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Assessment Report

407043 Ontario Limited

January – 2016 – April 2016

Prospecting, and Topographical Definition.

Sudbury Mining District

Capreol Township

Mining Claims:

4209837

4209838

4209839

4209840

4209842

4209843

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Treasurer: 407043 Ontario Limited

Prospector: Ontario Prospector's Licence # 1009731 exp. 20 Feb2017

CLN: 402761

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## 1.0 Property Ownership and Description

“407043 Ontario Limited” is the recorded claim holder (100%). The address is 3733 Regional Road 15. Chelmsford, Ontario, P0M 1L0

### 1.1 Claims – Capreol Township

4209837 to 4209840

4209842 and 4209843

The above 6 claims comprise 21 units and cover:

The west half of Lot1 Con1.

The south half of Lot 1, Con2

The south east quarter and north half of Lot2, Con 2

All of the west half of Lot 2, Con2

And the east half of Lot 3, Con2,

All of the west half Lot 3, Con2

The South Half of Lot 4, Con2.

### 1.2 Location and Access:

The Claims are Difficult to access given that the majority of the area covered by the claims is swampy low-land for the southernmost extent of the claimed area. This limits access to winter months or with specialised equipment such as track mounted ATVs or other equipment suitable for wet terrain. As previously noted, the Northern Fringe and North-east section of the claims is forested with rock outcrops.

Claim 4209837 abuts Municipal Road 85 (also known as Radar Road) on the south western most corner and Claim 4209837 also abuts land to the west that is owned or controlled by 407043 Ontario limited. This property with a proper driveway and parking area served as a staging area for loading and unloading the ATV and accessing Claims 4209837 and 4209838. For the 2015 assessment work the claims were accessed via a trail that intersects MR 85. (Seek Sketch) These claims were accessed on foot, Ski and on snowshoe.

The northern section of claim 4209839 and claims 4209840 and the northern portion of claim 4209842 were accessible from a trail leading off of an exploration road known as Capre Road which is situated at the far east extent of Cote Boulevard (approximately 1.6 km north of MR 85) the northern Section of Claims 4209839, 40 and 42 were accessed by track mounted ATV as well as Snowshoe and X-country Skis.

Claim 4209843 was accessed via MR85. Claim 4209843 is transected by MR 85 in the South West quarter of the claim leaving approximately 25% of the claim west of MR85. Lines 4 and 4a were accessed via X-Country Skis.

## 2.0 Introduction and Objectives

During the Period of January 15<sup>th</sup> 2016 to April<sup>th</sup> 2016 an exploration program was carried out over 5 of the 6 mining claims situated in the southeast corner of Capreol Township, in the Sudbury mining district as described above. The exploration work comprised of basic prospecting, including mapping terrain, and re-cutting old claim lines.

GPS Equipment was used to locate claim posts and establish and control base lines for the purposes of evaluating and mapping terrain to determine the extent of the low lands, finding describing and sampling exposed bedrock, and mapping high ground and rock outcrops.

Stations were established via physical measurement and GPS measurement and field notes for and sketches were taken on 100m intervals. Heavy Snow cover and frost were beneficial for traversing the mostly low land and swampy areas, but it also proved to be a hindrance when working on the higher ground. Particularly when locating exposed bedrock.

The exploration program was modified ad-hoc to address the challenging field conditions.

## 3.0 Personnel and equipment

Benjamin van Drunen and Thomas van Drunen completed the Claim line cutting as well as noting the stations. Equipment included 1 Pick-up truck as transportation. The Claims were accessed on foot from MR85. See SK1

## 4.0 Cost For Assessment Topographical Description – Lines Adapted from 2014 and 2015 Reports (See Sketch)

Costs

work						
date	pers	rate \$/h	time (h)	amount	Description	calim #
7-Jan-16	BvD	\$ 50.00	2.5	\$ 125.00	Drive Chelmsford to MR 85 to verify access to claims	4209837 ; 4209838
13-Jan-16	BvD	\$ 50.00	2.5	\$ 125.00	Request Extension of time due to access	all
14-Jan-16	BvD	\$ 50.00	2.5	\$ 125.00	Drive Chelmsford to MR 85 to verify access to claims	4209837 ; 4209838
19-Jan-16	BvD	\$ 50.00	2	\$ 100.00	Drive Chelmsford to MR 85 to verify access to claims	4209837 ; 4209838
25-Jan-16	BvD	\$ 50.00	2	\$ 100.00	Chelmsford to MR 85 verify access to 37 and 38	4209837 ; 4209838
27-Jan-16	BvD	\$ 50.00	6.5	\$ 325.00	Travel to claim obtain access at north end of claims, Verify access for obstructions for ATV; Check creek crossings	all

28-Jan-16	BvD	\$ 50.00	6	\$ 300.00	Review Previous Cliam work. develop work plan for 2016	all
28-Jan-16	TvD	\$ 50.00	6	\$ 300.00	Gather Equipment and Set-up unit 109	all
29-Jan-16	BvD	\$ 50.00	8	\$ 400.00	Travel to 4209837 and 4209838 from Cote Access	4209837 ;4209838
	TvD	\$ 50.00	8	\$ 400.00	Unit 109 stuck in Low-Land access	4209837 ;4209838
	109	\$ 50.00	8	\$ 400.00	Extricate unit 109	4209837 ;4209838
23-Feb-16	BvD	\$ 50.00	9	\$ 450.00	Travel to 4209837 and 4209838 obtain samples on 4209837	4209837 ; 4209838
	TvD	\$ 50.00	9	\$ 450.00		4209837 ; 4209838
24-Feb-16	BvD	\$ 50.00	6	\$ 300.00	RE-Cut North Line 4209839	4209839-43
	TvD	\$ 50.00	6	\$ 300.00		
	109	\$ 50.00	6	\$ 300.00		
1-Mar-16	Bvd	\$ 50.00	8.5	\$ 425.00	RE-cut and evaluate North Line 4209840	4209839-43
	Tvd	\$ 50.00	8.5	\$ 425.00		
	109	\$ 50.00	8.5	\$ 425.00		
2-Mar-16	BvD	\$ 50.00	7.5	\$ 375.00	Attempt to acces 4209840. Breakdown on unit 109	
	TvD	\$ 50.00	7.5	\$ 375.00	Remove unit 109 for repairs	
	109	\$ 50.00	7.5	\$ 375.00		
3-Mar-16	TvD	\$ 50.00	5	\$ 250.00	make repairs to 109	all
	Mech	\$ 50.00	3	\$ 150.00	make repairs to 109	all
8-Mar-16	BvD	\$ 50.00	9	\$ 450.00	RE- Cutting Lines and prospecting 4209840 and 4209842	4209839-43
	TvD	\$ 50.00	9	\$ 450.00		
	109	\$ 50.00	9	\$ 450.00		
9-Mar-16	BvD	\$ 50.00	8	\$ 400.00	RE- Cutting Lines and prospecting 4209840 and 4209842	4209839-43
	TvD	\$ 50.00	8	\$ 400.00		
	109	\$ 50.00	8	\$ 400.00		
5-Apr-16	BvD	\$ 50.00	8	\$ 400.00	Prospecting 4209842 -- Obtain Bedrock Sample	4209839-43
	Tvd	\$ 50.00	8	\$ 400.00		
25-Apr-16	BvD	\$ 50.00	8	\$ 400.00		all

26-Apr-16	BvD	\$ 50.00	8	\$ 400.00	
ALS Invoice 3535340				\$ 120.31	4209837
<b>Total</b>				<b>\$ 11,570.31</b>	

**Cost Allocation:**

The Claim units are divided by one section of patented land that is not part of the 407043 Ontario Limited Block. The work was therefore divided amongst two blocks as follows:

Block 1.	Claim # 4209837 and 4209838	Cost \$ 3,795.31
Block 2.	Claims 4029839;4209840;4209842;4209843	Cost \$ 7,775.00

## 5.0 Topographical Description

Methodology. The Mining Claims 4209837 and 4209838 were accessed on foot from MR 85. The work was based from some items noted when completing the 2014 and 2015 Assessment work. A gramim GPS was used to locate the Claim posts and the Originally Blazed claim line. The coordinates for the South East Corner Post submitted by the original staker seemed to be off by 12 meters. Original Claim Lines were located from Map, GPS old Flagging Tape and Marks made on Vegetation. The claim line was re-cut using the Existing Marks as a benchmark. We were able to re-establish the claim lines based on the old cuts. Additional Blazing, cutting and Flagging was added.

Physical Data from observations was logged and is presented in the table below. Where possible, the work builds upon work completed in 2014 and 2015.

Topography Survey and Other Activities – See SK1 and Sk2 observations as noted below

Assay for 1 rock sample taken on claim 4209837

Rock description for samples taken on 4209837 and 4209840

Station number / Claim #	Notes
<b>Line 9 4209837 STN 0+660</b>	Rock Sample taken – See Description and Assay
<b>Line 10</b>	Chainage Start on NW Corner 4209839 Chainage West to east. Claim Line re-cut in association with below descriptive work
0+000 – 0+100	Mixed forest to open area. Presumed rock outcrop or shallow soil (overburden) with blueberry and other shrubs.
0+100 – 0+180	Barren rock outcrop with sparse vegetation

0+180 - 0+400	Mixed Forest with Rock outcrop ridges, presumed and verified.
0+400 – 0+440	Dense Lowland vegetation (willow and alder with some conifer). Floodplain terrain. Creek crossing at 0+425
0+440- 0+550	Terrain gains significant elevation with exposed bedrock. Area sampled in 2014. Mixed hardwood forest
0+550 – 0+610 N.E CP 4203839	High Rock outcrop Mixed Forest. N.E Corner Post at 0+625
<b>Line 11</b>	Chainage Start at NE Corner Post 4209839 southerly to End at SE CP 4209839. Claim Line re-cut in association with below descriptive work
0+000 – 0+400 s	Mixed Hardwood Forest. Terrain is variable with ridges. Some exposed Bedrock and predominantly Till. Additional ground verification required during dry period
0+400 – 0+475	Exposed Bedrock with sparse cedar cover. Bedrock changes to swamp area at 0+460.
0+475 – 1+600	Open Low Land with Sparse Cedar. (Swamp) Creeks crossing at 1+200 and 1+525
<b>Line 12</b>	Chainage Start at NE CP 4209840. Chainage Running East to West Claim Line Re- Cut 4209840 NE to NW corner posts. Line 12 carried to West boundary of 4209839
0+000 – 0+150	Sloped area. Mixed Hardwood vegetation. Till. Rock Ridge NE to SW direction at stn 0+100
0+150 – 0+240	Baren Area. Visible Exposed Bedrock. Sparse Vegetation predominant Birch Suspect shallow soils
0+240 – 0+400	Terrain descends into lower are. Vegetation is more dense with conifers and Aspen as well as low land shrubs. 1 rock ridge or till ridge near corner post at station 0+350. NW CP of 4209840 located at station 400.
0+400 – 0+490	Dense Forrest varying and becomes sparse as terrain gradually descends to low land. Transition from upland to low land at StN 0+490.
0+490 – 1+010	Open Lowland
<b>LINE 13</b>	East Claim Line of 4209840 – RE-Cut and topographical description as follows Chainage from north to south starting at NE CP 4209840
0+000 – 0+400	Mixed Hardwood with ridges of till and some exposed bedrock suspected. Snowcover too deep to distinguish composition. Re-visit when conditions are snow free. Line 13 Topography description to be continued during future program. South of stn 0+400 the terrain becomes swampy. High ground anticipated near southern section on claim 4209843
Line 14	North Claim line of Claim 4209842 Chainage from east to West; south boundary of 4209840 and intersects 4209839. Line Re-cut to STN 0+400
0+000 – 0+100	Mixed Hardwood. Suspect Till on ridge. Prominent ridge running NNE to SSW at stn 0+100. Suspect Till. Snow too deep top verify
0+100-0+350	Mixed Hardwood. Till suspected. Terrain undulates
0+350- 0+400	Topography opens up to reveal shrubs and or suspected exposed bedrock. Ridge changes to swamp at aprox 0+410
0+400 – 0+1400	Open Swamp. Did not attempt to traverse due to breaking up conditions Rock island visible to west. Satelite image and claim map shows potential exposed bedrock island north of 0+550 on claim 4209840
Line 4	Re – Cut from 2+400 to 1+700. Chainage South to North



Revised observation	
2+400- -2+200	Hilly Terrain. Some Bedrock. Mixed Hardwood and Softwood Forest. Mostly Till as overburden
2+200 – 2+100	Low Lying Area with mixed vegetation. Swampy
2+100 -2+000	South Facing Hardwood mostly till with some exposed bedrock near crest of slope
2+000 -1+900	Beaver Pond with 2 creeks to cross
1+900 – 1+700	Open Vegetation. Exposed Bedrock

Rock Samples		
Line 9 STN 0+660	High Colour Index (Dark Grey) Medium Grained, Basaltic, Porphyric, some quartz eyes and blebs. Some sulphides present. Pyrite. Rock Tough to Break Assay Enclosed	WPT 288 N46°38.165' W080°51.293'
Line 14 0+150	Rock Sample Taken High Colour Index >90% Dark grey, hypo-basaltic, fine grained, brecciated inclusions, quartz inclusions, porphyric silicate crystals, disseminated sulphide specs mainly pyrite. Probably Shear Zone Material No Analysis	WPT 290 N 46°38.651' W 080°49.580'

### **Discussion and Recommendations:**

This portion of the exploration program has revealed information about the subject properties. Access has been a perpetual challenge given that the majority of the areas are swampy low lands. This has limited access to winter months when conditions are more favourable. Winter prospecting poses a whole other set of challenges including namely the prevalence of frost and snow.

#### **Claims 4209837 and 4209838:**

We did however discover some high ground along the southern fringe of claim 4209837 with some exposed rock. A sample was taken, described and analysed. Results included. This feature ties into a rock ridge that is visible from MR 85 to the south. Access to this rock outcrop is limited due to the surrounding swamp that is too wet to traverse with equipment and not suitable for a boat. Additional exploration and sampling is required when access permits. The 2016 program did allow for 1 sample to be taken. Additional sampling and confirming bedrock in future program. Previous exploration work carried out on this property (2007-2008) Magnometer Survey completed by Gerald Gereghy and the Airborne Survey completed in 2009 by Geotech Ltd point to the Northern portion of the above claims for future work. The Topographical portion of this prospecting program points to the North East Corner of Claim 4209838 as a potential location for finding bedrock that is not deeply covered with overburden.

Recommendation:

1. Submit Exploration plan to allow equipment access to the properties. This can facilitate excavation of test pits to map overburden or this can allow for the drilling of boreholes.
2. Winter Work remains the preferred working method for these claims given the extent of the area that we consider to be low land and swampy.
3. Utilize dry, or early frost (little snowcover) to access outcrop on 4209837.
4. Exploration on 4209843 during dry conditions.
5. Continue Topographical Mapping on line 13 including some re-cutting at south section
6. Establish and line 14 and 15 Which will be southern claim boundaries. Complete topographic description and re-cutting

## **6.0 Appendix:**

### **6.1 Sketchs of Claims: File Name: 2016 -- Assessment Report Revised Sketch.pdf**

### **6.2 Assay Results with Receipt**





SK2

2016

NT  
(magnetic)

Line ③ 45  
 Line ④ 48  
 Rock outcrop  
 Begin swamp  
 49 46  
 44 43 38  
 42 37  
 39  
 41  
 50 (A, B, C)  
 All samples taken  
 in 3m Radius

4209838  
see SK1

Line 12 ↓

Line 14 ↓

4209840

4209839

51

Line 13

Island Line 14

Re-cut 2016

OPEN SWAMP

Extent of open swamp

Cedar Swamp

TRAIL

Re-cut 2016

4209843

MR 85 approx location

407043 ONT LTD  
 FEB-MAR 2014 SAMPLING  
 CARROL TWP  
 CLAIMS AS INDICATED

— Re-cut 2016

SCALE

SAMPLE DENOTED  
 BY ● #  
 NUMBERS CORRESPOND  
 TO WPT ON GPS +  
 DESCRIPTION

0 100 200 meters

— Sections of Claim Line 10 Re-cut

Heavy Bush  
 WPT 54  
 WPT 53  
 Line 14  
 Begin slope

Swampy wetland

Line 14