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# 2021 PROSPECTING REPORT – Drill Holes: SW-21-01

CLAIMS#

103541,103542,103543,103544,103545,105003,107714,118817, 122552,124142,125511,136147,136148,137502,137503,139364, 140129,143512,144292,161056,172866,172867,172888,180515, 181347,181348,186579,189494,190810,200324,202932,209592, 209609,215853,217342,234403,234404,234405,234406,235919, 236773,238112,239474,246570,246571,246959,246974,252729, 271781,281865,281866,283932,283933,288464,289938,294115, 295338,296568,305491,308719,312232,325110,329656,329657, 341516

> Swill Diamond Drill Project THUNDER BAY MINING DISTRICT

> > Prepared By: Martin Drennan, P. Eng

August 13, 2022

# Contents

1.	Work Summary2								
2.	Introduction	2							
3.	Property Description	4							
4.	Regional Geography	6							
5.	Regional Geology								
6.	Property Geology	6							
7.	Mineral deposit types-model-reasons	7							
8.	Drill Hole Summary Tables:								
9.	Work History	8							
10.	Work this Period	. 10							
a.	May-August, 2021	.10							
b.	September, 2021	.10							
11.	Conclusion and Recommendations	.10							
12.	References	.11							
13.	Appendices	.12							
14	4.1 Logging codes	.12							

# List of Figures:

Figure 1 – Location and Access	3
Figure 2 –Claim Group Map	5
Figure 3 - Phantom Geophysics Testing	9

## 1. Work Summary

Work during Spring and Summer 2021 was based on a surface anomaly identified during 2016/2017 as well as drilling completed in 2019. 3 drill hole were planned for this program. There was 1 hole completed to 198.5m. No core logging or assays were completed as the core is being logged and anticipated to be logged by next week as well as assay samples prepared. Work was performed by Martin Drennan, Dwaine Makasoff, Joseph Soucie and Raymond Osawamick.

## 2. Introduction

This report is a description of the drilling completed on claim 220674 (42F04E152) which is a claim in the Leslie Townships in the Thunder Bay Mining District and trail work completed on claims 181349 (42F04E133), 188122 (42F04E153), 220674 (42F04E152). The claims can be described as being located in the Manitouwadge mining camp (as defined by previous copper producers – Wilroy and Geco Mines). These claims are held by the author (Martin Drennan).

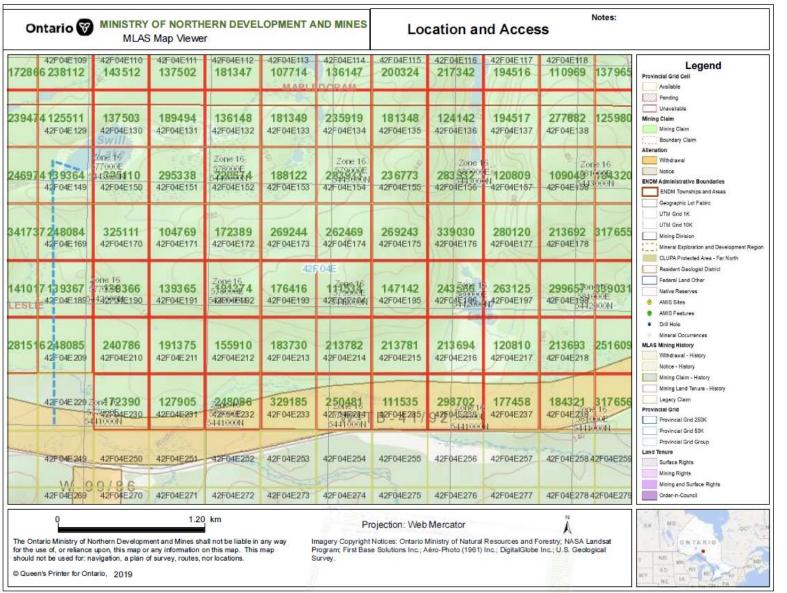
The objective of this work and a 9 hole plan submitted to MNDM in early 2020 is to firstly test a specific area of interest developed from previous prospecting work. Secondly, this area of interest may have mineralization of gold, but more likely similar base metals as have been found in the region.

Coordinate information in the following text and associated support materials is UTM coordinate system within Zone 16 and uses NAD27.

This drill work was performed on PR-21-000073 drill permit.

The work in this report has been reviewed by the author and determined to be accurate. Location and Access

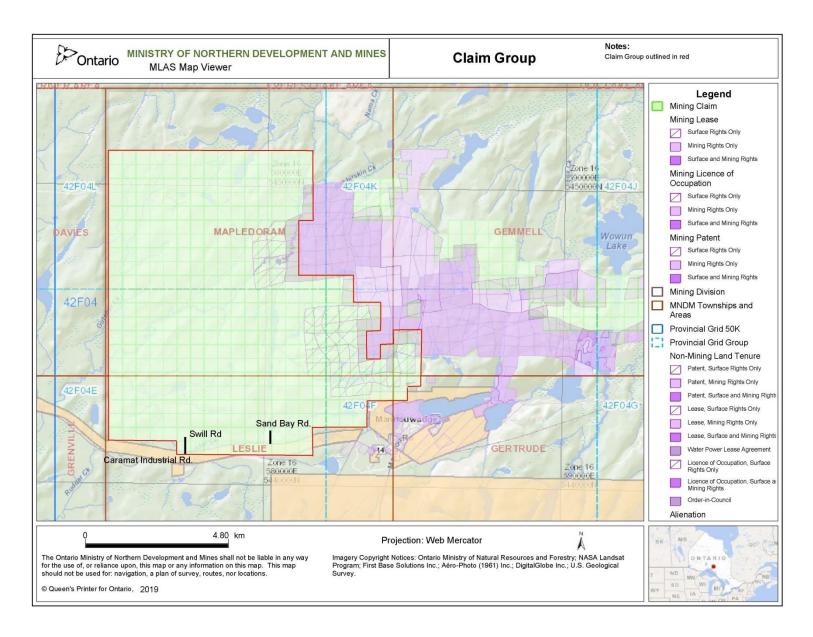
Leslie Township is located south east of Thunder Bay. Access is via Regional Road 614 to Caramat Industrial road. Caramat Industrial leads to the access road – Swill Lake Road. Swill Lake road was used to access the work area. See Figure 1 – Location and Access (work areas are highlighted with blue lines). No area organize was established to define "working areas" as the initial work was to establish anomaly locations. Once anomaly locations are established – a reference will be defined.





## 3. Property Description

The claim group consists of 381 claims in Manitouwadge area within the Thunder Bay Mining District. See Figure 2 – Claim Group Map. The claims are a continuous package (outlined in red) with the eastern claims adjacent to the patented Geco Mine claims and some surface property lots. The claims are: 103541,103542,103543,103544,103545,104022,104769,105000,105001,105002,1 05003,105372,105577,105578,105579,105806,106894,107714,107882,109020,10 9049,110611,110968,110969,111534,111535,111589,111905,112279,112280,113 567,114381,118817,119279,120809,120810,122552,124142,124353,124354,1252 81,125282,125283,125511,125977,125978,125979,125980,127905,128642,13047 4,130899,130900,131647,132424,135753,135754,136147,136148,136739,136815 ,137212,137502,137503,137963,137964,137965,139364,139365,139366,139367, 140126,140127,140128,140129,140676,141017,142329,142466,143191,143512,1 44292,146080,146081,147142,147327,147328,147989,148331,148332,153306,15 5261,155262,155910,156587,157779,159618,161056,161363,162601,162602,165 736,165737,166690,167188,167189,167190,170517,170518,170519,170520,1717 33,171734,171913,172389,172390,172642,172643,172866,172867,172888,17339 8,175305,175306,175340,176208,176209,176210,176211,176416,176970,177458 ,179158,180515,181347,181348,181349,181588,182040,182310,183730,183771, 183772,184320,184321,184670,185112,186579,187051,188122,188381,188382,1 88807,189022,189265,189494,189749,190721,190810,191374,191375,192647,19 2684,193704,194516,194517,196452,196453,196648,200324,200982,201003,201 041,201042,201904,202442,202932,207066,207882,207883,208546,209592,2096 09,209754,212925,212926,212927,213160,213659,213692,213693,213694,21378 1,213782,213822,214677,215523,215853,217342,220513,220514,220515,220674 ,221930,224709,224710,226561,229860,229901,231364,232503,232504,232704, 234403,234404,234405,234406,235919,236773,238112,238388,238527,238691,2 39474,240124,240125,240786,241811,242068,242479,243566,245122,246321,24 6570,246571,246959,246974,247422,248084,248085,248086,249235,249884,250 317,250318,250481,251577,251578,251579,251609,252729,255686,256365,2566 30,257076,257433,260356,260357,260358,260359,261983,262374,262469,26312 5,263872,265206,266361,266362,267164,267165,267678,268654,268655,268656 ,269243,269244,269285,269701,269702,269703,271781,271929,275130,275381, 277882,278851,280092,280120,281514,281515,281516,281865,281866,283932,2 83933,285805,286538,286539,288462,288463,288464,289938,292647,292648,29 2649,292661,292880,292881,294115,295338,296566,296567,296568,297451,297 452,297453,297454,298702,299162,299657,299924,300526,300527,302945,3047 82,304820,304821,304822,305200,305314,305315,305491,306014,308719,30986 4,310185,312232,312500,315217,315218,316891,317035,317036,317037,317655 ,317656,319123,321819,321820,322527,323846,323847,323885,324447,325110, 325111,327733,327734,327735,328015,329185,329385,329386,329656,329657,3 30570,332376,332541,332542,333019,336634,336838,337292,337931,338494,33 9030,339031,341516,341737,341738,345446





## 4. Regional Geography

Topography in the area is a mix of low areas with water and hills/ridges with a general east-west orientation. Outcrops are common of hillsides with numerous fragmented rocks buried in soil.

Vegetation is principally coniferous, and deciduous trees as well as numerous alder bush. In low lying areas, grass and cedars are predominant.

Wildlife activity is principally moose, bear, wolves, and beaver. Numerous bird species are present including grouse, and crows.

# **5.** Regional Geology

The property is located within the Manitouwadge greenstone belt, which is located within the Wawa subprovince of the Archean Superior province. The Manitouwadge greenstone belt is located south of a tectonic boundary between the volcanoplutonic Wawa subprovince and the metasedimentary-migmatitic Quetico subprovince to the north (Zaleski and Peterson 1995). The Manitouwadge greenstone belt consists of bimodal felsic-mafic volcanic rocks, greywacke, ironformation, and intrusive rocks that have all been metamorphosed to upper amphibolite facies and subject to four episodes of deformation (Zaleski and Peterson 1995). The Manitouwadge synform is the major structure present in the Swill Lake area. It is part of a group of regional Z-shaped D3 folds formed in response to dextral transpression (Zaleski and Peterson 1995). The Manitouwadge synform consists of an inner and outer volcanic belt which mantle a synvolcanic trondhjemite (Lodge 2013). The inner and outer belt are separated on the southern limb of the synform by metasedimentary rocks. Previously mined volcanogenic massive sulfide deposits are located on the southern limb of the Manitouwadge synform and have all been hosted in the inner volcanic belt (Lodge 2013).

## 6. Property Geology

The Swill Lake claims cover the hinge and the upper limbs of the Manitouwadge synform and have previously been interpreted to be stratigraphically above the Geco Mine Horizon (Degagne 1989). The metavolcanic rocks on this property belong to the outer volcanic belt of the Manitouwadge synform. The surficial geology of the claims from the southern limb to the core consists of mafic metavolcanics rocks including amphibolites, mafic schists and gneisses as well as foliated gabbroic units. Thin bands of felsic metavolcanics rocks including felsic gneisses and felsic schists are interlaid within the main mafic component. North of these units are felsic to intermediate metavolcanics rocks generally as muscovitegarnet to amph-muscovite-garnet schists and gneisses. Metasedimentary rocks, predominantly metagreywacke overlay the felsic to intermediate metavolcanics and are mainly located in the eastern claims. A massive tonalite is present in the core. In the northeastern portion of the claims granodiorite-monzadiorite of the Nama Creek pluton is present. NE-SW trending and NW-SE trending diabase dikes cut through the previously described units. A minor orthoamphibole-garnet  $\pm$  cordierite gneiss outcrops SW of Swill Lake. Quartz veining observed on outcrop consists of thin 1-15 cm veins with occasional minor pyrite mineralization.

#### 7. Mineral deposit types-model-reasons

Exploration in the Swill Lake mining claims has targeted volcanogenic massive sulfide mineralization- Cu,  $Zn \pm Au$ , Ag.

The Swill Lake mining claims lie east of four past producing volcanogenic massive sulfide deposits: Geco (55 Mt at 2.3% Cu, 8.2 Zn, 74 g/t Ag), Willroy (4.6 Mt at 1.3% Cu, 5.7% Zn, 48 g/t Ag), Willecho (3.8 Mt at 0.6% Cu, 3.9% Zn, 53 g/t Ag) and Nama Creek (0.3 Mt at 0.8% Cu, 3.9 % Zn, 28 g/t Ag) (Lodge 2012 and ref. within).

Although all known economic mineralization occurs in the inner volcanic belt, Zaleski and Peterson, 1995 correlated the inner and outer volcanic belts of the Manitouwadge synform as a product of D2 fold repetition. This is significant as, barring removal from erosion or faulting, altered and/or mineralized zones from the Wilroy-Geco area should be repeated (Zaleski and Peterson 1995).

# 8. Drill Hole Summary Tables:

Drill hole number:	Swill 2021-01
Collar Location (UTM Zone 16N)	578304 E, 5443110
Azimuth:	334°
Dip:	80
Hole length:	198.5m
Number of Samples:	X (Pending)
Number of Assays:	X (Pending)

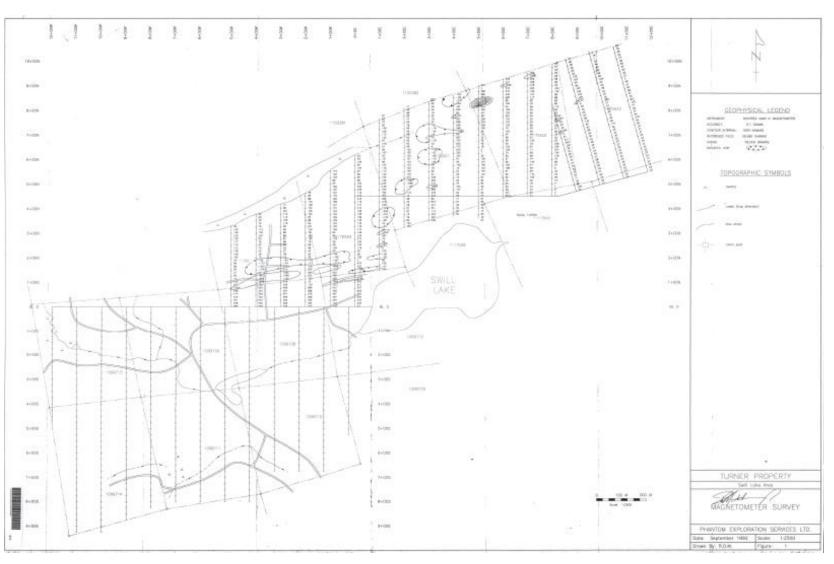
# 9. Work History

Work has been completed by Noranda which included magnetometer, followed by diamond drilling in any anomalous areas.<sup>2</sup> Other companies such as OKLECO, OKLEND, Delmico Mines and C.H.I.P. Mines performed magnetometer and geological surveys.<sup>3</sup> Anomalies appear to have been followed up with additional work including diamond drill. Unfortunately, no details on diamond drill results have been found by this author. Previous authors elude to finding results and reference to "G.D.I.F. 190 for further information".<sub>4</sub>

Further research was performed and work of interest was identified. Claims in this area were held in the early 1990's by Albert Turner. Mr. Turner drilled several shallow (less than 30m) drill holes. No significant assay data was recorded. Assays were for Ag, Au, Cu, Zn.<sub>5</sub> Additionally, Mr. Turner employed Phantom Exploration Services Ltd. (Phantom) of Thunder Bay to perform a geophysics study. The study consisted of VLF and proton magnetometer surveys. The surveys were conducted as per Figure 3.<sub>6</sub>

The results were summarized as a local magnetic high was noted as a diabase dyke. The next notable magnet anomaly was noted as iron rich mafic volcanics. Additionally, the results were cautioned as the topography and the soil clay content made all trends to be "considered superficial in nature"<sub>7</sub>





#### 10. Work this Period

#### a. May-August, 2021

#### Period Summary

Work was focused on accessing the target drill claims. A dozer was initially used to clear an area in swampy ground. Subsequently, an exacavator was purchased and a "trail" was developed around the swampy ground on the edge of a hill. Development was slow through thich brush and a "road" was developed with material (sand/aggregate) as a dressing material. Development continued to target holes "4", "5", "6" and approaching "7".

Water sources were identified and areas for water collection were created.

Dwaine Makasoff (driller) was sourced from Swan River, MB and arrived in Manitouwadge late August.

#### b. September, 2021

#### Period Summary

Additional, personnel were sourced for drilling. Joseph Soucie and Ray Osawamick started drilling with Dwaine on Labour Day. Drilling progressed with 198.5m completed by September 16<sup>th</sup>. A contract resulted in what was anticipated to be a brief delay. Drill was anticipated to resume in October. The delay was actually until May 2022.

#### **11. Conclusion and Recommendations**

The work performed in 2021 was reasonable with respect to obtaining this drill hole data. The presence of granite and chloritized zones was noted in the drill core. The metres drilled were in the range for the program though having only 1 hole partially completed is a minor disappointment. The recommendation is simply to continue the planned 9 hole program and assemble data as it is acquired to realign drilling. Some additionally drilling maybe warranted after the first and second hole during 2022 drilling.

#### 12. References

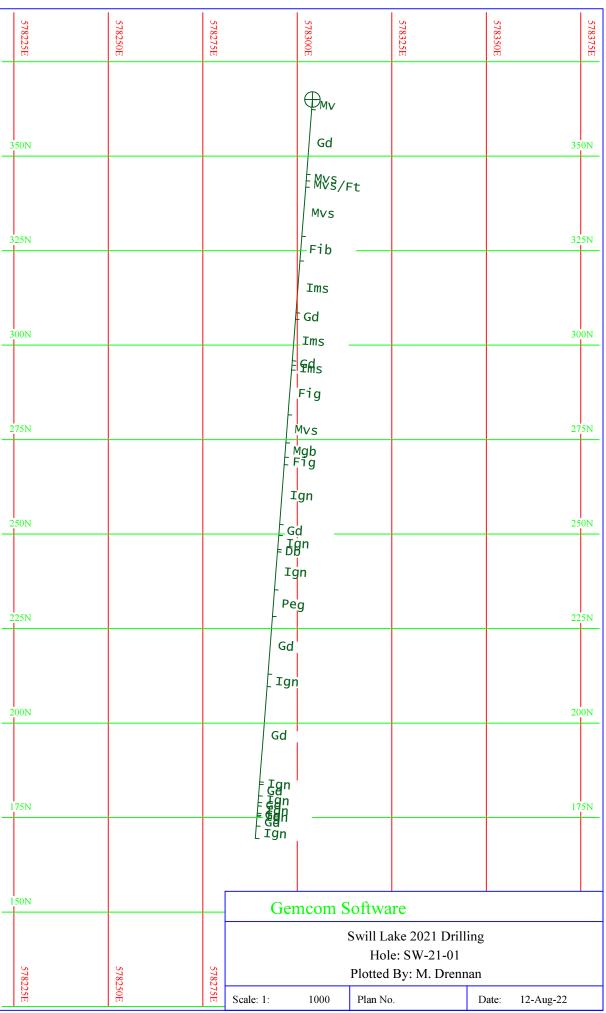
- GRANGES INC., MAN PROJECT, GEMMEL, GERTRUDE, MAPLEDORAM AND LESLIE TOWNSHIPS CENTRAL AND NORTH CENTRAL GRID GEOLOGY REPORT, Warren Bates, B.Se., Hons. Geol August 6, 1993 (Page 2)
- GRANGES INC., MAN PROJECT, GEMMEL, GERTRUDE, MAPLEDORAM AND LESLIE TOWNSHIPS CENTRAL AND NORTH CENTRAL GRID GEOLOGY REPORT, Warren Bates, B.Se., Hons. Geol August 6, 1993 (Page 3)
- GRANGES INC., MAN PROJECT, GEMMEL, GERTRUDE, MAPLEDORAM AND LESLIE TOWNSHIPS CENTRAL AND NORTH CENTRAL GRID GEOLOGY REPORT, Warren Bates, B.Se., Hons. Geol August 6, 1993 (Page 3)
- GRANGES INC., MAN PROJECT, GEMMEL, GERTRUDE, MAPLEDORAM AND LESLIE TOWNSHIPS CENTRAL AND NORTH CENTRAL GRID GEOLOGY REPORT, Warren Bates, B.Se., Hons. Geol August 6, 1993 (Page 3)
- 5. 42F04NW0001-Turner Assessment work after staking a claim work report number 1
- 6. 42F04NW0033-Turner-Maps Geological and Geophysical Reports Phantom Exploration Services Ltd. September 1992
- 42F04NW0033-Turner Geological and Geophysical Reports Phantom Exploration Services Ltd. September 1992 (Page 5)

# 13. Appendices

# 14.1 Logging codes

Dt		Diorite			Grt		Granite
Gt		Granodi	orite		Db		Diabase
Fis		Felsic-in schist	termedia	ite	Fig		Felsic-intermediate gneiss
Mvs		Mafic so	hist		Mgb		Metagabbro
Mgn		Mafic gr	neiss		Peg		Pegmatite
Sgw		Metagre	eywacke				
ALTERA	TION CODES						
Unalt	Unalterated		Dol	Dolor	nite		
Chl	Chlorite		Cc	Calcit	e		
Qtz	Quartz		Ank	Ankei	rite		
Ser	Sericite		К	Potas	sic		
Bt	Biotite		Msc	Musc	ovite		
Fch	Fuchsite					-	
Sp	Serpentine		ALTER		NTENSITY		
Тс	Talc		Wk	Weak	(		
Ер	Epidote		Md	Mode	erate	1	
Ab	Albite		Str	Stron	g	-	
						-	

Figure 4- SW-21-01 Section



SURPAC - Gemcom Software

# an Conci

																Dre	nnan Co	onsu	Iting and	d Diamo	nd D	rilling				
																GE	OLOGIC	AL D	RILL LOO	G - SWILL	PRO	JECT				
Proje	ect:	Swill 2021						LITH	THOLOGY CODES														ALTERATION CODES MINERALIZATION CODES SAMPLE TYPES			
Logged	d by:	Rob Reuk																						Unal	lt l	Unalterated Dol Dolomite Py Pyrite Vg Gold C Core
Hole		Swill 2021	-01	-		-		Gb						Fib		c-intermediate b			Mvs					Chl		Chlorite Cc Calcite Po Pyrrhotite Hm Hematite St Standard
UTM 16 E					art:		4-Sep-		Diorite					Fis		Felsic-intermed			Mgb	Metagabbr				Qtz	:	Quartz Ank Ankerite Cpy Chalcopyrite Mg Magnetite BI Blank
UTM 16 N					nd:		16-Sep-		I Granodiorit	е				Fig		Felsic-intermed	-		Mgn	Mafic gneis				Ser		Sericite K Potassic Pn Pentlandite Sph Sphalerite Dup Duplicate
UTM 16 E (				Azir			3	34 Grt	Granite					Ims		Intermediate-m			Qfp	Qtz-Feld P		Dike		ĸ		Potassic Msc Muscovite Bn Bornite Gn Galena P Dup Pulp Duplicate
UTM 16 N (					ip:		-	80 Db 8.5 Fv	Diabase					lgn Mv		Intermediate-m	-		AI	Alkalic intr				Bt		Biotite Fe Iron stained STRUCTURE CODE C Dup Coarse Duplicate
Collar E		365			pth:			5.5 FV	Feisi	c metavo	licanic	Codim	mton D			Mafic metav	/olcanic		Peg	Pegmatite	;			Sp Gar		Serpentine ALTERATION INTENSITY D Dike S0 Bedding Met Metallics
Overbu	rden.		U	Dip srv	y mina:	11/a,	, not surveyed	Sar	a Cranhit		•	Sedim	entary Ro		lrop f	armation			Smo							Garnet Wk Weak Ft Fault C Contact Fol Foliation Bx Breccia Epidote Md Moderate Vn Vein J Joint Fr Fracture Gg Gouge
								Sar	g Graphi	ic Argillite	e			ır Sgw		ormation greywacke			Sms					Ep Ab		EpidoteMdModerateVnVeinJJointFrFractureGgGougeAlbiteStrStrongVnltVeinletsVskStockworkVstStringers
				Ł					ALTERATION							MI	NERALIZATION	1				STRU	CTURE	-		SAMPLES
INTER	VAL	DE	CODE	ENSI	Inte	erval	Drtz Drtz	ж Ser	b B B	Eb ga	Ab Cc	Fe	I	nterval	Ру	Po Cpy Pnt	Bo Gd I	-Im Mg	Sph Ga	es	Ir	nterval	¢)	ngle	ents	
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0.00	2.70	Mv	Chl	Str	0.00	2.70	Str						0.00	) 2.70	tr					finely diss	0.00	2.70	Fol	40	ly well develo	elope Pervasively chloritized, mafic volcanic. Dark green, fine to medium grained. Lower contact broken (~50tca). Section
2.70	20.13	Gd	Chl	Wk	2.70	20.13	Wk						2.70	20.13	0						2.70	20.13	Mass	na	assive granoo	nodio Grey-white to white, with local patches of weakly developed light pink to pale red iron(?) staining, granodiorite non fe
20.13	21.83	Mvs	Qtz	Wk/Md	20.13	21.83	Wk Vk/M							3 21.83	_					finely diss	20.13	21.83	Fol	`20	kly developed	ed fo Weak/mod well silicified, pervasively chloritized, mafic volcanic schist. Dark green, fine to medium grained, variably f
21.83	23.54	Mvs/Ft	Qtz	Wk/Md	21.83	23.54	Wk Vk/M							3 23.54	_					finely diss	21.83			~15		
23.54	36.76	Mvs	Fe	Md/Str	23.54	36.76						/ld/Stleveloped		4 36.76	_					finely diss	23.54		Ft/Sh			
	43.35	Fib	Сс	Md/Str	36.76	43.35	Md		+ $+$ $+$		Vd/St			6 43.35	_				+ $+$ $-$	specks	36.76	.0.00				
	57.30	Ims	Chl	Wk	43.35	57.30	Wk				Wk	k chl, cb fr		5 57.30						finely diss	43.35					
	59.07	Gd	Chl Chl	Wk Wk	57.30	59.07	Wk Wk							0 <u>59.07</u> 7 70.19	_					none	57.30 59.07	00.07	Mass	na		
	70.19	Ims Gd	Chl	Wk	59.07 70.19	70.19 71.38	VVK							70.19 9 71.38	_					finely diss	70.19		Fol Mass	35 na		
-	72.67	Ims	Chl	Md	71.38	72.67			Md					8 72.67	_					finely diss	70.19	71.00			June 1	d folia Mod-str pervasive chl alt'n, med -dk green, wk/md biotite as well, fine to medium grained. Lower contact 32 tca. Up
	84.70	Fig	Bi	Md	72.67	84.70	Wk		Md					7 84.70						mineralizatio	72.67	_	_	32-37,		
	92.23	Mvs	Chl	Md	84.70	92.23	Str							0 92.23						finely diss	84.70	92.23				
92.23	96.10	Mgb	Chl	Str	92.23	96.10	Str		Wk					3 96.10						Diss	92.23	96.10	Fol	22-28	8 leveloped fol	foliati Metagabbro unit defined by the presence of large pyroxene augen between 0.3 cm and 0.8 cm in size. The elongat
96.10	98.10	Fig	Bi	Md	96.10	98.10	Wk		Md				96.1	0 98.10	0					sulphides	96.10	98.10	Fol	30		dev'd Mod pervasive chl alt'n, It to med grey-green, fine to medium grained.
98.10	114.17	lgn	Bi	Md	98.10	114.17	Md		Md					0 114.17						finely diss	98.10		_		5 od well dev'd	v'd fo Qtz-feld-amp-bio-chl rich intermediate to mafic volcanic schist. Grey-green in colour, amphiblole is likely honblende.
114.17	117.10	Gd	Chl	Wk	114.17	117.10	Wk							7 117.10						none	114.17	7 117.10				Gd Grey-white to white granodiorite, non foliated, meduim grained. Upper contact 47 tca, lower contact 25 tca.
	120.87	lgn	Bi	Md	117.10	120.87	Md		Md	$\rightarrow$				0 120.87	_				+ $+$ $-$	finely diss	-					I fol'n Qtz-feld-amp-bio-chl rich intermediate to mafic volcanic schist. Grey-green in colour, amphiblole is likely honblende.
	121.52		Unalt						+	$\rightarrow$				37 121.52	_				+ $+$ $-$	diss'd	_	7 121.52	_			'd fol' Dark gree, fn to md grained diabase. Upper contact 24 tca, lower contact 25 tca.
	131.73	Ign	Bi			131.73	Md		Md	+				52 131.73	_				+ $+$ $-$	Py locally	_	2 131.73				I fol'n Qtz-feld-amp-bio-chl rich intermediate to mafic volcanic schist. Grey-green in colour, amphiblole is likely honblende.
	138.87	Gd	Bi Chl			138.87 154.37	Md		Md					73 138.87					+ $+$ $-$	none	_	3 138.87 7 154.37				Peg Pale red to pink, coarse grained, qtz-feld-musc pegmatite. Large kspar crystals up to 3-5 cm, 2% muscovite up to 5
	154.37 157.73	Ga	Bi			154.37 157.73			Md Md					37         154.37           37         157.73	-					none Pv locallv		7 154.37 7 157.73				Gd Grey-white to pink-white granodiorite, non foliated, meduim grained. Upper contact gradational, lower contact ground. I fol'n Qtz-feld-amp-bio-chl rich intermediate to mafic volcanic schist. Grey-green in colour, amphiblole is likely honblende.
	183.35	Gd	Chl			157.73	Md		Md					73 183.35	_					none	_	3 183.35				G Grey-white to white granodiorite, non foliated, meduim grained. Upper contact 42 tca, lower contact 20 tca.
	184.00	lan	Bi		183.35		Md		Md					3 183.30						finely diss		5 184.00				evide Qtz-feld-amp-bio-chl rich intermediate to mafic volcanic schist. Grey-green in colour,but textures appear to have bee
	187.06	Gd	Chl		184.00		Md		Md					0 187.06						none	184.00					e Gd Grey-white to white granodiorite, non foliated, meduim grained. Upper contact 35 tca, lower contact 62 tca.
	188.86	lan	Bi	Md	187.06	188.86	Md		Md					06 188.86					1 1	noted	187.06					
	189.77	Gd	Chl				Md		Md					36 189.77						none	188.86					Gd Grey-white to white granodiorite, non foliated, meduim grained. Upper contact 38 tca, lower contact 62 tca.
189.77	191.74	Ign	Bi	Md		191.74	Md		Md					7 191.74						noted	189.77	7 191.74				
191.74	192.28	Gd	Chl	Wk	191.74	192.28	Md		Md				191.7	4 192.28	8 0					none	191.74	1		1		
192.28	192.69	Ign	Bi	Md		192.69	Md		Md				192.2	192.69	0					noted	192.28				eakly visible	ble fol Qtz-feld-amp-bio-chl rich intermediate to mafic volcanic schist. Grey-green in colour,but textures appear to have bee
192.69	195.18	Gd	Chl	Wk	192.69	· · · · · · · · · · · · · · · · · · ·	Md		Md					69 195.18						none	192.69		_			
	198.50	Ign	Bi	Md	195.18	198.50	Md		Md				195.1	8 198.50	0					noted	195.18	3 198.50	Fol	29-37	7 veakly visible	ble fol Qtz-feld-amp-bio-chl rich intermediate to mafic volcanic schist. Grey-green in colour,but textures appear to have bee
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INTERVAL From To	соре	ALT. CODE	ALT. INTENSI1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Interval         Py         Po         Cpy         Pnt         Bo         Gd         Hm         Mg         Sph         Ga         Support           From         To         % <t< th=""><th>Interval e e e e e e e e e e e e e e e e e e e</th><th>DESCRIPTIVE LOG</th><th>Interval From To</th><th>Sample # Type</th></t<>	Interval e e e e e e e e e e e e e e e e e e e	DESCRIPTIVE LOG	Interval From To	Sample # Type

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	INTERVAL	HOLOGY CODE	T. CODE	INTENSI	ments     Fe     Ba     Ab     Ba     Ab     Ab     Ab	Interval Py Po Cpy Pnt Bo Gd Hm Mg Sph Ga Stars	Interval e e	ments	DESCRIPTIVE LOG	Interv	<i>v</i> al	ple #	ype
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Cu 170

# Finances for Hole 4:

\*\* Assay invoice attached as per Work Report <mark>3440</mark>

#### Without Taxes:

- 1. **Drilling: Hole #4** (2021-Hole#1) on **Claim 220674** 
  - single cell mining claim 1 unit instrument PR-21-00073
  - a. Value: 198.5 x \$105
  - b. Assay: No samples and subsequently no assays have been performed at this time.
  - c. Logging = \$9/m x 198.5 = \$1,786.5

Total value for drilling for this submission:

#### 198.5x105+1786.5=\$22,629

Hole 4 was started on Labour Day 2021. Challenges of getting drillers and drill helpers were high during this period. The hole was completed on Sept 16<sup>th</sup>, 2021. Further details are available in file DCDD\_Swill2021\_01.xlsx .

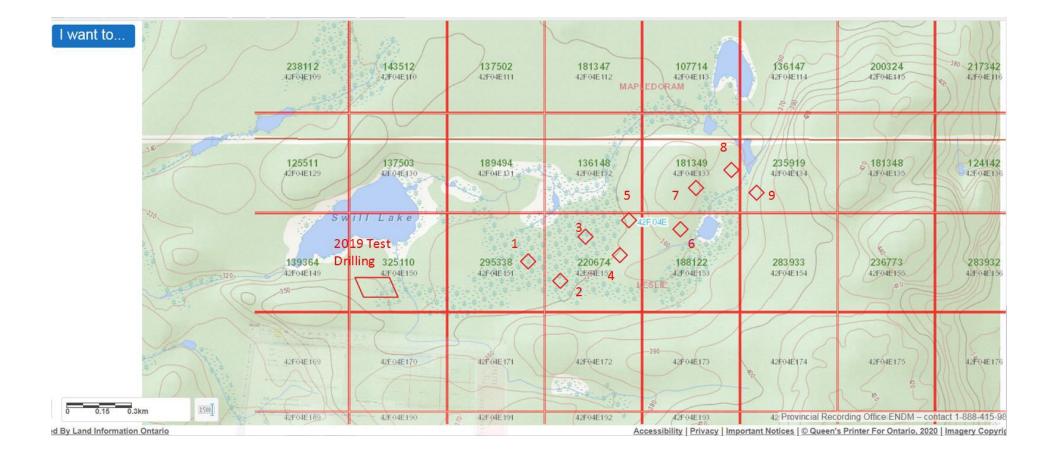
Additionally, there are holes drilled in 2020 (2020 – Swill – Hole 1, 2, 3A and 3B). Holes 1 and 2 were logged and reported but due to the \$50,000 annual cap for claims as well as logging issues (geologist availability). These holes have not been entered at this time. Drilled quantity for these holes is in access of 500m.

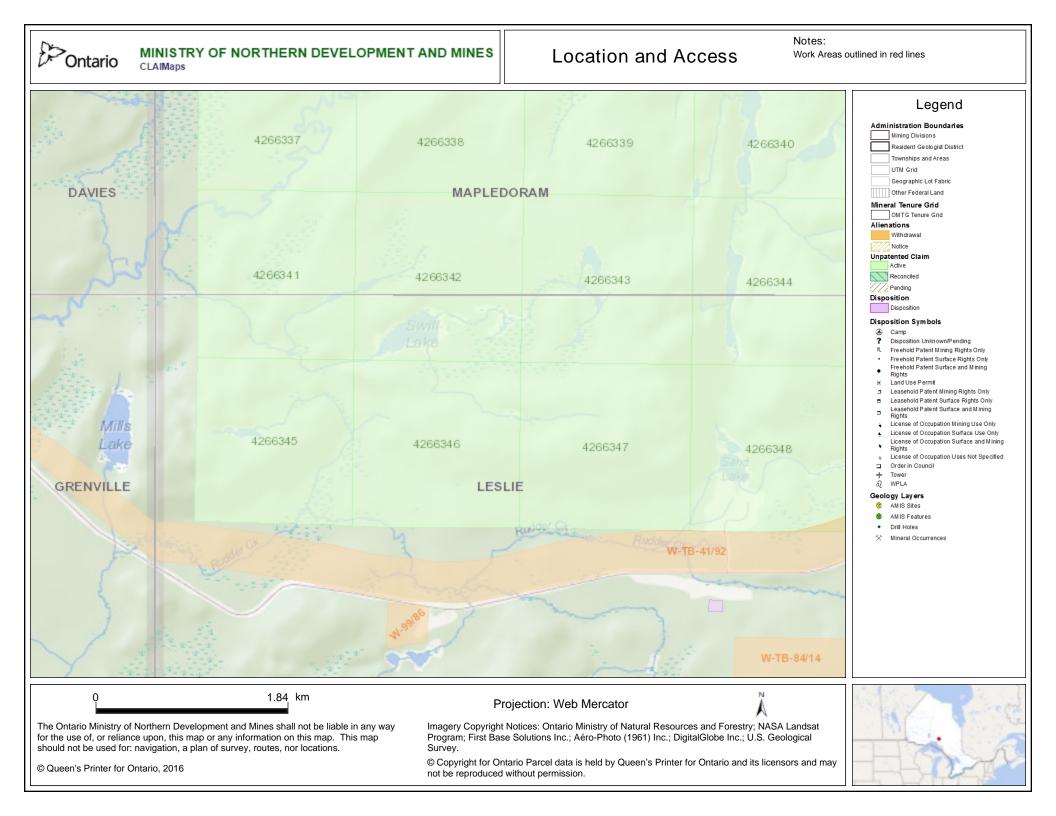
There are 9 holes submitted as a plan for drilling during the 2020/2021 drill season (3 sets of 3 holes including access for claims development). Kourtney Clements is familiar with this plan. The original plan was to have the first three holes (2 complete) and the third partially completed were performed on instrument PR-17-11122. However, getting through a very difficult swamp area as well as COVID19 limitations/stresses offset the planned schedule such that PR-17-11122 reached its end of life. As such, the 3<sup>rd</sup> hole and the remaining 6 holes will be drilled once a new permit is achieved. The plan due to the late season is finish Hole 3 and drill 3 more holes in November/December 2020. The last 3 holes will be drilled depending on weather/COVID19 conditions either in the Winter or March/April/May 2021.

The last 6 holes were delayed even further with covid as well as the high industry demand for qualified drill personnel. The first of the 6 holes is this report. The hole was planned at 4-500m but it was cut short due to other "quick" drilling demands.

Please reference the map below for clarification on the planned drilling. Of note, The access road is complete to Holes 1, 2 3, 4, 5, 6, and 7. The access road to Holes 8 and 9 are planned for this summer once the area dries from the winter melt.

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13936 13936 1700 1700 1700		1 295338 42FOE 51	3 220674 ↓ 220674 ↓ 4.559E154 2 ↓	188122 4.504E133	283,933 42F94E154	236773 42704E155 # <sup>10</sup> # <sup>10</sup> # <sup>10</sup> # <sup>10</sup> # <sup>10</sup>
4.2FoXE10		42F G/E 171	42FQ4E172	-390 43F04E173	42504E174	42F04E175
421-04E1	89 42F04E190	& 42F04E191	42F04E192 #	42F04E193		ording Office ENDM - contact 1-888-415-98
ed By Land Information Ontario			Ac	cessibility Privacy Imp	ortant Notices © Queen's	Printer For Ontario, 2020   Imagery Copyrig





The trail was built with an excavator and dozer. Access is 4-5m with and accessible by pickup truck.

Total kms of road is 2.07kms. Excavator hours = 84 hours (14 days x 6 hour) @ \$120/hour; Dozer Hours (dress and maintenance) = 72 hours (12 days x 6 hours) @ \$100/hour

Total Value: 84 x \$120 + 72 x \$100 = **\$17,280.00** Claims work performed are: Claim 181349 188122 220674

