAT ID)	RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
OD-2018GRAB-04 (9344919)		0.8	0.64	<1	161	59	<0.5	2	0.70	<0.5	1	200	51.4	2970	15.0	
OD-2018GRAB-05 (9344920)		0.9	0.58	<1	131	49	<0.5	1	0.60	<0.5	1	188	46.9	2420	12.2	
OD-2018GRAB-08 (9344921)		<0.2	2.23	2	40	33	<0.5	<1	0.71	<0.5	<1	29.8	139	89.8	3.78	
	Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
	Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
OD-2018GRAB-04 (9344919)		14	<1	<1	<0.01	2	2	0.29	439	2.4	0.02	89.2	154	5.3	<10	
OD-2018GRAB-05 (9344920)		9	<1	<1	0.01	2	3	0.32	404	2.7	0.02	81.3	194	5.4	<10	
OD-2018GRAB-08 (9344921)		12	<1	<1	0.05	<1	16	1.59	565	1.9	0.12	95.0	221	1.7	<10	
	Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
	Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
OD-2018GRAB-04 (9344919)		8.43	2	3.4	<10	<5	4.5	<10	<10	<5	0.07	<5	21	30.3	4	
OD-2018GRAB-05 (9344920)		7.53	4	4.5	<10	<5	4.1	<10	<10	<5	0.06	<5	9	28.9	<1	
OD-2018GRAB-08 (9344921)		0.75	3	4.5	<10	<5	7.4	<10	<10	<5	0.07	<5	<5	70.7	<1	
	Analyte:	Y	Zn	Zr												
	Unit:	ppm	ppm	ppm												
Sample ID (AGAT ID)	RDL:	1	0.5	5												
OD-2018GRAB-04 (9344919)		5	24.2	<5												
OD-2018GRAB-05 (9344920)		4	19.3	<5												
OD-2018GRAB-08 (9344921)		3	48.8	<5												

Comments: RDL - Reported Detection Limit

Certified By: _____



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T352735

PROJECT: Oddur

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Todd Mathieu

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish				
DATE SAMPLED: Jun 19, 2018	DATE RECEIVED: Jun 15, 2018	DATE REPORTED: Jul 03, 2018	SAMPLE TYPE: Rock	
	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
	RDL:	0.001	0.001	0.005
Sample ID (AGAT ID)				
OD-2018GRAB-04 (9344919)		0.056	0.003	<0.005
OD-2018GRAB-05 (9344920)		0.048	<0.001	<0.005
OD-2018GRAB-08 (9344921)		0.014	0.005	<0.005

Comments: RDL - Reported Detection Limit

Certified By: _____

Sheela Hoessa

2018 Prospecting Program - BenoMath Property - Oddur Lake Project

Item	Number of Days	Cost Per Day/Unit	Sub Total	Notes
ATV	7	\$150	\$1,050	2 ATVs for 3.5 days
Food/Lodging	7	\$75	\$525	Remote camp and food for 2 guys for 3.5 days
Truck Mileage	811	\$0.51	\$414	
Assays			\$104	AGAT Laboratories Invoice
Prospecting	9	400	\$3,600	
Report Writing	3	400	\$1,200	GIS, accounting and report writing
		Total	\$6,893	