

31C15NW2002

2.18376

CLARENDON

010

DIAMOND DRILL HOLE RESULTS

MINNISSABIK MINERAL CORP.

Clarendon Property

RECEIVED

APR 1 5 1998

DIAMOND DRILL PROGRAM

A limited diamond drill program was carried out to test several of the known zinc trends on the property along strike to several surface showings. The cores were initially tested for zinc but a number had potential for gold and silver thus these elements were also run using both multi-element ICP and fire assay methods. The results are in table form in the summary report on the work carried out in the fall of 1997 but excerpts are appended below of those samples that carried better than anomalous values.

£	<u>AU</u>		Zr	<u>n</u> _			<u>Pb</u>	
Sample # / D.H.	p.p.b.	Oz/t.		<u>p.p.b.</u>	<u>%</u>	Sample # / D	D.H. <u>p.p.m.</u>	<u> %</u>
A101 / 97-3	36	>.001	A101/97-3	63.4	0.006	A109/97-	4 42	0.004
A106/97-3	19	<001	A106/97-3	67.5	0.007	A112/97~	4 5191	.52 %
A108 / 97-3	19	<001	A109 / 97-4	1750	.18 %	110615/97-	-2 67	0.007
110617 / 97-2	15	<.001	** <u>A112 / 97-4</u> >	<u>-10.000</u>	> 1% **	110651/97-	-2 23	0.002
110618 / 97-2	16	<001	110601 / 97-4	110	.001			
110627 / 97-2	18	<001	110608 / 97-2	160	0.016			
110629 / 97-2	18	<001	110609 / 97-2	81.3	0.008			
110630 / 97-5	20	<001	110615 / 97-2	129	0.013			
110635 / 97-5	27	.001	110630 / 97-5	305	0.03			
110636 / 97-5	17	<001	110631 / 97-5	428	0.041			
			110632 / 97-5	186	0.02			
			110633 / 97-5	145	<0.02			
			110634 / 97-5	248	<03			
			110644 / 97-5	101	<01			
			110645 / 97-5	150	0.015		RECEI	VED
			110632A /97-5	189 0.	019		AUG 10	1998

1885 Leslie Street Don Mills, Ont. Canada M3B 3J4 Telephone (416) 445-5755 Fax (416) 445-4152

UPPER CONCENTRATION LIMITS HAVE BEEN EXCEEDED

Some of the results in this report are outside the applicable analytical range. Please refer to the table below or the current Schedule of Fees and Services for our recommended upper concentration limits. Results greater than the upper concentration limit are reported for the convenience of our clients but are of poor precision and/or subject to interferences.

Please contact us for additional technical information or for an accurate determination by an appropriate technique.

Method Code	Instrument	Element	Upper Limit	Comments
ICP-70	ICP/AA	Ag	10ppm	See note below
ICP-70 ICP-80	ICP	32 elements	5,000 ppm	As, Sb, Bi, W, La may be affected for samples with >10% Cu, Zn or >25% Fe.
XRF-7	XRF	25 elements	4,000 ppm	Matrix dependent. Not suitable for concentrates or highly mineralized samples.
CHM-20	Cold Vapour	Hg	100 ppm	
ААН-З	AA-Hydride	Sb,As,Bi	200 ppm	·
ES-4	DCP-Fusion	Be, B, Ge, V	2,000 ppm	
GFAA-10	GFAA	Cd,Se,Te	200 ppm	
CHM-13 CHM-10	Specific Ion	CI F	5000ppm 1%	
ICPMS-10	ICPMS	In	4,000 ppm	

Note:

Method code ICP-70 utilizes a nitric aqua regia digestion. Silver may precipitate from solution as a chloride and may be underestimated. A fire assay determination for silver is recommended.

RECEIVED

SSS Member of the SGS Group (Société Générale de Surveillance)

AUG 1 0 1998

1

Work Or	der:	019389		Date:	26/01/98
Element.		Au	Zn	Pb	
Method.		FA30/1	ICP70	ICP70	
Det.Lim.		1	0.5	2	
Units.		ppb	ppm	ppm	
110604		4.0		_	
110634		10	248	2	
110635		27	47.0	<2	
110636		17	25.2	<2	
110637		6	37.0	<2	
110638		10	30.9	<2	
110639		4	30.4	<2	
110640		3	25.3	<2	
110641		7	35.3	3	
110642		8	52.9	<2	
110643		4	72.8	3	
110644		4	101	<2	
110645		3	150	<2	
110646		4	44.9	<2	
110647		4	62.7	3	
110648		5	63.0	4	
110040		3	05.0	•	
110649	1	<1	72.3	<2	
110650		5	65.4	7	
110651		2	81.6	23	
110652		2	89.7	<2	
110653		3	24.3	17	
110654	(N/S)	L.N.R.	L.N.R.	L.N.R.	
110655	(N/S)	L.N.R.	L.N.R.	L.N.R.	
110656	• •	1	29.1	<2	
110657		3	6.4	<2	
110625 A		2	4.9	3	
110632 A		3	189	3	
C181		8	72.7	7	
*Dup A101		36	60.7	30	
*Dup 110601		. 5	106	28	
*Dup 110613		3	30.0	<2	
2 ap 110015		J	50.0	72	
*Dup 110625		11	9.7	< t	DECEIVED
*Dup 110637		7	43.5	‡	RECEIVED
*Dup 110649		<1	72.4	< !	
				1	AUG 1 0 1998



XRAL Laboratories A Division of SGS Canada Inc.

Worl	k Order:	019389)	Date:	26/01/98
Element. Method. Det.Lim. Units.		Au FA30/1 1 ppb	Zn ICP70 0.5 ppm	Pb ICP70 2 ppm	
A101 A102 A103 A104		33 11 4 16	63.4 16.3 40.5 21.1	29 23 <2 25	
A105 A106 A107 A108 A109 A110		19 6 19 3	54.0 67.5 40.5 55.4 1750	12 3 2 <2 42	
A111 A112 110601 110602 110603	(N/S)	L.N.R. 2 6 8 3	L.N.R. > 10000 110 48.0 15.3	L.N.R. 5190 30 4 <2	
110604 110605 110606 110607 110608		4 4 1 1 3	12.3 9.1 85.7 23.6 160	2 <2 3 2 19	
110609 110610 110611 110612 110613		6 3 4 8 4	81.3 70.0 5.0 21.6 32.0	<2 4 <2 3 <2	
110614 110615 110616 110617 110618		5 8 4 15 16	31.8 129 15.7 50.2 26.8	7 67 <2 6 7	
110619 110620 110621 110622 110623		6 7 8 5 4	59.0 74.8 24.4 18.1 48.8	4 5 <2 3 <2	RECEIVED AUG 1 0 1998
110624 110625 110626 110627 110628		13 12 11 18 6	8.3 8.9 78.9 60.5 61.6	<2 <2 4 <2 <2	GEOSCIENCE ASSESSMENT OFFICE
110629 110630 110631 110632 110633		18 20 14 19 12	90.4 305 428 186 145	5 4 <2 4 4	

CLARENDON PROJECT PROSPECTOR 88 DIAMOND DRILLHOLE LOCATIONS

West Claim Block

DDH HOLE	GridEast	GridNorth	DDHAzimuth	Dip	Pepat
CL97-01	12+16E	8+06N	180	43	51,9 m
CL97-02	12+85E	7+70N	180	43	61.25-
CL97-03	13+32E	7+41N	180	45	72.35-
CL97-04	13+38E	N8 0 +8	180	45	60.0 m
North of Swar	mp River				
CL97-05	0+90W	13+65N	180	45	51,25m
					302.75~

- Core Stoved at #15 - 668 Millway Ave.

CONCOLD, ONT.

L4K 3V2

<u>Drill-Hole No.</u>	Depth (metres)	Started Finished	Comments
D.H. 97-1	57.9 m.	Dec.1/97. Dec.3/97.	
D.H. 97-2	61.25 m.	Dec.3/97. Dec.5/97.	RECEIVED
D.H. 97-3	72.35 m.	Dec.5/97. Dec.8/97.	AUG 1 0 1998
D.H. 97-4	60.0 m.	Dec.8/97. Dec.10/97.	
D.H. 97-5	<u>51.25 m.</u>	Dec.11/97.Dec. 15/97	GEOSCIENCE ASSESSMENT OFFICE
Total	392.75 m	•	

Jen

DIAMOND DRILL PROGRAM - 1997 DRILL HOLE ANALYSIS MINNISSABIK MINERAL CORP.

Work Orde	r:	019389]	Date:	26/01/98
Element. Method. Det.Lim. Units.		Au FA30/1 1 ppb	Zn ICP70 0.5 ppm	Pb ICP70 2 ppm	
A101 A102 A103 A104 A105		33 11 4 16 10	63.4 16.3 40.5 21.1 54.0	29 23 <2 25 12	
A10G A107 A108 A109 A110	(N/S)	19 6 19 3 L.N.R.	67.5 40.5 55.4 1750 L.N.R.	3 2 <2 42 L.N.R.	
A111 A112 110601 110602 110603	(N/S)	L.N.R. 2 6 8 3	L.N.R. >10000 I10 48.0 15.3	L.N.R. 5190 30 4 <2	•
110604 110605 110606 110607 110608		4 4 1 1 3	12.3 9.1 85.7 23.6 160	2 <2 3 2 19	
110609 110610 110611 110612 110613		6 3 4 8 4	81.3 70.0 5.0 21.6 32.0	<2 4 <2 3 <2	
110614 110615 110616 110617 110618		5 8 4 15	129 15.7 50.2	7 67 <2 6 7	
110619 110620 110621 110622 110623		6 7 8	74.8 24.4 18.1	3	
110624 110625 110626 110627 110628		1: 1: 1: 1:	2 8 .9 1 7 8.9	<2 4 <2	
110629 110630 110631 110632 110633		1		5 4 5 <2 5 4	

DIAMOND DRILL PROGRAM - 1997. DRILL HOLE ANALYSIS MINNISSABIK MINERAL CORP.

Work Ord	er:	019389	Date:		
Element. Method. Det.Lim. Units.		Au FA30/1 1 ppb	Zn ICP70 0.5 ppm	Pb ICP70 2 ppm	
110634 110635 -110636 110637 110638		10 27 17 6	248 47.0 25.2 37.0 30.9	2 <2 <2 <2 <2	
110639		4	30.4	<2	
110640		3	25.3	<2	
110641		7	35.3	3	
110642		8	52.9	<2	
110643		4	72.8	3	
110644		4	101	<2	
110645		3	150	<2	
110646		4	44.9	<2	
110647		4	62.7	3	
110648		5	63.0	4	
110649		<1	72.3	<2	
110650		5	65.4	7	
110651		2	81.6	23	
110652		2	89.7	<2	
110653		3	24.3	17	
110654 110655 110656 110657 110625 A	(N/S) (N/S)	L.N.R. L.N.R. 1 3 2	L.N.R. L.N.R. 29.1 6.4 4.9	L.N.R. L.N.R. <2 <2 <2 3	
110632 A		3	189	3	
C181		8	72.7	7	
*Dup A101		36	60.7	30	
*Dup 110601		5	106	28	
*Dup 110613		3	30.0	<2	
*Dup 110625		11	9.7	<2	
*Dup 110637		7	43.5	2	
*Dup 110649		<1	72.4	<2	

RECEIVED

26/01/98

AUG 1 0 1998

1998-MAR-06 14:28 MIN	S		ONTARIO		INES	Pag MELA	e: 1 NSON_M
Client: 102807 - ARCHI	BALD FREDER	ICK THO	MAS		Tota	l Claims	: 4
TOWNSHIP: CAVENDISH		•					
Claim Recording Number Date	Due Date	Claim Status	Percent /Option	Work Required	Work Applied	Total Reserve	Claim Bank
SO 1163443 1997-NOV-03	1999-NOV-03	3 A	100.00	800	O	0	0
Township: CLARENDON							
Claim Recording Number Date	Due Date	Claim Status	Percent /Option	Work Required		Total Reserve	Claim Bank
SO 1191457 1994-AUG-09 SO 1191458 1994-AUG-09 SO 1191459 1995-APR-11	1999-AUG-09) A	100.00 100.00 100.00		•	0 0 0	0 0 0

*** End of Report ***

1,

Diamond Drillhole #97-1

1C15NW2002 2.18376

CLARENDON

020

Minnissabik Minerals Corporation

Clarendon Township Property

Claim # 1191457 Coords.: 12+16 E 8+06 N

Aziumuth- 180 degrees

Dip- -45 degrees

Drilled by- Vatcher Diamond Drilling Ltd

Core Size- AXT

Date Started- Dec.1/97.

Date Finished: Dec3/97.

Logged by- J.C. Archibald, B.Sc.Geologist

0-2.2 m- Casing; No core recovered

2.2-5.7- Dolomitic Marble Metasediment-

fine grained, crenulated bands biotite, hematite rich seams, buff colour; grey-white to buff colored; coarsely equigranular, weakly foliated; siliceous in places, fractures/seams filled with calcite/some sericitized; odd diss. py/po esp. on lower contacts (usually irregular, sharp, @ 30 to core axis); hem./reddish in places

5.70-7.50 - Pelitic Paragneiss- amphibolitic gabbro to mafic rich(intrusive?) dark green to black, fine grained with biotite,plag.; minerals lineated with odd fracture carb. filled; som qtz. veins @ 5.6-5.7m.,6.7-6.95 m.,7.5-7.8 m.; metagabbroic intrusive sills,sharp cold contacts with marbles but some gradational; ghost rimming of carb. around mafic minerals in massive matrix

Sample: from 5.7 - 6.0 m.

7.5 - 9.5 m.- <u>Dolomitic Marble</u>: siliceous, coarse grained, poorly minerlized with sericite schist in matrix; carb. fracture filling

9.5 - 10.41 m - dike or lense of <u>Pelitic gneiss</u>; amphibolite rich with disseminated py/po in darker mafic mineral

10.41 - 17.0 m - Dolomitic Marble ; sharp contact @ 80 t.c.a.

a. (The State State)

AUG 1 0 1998

GEOSCIENCE ASSESSMENT OFFICE

7cm

- siliceous, grey, odd lense/band @ 80 to c.a., slight min. lineation @ 70-90 to c.a.; crystalline with odd ser. schist; incr. hem. after 14 m.with lin. @ 70 to c.a.
- 17.0-20.4m-increased sericite/biotite schist(mafic pel. gneisses) @ 80 to c.a., sheared fragmental /tuffaceous-poorly mineralized; odd diss. po/py
 - Sample from 19.35-20.4 m.- banded mafic b.schist+ carb. @ 80-85 to c.a. then grades to vuggy carb.
- 20.4 36.4 m.- Calc. Marble Metasediments: with increased hematite banding, sericite schist(white mica) fragmental to agglomeratic look, c.g.crystalline 24-26.5 m. then grades to broken/fractured c.g. marbles w. ser. infilling between frags./brecc. look
 - Sample 30-31 m.; then to homogeneous, alt. fragmental 34-36.4 m.; band/dike of mafics(Imp. dke) from 32-32.2m.
 - Sample from 34.4-35.0- vuggy, carb.rich, reddish crystalline seds.
- 36.4-38.25 m.- <u>Pel. Paragneiss</u>-amphiboltic, massive to c.g., poorly mineralized biotite rich, lineated at 85-90 to c.a.

 Sample from 36.0-36.5 m
- 38.25-41.2 m.- <u>Calc. Marble Metaseds</u>.: buff grey to white, finely lin.(biot. schist), incr. gneissic after 40m. @ 80-85 to c.a.
- 41.2-43.1 m. <u>Pelitic Gneiss</u>; amphibolitic;dark green/grey, massive to brecciated with carb. fr. filling at upper contact then grades to med. grained pel. gn.with lenticulr lath crystals
- 43.1-45.0 m. sharp contact with clean, white crystalline dolomitic marbles
- 45.0-45.8 m dike/lense of pelitic paragneiss; contact at 60-75 to c.a.
- 45.8-50.85 m.- dolomitic marble; coarse grained, crystalline, white(slight fizz); some darker lin. min. at 60-80 to c.a.; buff grey; some fine specs. zn. from 49-50 m.(sampled)
- 50.85-51.75 m.- Peletic gneiss; pyroxenite rich(dike?) massive, dark brown; contact @ 45 to c.a.
- 51.75- 53.45 m. white <u>calcareous marble</u> with min. lineated at 80-90 to c.a.

AUG 1 0 1998

GEOSCIENCE ASSESSMENT OFFICE

7c-

53.45 - 54.10- dark, fine grained mafic lense(<u>paragneiss</u>) with contacts gradational; contacts at 75 to c.a. then to 1/2 m. marble (clean white crystalline)

Calc. Marble from 54.1-54.55 then back to dark amphib. paragneiss 54.55-56.6 m. - dark fine grained, massive to clotty amphib./pyroxenitic gabbro; min. lin. at 80 to c.a.; Pelitic gneiss/ amphib. rich

56.6 - 57.9 m.- in <u>calcareous marble</u>; grey to buff colored, vuggy,sericitic in clots; poorly min., reddish tinge with Zinc zap; sampled from 56.6-57.5 m.(0.9 m.)

57.9 m: End of Hole

	Samp	ole Anal	<u>vsis</u>	97-	1
Sample Number	From - To	Element. Method. Det.Lim. Units.	Au FA30/1 1 ppb	Zn ICP70 0.5 ppm	Pb ICP70 2 ppm
110650 110651 110652 110653	5.5-6.0 m. 9.5-10.41 m. 11.35-20.4 m. 30.0-31.0 m	(.9/m) (1.0/m)	5 2 2 3	65.4 81.6 89.7 24.3	7 · 23 <2 17
110654 110655 110656 110657	34.4-35.0 (.6- 35.0-35.5 (.5m 49.1-50.0 (.9m 56.6-57.5 (.		L.N.R. L.N.R. 1	L.N.R. L.N.R. 29.1 6.4	L.N.R. L.N.R. <2 <2





FACING EAST

North

South

97-1

AZ. - 180°

LEGEND

- ı. Dolomitic Marble
- 2 Calcitic Marble
- 3. Pelitic Paragneiss
- 3a. Amphibolite- meta-gabbro (intrusive)

RECEIVED

AUG 10 1998

GEOSCIENCE ASSESSMENT OFFICE

DRILLHOLE SECTION

LOCATION: 12+16E 8+86N.

DRILL-HOLE 97-1 MINNISSABIK Min.Corp.

O 10 20

Jean





Minnisabik Minerals Corporation

Prospector 88 Diamond DrillHole 97-02

Property: Clarendon West Block

Claim No: Claim 1191457

Grid Co-ordinates: L12+85E, 7+70N

Azimuth: 180 degrees Dip: -43 degrees

Date Started/Completed: Dec. 3 - Dec. 5, 1997.

Logged by: J.A. Richard, BES - Geologist

Total Depth: 64.25m

0-3.8m

CASING

3.8-4.9m

AMPHIBOLITE (Metagabbro - mafic intrusive)

blackish, f.grained, weakly foliated @ 30d to C.A., amphib.rich and lesser plagio, trace magn., trace to 1% finely dissem.sulphides, lower shear contact @ 50d to C.A.

4.9-10.55m

MARBLE (Calcitic carbonate metasediments)

ochre-reddish to pinkish (hematized) to 6.5m, grading to grey-white, coarsely equigranular, weak to mod foliated @ 75d to C.A., calcite-dominant, minor muscovite, 1% dissem, sulphides (pyrite) as stratabound euhedra and blebs below 7.62m

@ 4.9-7.62m; very vuggy with very coarse calcite xstals in open cavity vugs

@ 4.7-4.88; shear brecciated, fault gouge clay with marble fragments, upper shear contact @ 60d, lower contact @ 90d to C.A.

@ 6.1 & 6.68m; 5cm of fault gouge clay breccia @ 90d to C.A.

@ 7.32-7.47m; sheared at 85-90d to C.A., yellowish limonitic gouge clay

10.55-14.09m

AMPHIBOLITE (Metagabbro - masic intrusive)

d.greenish-blackish, f.grained, weakly foliated, amphib.rich and lesser biotite & plagio, trace magn., trace only dissem sulphides, cut by numerous calcitic veinlets to 1cm thickness @ 60d to C.A., cold conformable contacts

14.09-25.80m

MARBLE (Calc-silicate carbonate metasediments)

as above, ochre-reddish to pinkish (hematized) to 6.5m, grading to grey-white, coarsely equigranular, mod. foliated @ 60d to C.A., calcite-dominant, lesser muscovite, vuggy & crystalline, some harder dolomitic and siliceous zones, very broken core, trace only sulphides

GEOSCIENCE ASSESSMENT

25.80-30.86m AMPHIBOLITE (Metagabbro - masic intrusive)

d.greenish black, weakly foliated, c.grained, equigranular amphib-plagio-magn-biotite, some fine qtz-calcite veinlets, 1-3% dissem.py

@ upper contact; shear brecciated for first 20cm at 90d to C.A.

@26.7m; 2cm qtz-calcite veinet at 65d to C.A.

@26.88m; 1cm qtz-calcite veinet with 3-5% py blebs and dissem. along vein contact, some py into wallrock, some 0.5cm veinlets

@lower contact; mod.sheared at 88-90d to C.A., qtz veined

30.86-31.48m MARBLE (Calc-silicate carbonate metasediments)

pinkish-white to ochre-reddish, med.grained, mod.foliated @ 60d to C.A., vuggy, calcite-silicified locally, bearing tremolite, Kspar altered, microfractured matrix, no visible sulphides, some convoluted qtz-calcite veinlets, some 3-5cm calcite xstals in vugs

@27.12-27.15m; qtz-calcite filled shear

31.48-35.0m AMPHIBOLITE (Metadiabase or gabbro)

d.greenish black, weakly foliated, f.grained, amphib.dominant, some magn-rich bands, trace sulphides overall, sheared lower contact @ 85d to C.A.

35.0-60.15m MARBLE (Calc-silicate carbonate metasediments)

pinkish-white to other-reddish where hematized, med.grained, mod.foliated @ 60d to C.A., vuggy, calcite-silicified locally, bearing tremolite, Kspar altered, micaceous, some scapolite along veinlets contacts, no visible sulphides, some convoluted qtz-calcite veinlets, some 3-5cm calcite xstals in vugs, some greyish coarsely crystalline bandings, some minor bandings of d.greenish, f-med.grained horneblende-biotite-plagio schist cut by qtz-calcite veinlets (metadiabase or gabbro), 1-2% magn, all bands at 60d to C.A.

@ 36.8, 37.7 & 38.7m; calcite crystallized vugs

@40.12-40.34, 41.21-41.74, 41.88-43.0m; metagabbro bandings, mod.schistose

@42.75-43.0m; 1-3% py in tightly shear-foliated matrix, very hematized

@51.0m and below; unit is dolomitic marble, very vuggy and hematized to ochre-red with some atz-calcite veinlets

@50.73-51.25, 51.48-51.62 and 55.36-56.0m; amphibolite bands

@51.72 and 55.4-55.55m; strongly shear foliated at 55d to C.A., 1-3% dissem.py, qtz veined and brecciated, and oxidized

EOH 61.25m

RECEIVED

AUG 1 0 1998

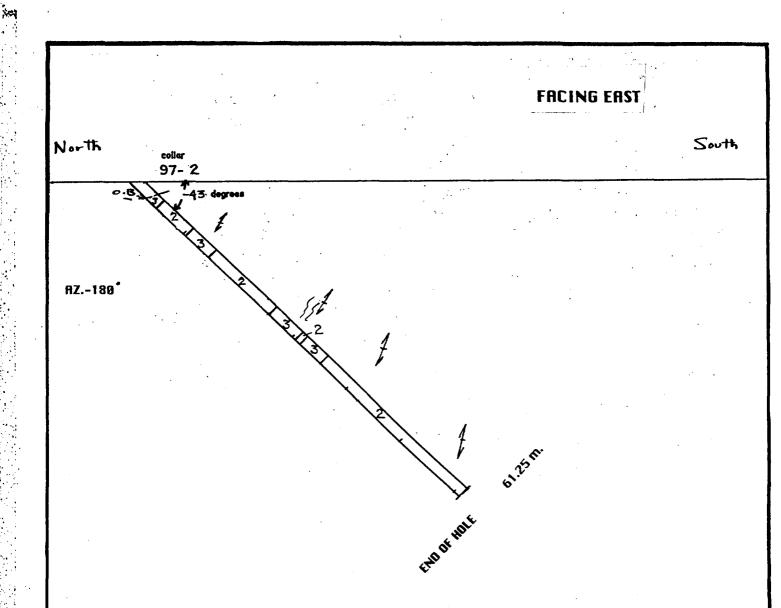
GEOSCIENCE ASSESSMENT OFFICE

Da

CL97 DDH 97-02 SUMMARY OF CORE SAMPLES

From(m)	To(m)	Sample No.	Element Method. Det.Lim. Units.	Au FA30/1 1 ppb	Zn ICP70 0.5 ppm	Pb ICP70 2 ppm
3.8	4.36	110601		6	110	30
4.36	5 .0	110602		8	48.0	4
5.0	6.0	110603		3	15.3	<2
6.0	6.95	110604	•	4	12.3	2
6.95	7.82	110605		4	9.1	<2
7.82	8.74	110606		1	85.7	3
8.82	9.67	110607		1	23.6 160	2 19
9.67	10.6	110608		3		
12.62	13.31	110609		6	81.3	<2
13.31	14.09	110610		3	70.0	4
14.09	15.0	110611		4	5.0	<2 3
18.74	19.74	110612		8 4	21.6 32.0	<2
21.52	23.0	110613		•	34.0	~~
23.54	24.42	110614		5	31.8	7
24.42	25.2	110615		8	129	67
25.20	25.80	110616		4	15.7	<2
25.8	26.58	110617		15 16	50.2 26.8	6 7
26.58	27.12	110618		10	20.8	′
27.12	27.93	110619		6	5 9.0	4
30.0	30.87	110620		7	74.8	5
30.87	31.76	110621		8	24.4	<2
33.49	34.0	110622		5	18.1	3
34.0	35.0	110623		4	48.8	<2
35.0	36.0	110624		13	8.3	<2
37.5	38.0	110625		12	8.9	<2
41.83	43.05	110626		11	78.9	4
43.05	43.92	110627		18	60.5	<2
55.07	56.0	110628		6	61.6	<2
59.18	60.15	110629		18	90.4	5
38.5	38.7	110625 A		2	4.9	3

·2a.



LEGEND

-) Dolomitic Marble
- 2 Calcitic Marble
- 3 Pelitic Paragneiss
- 🖎 Amphibolite- meta-gabbro (intrusive)

DRILLHOLE SECTION

DRILL-HOLE 97-2
MINNISSABIK RECEPTED

AUG 1 0 1993

GEOSCIENCE (SEESSHENIT)

O 10 20 10 1993

meters

LOCATION; 12+85E 7+78N.

Jan

2.18376

CLARENDON

040

Diamond Drillhole # 97-3

Minnissabik Minerals Corporation

Clarendon Township Property

Claim # 1191457

Coords.: 13 + 32 E 7+41 N

Aziumuth- 180 degrees

Dip- -45 degrees

Drilled by- Vatcher Diamond Drilling Ltd

Core Size- AXT

Date Started- Decs 27.

Date Finished- Dec 97.

Logged by- J.C. Archibald, B.Sc.Geologist

0-2.60m- Casing

2.60-7.0- Calcitic Marble Metasediment-

grey-buff banded, slight banding in sections @ 60 degrees to core axis and flattening to 40 degrees after 6.0 meter depth (possible fold axis) fine grained, generally less than 1/4% disseminated pyrite-pyrrhotite, odd tourmaline-hematite rich fracture

2.95-3.15- mottled with up to 1% disseminated pyrite-pyrite, brecciated

7.0-7.5- <u>Calcitic Marble Metasediment- highly mineralized</u>
up to 40% sulphides (pyrite-pyrrhotite), net textured, banded @
25 degrees to core axis

7.5-8.5- Calcitic Marble Metasediment-

buff-grey banded (crenulated bands), fine grained

8.5-10.20- Amphibolite Paragneiss-(amphibolitic)-

dark grey-black colour, fine grained, massive, contacts @ 50 degrees to core axis and brecciated

9.25-10.20- up to 5% pyrite-pyrrhotite in localized sections

10.20-14.80- Calcitic Marble Metasediment-

10.20-12.90- crenulated bands with brecciated fragment

AUG 10 1998
3735
GEOSCIENCE ASSESSMENT
OFFICE

-gen

Jai.

- 12.90-14.80 banded @ 40 degrees to core axis slightly crenulated, 30 to 40 percent mafic content, up to 1/2% disseminated pyrite in localized sections.
- 14.80-20.55 Amphibolite Paragneiss (amphibolitic)-

dark grey-black colour, fine-medium grained, massive to banded at contacts, marble(carbonate rich) porphyroblasts up to 2 cm. diameter, up to 1/2% disseminated-bleb pyrrhotite with minor pyrite in sections

- 14.80-15.90- moderately banded (calcitic) @ 40 degrees to core axis, with up to 10-15% calcite content
- 20.25-20.90- up to 1/2% disseminated-bleb pyrrhotite-pyrite content 20.55-**3**9.23-<u>Dolomitic Marble Metasediment-</u>

fine grained, crenulated bands @ 20 to 80 degrees to core axis, grey-buff colour, felsic content increasing with depth, some tremolite rich seams, odd pyrite rich seam along contact areas, contacts @ 60 degrees to core axis

- 20.55-27.60- highly crenulated with biotite rich sections
- 27.60-- more uniform bands, finer grained, decrease in biotite content, up to 1/4% pyrite-pyrrhotite in localized sections
- 30.28-30.65- mafic rich (amphibolite-biotite) with contacts @ 80 degrees to core axis
- 29.23-32.10 Amphibolite Paragneiss (Amphibolitic)-

banded @ 60 degrees to core axis and crenulated along contact areas, fine-medium grained, grey-black colour, fine grained, some tremolite along contacts, biotite rich seams-sections

32.10-34.05- Dolomitic Marble Metasediments-

banded @ 70 to 80 degrees to core axis (steepening with depth), grey-white colour, fine grained

- 32.10-33.15- siliceous rich, grey-white colour, up to 1% fine disseminated seam pyrite
- 33.15-34.05- calcite rich

34.05-37.07- <u>Amphibolite Paragneiss-(amphibolitic)</u>black-dark grey colour, -10% felsic content, slightly banded in sections

37.07-43.75-Dolomitic Marble Metasediment-

43.75-44.75- Amphibolite Paragneiss-(amphibolitic-biotitic)-

44.75-49.60- <u>Dolomitic Marble Metasediment</u>medium to coarse grained, massive, buff colour 44.75-45.20- calcite rich bands, low pyrite content

49.60-51.30- Amphibolite Paragneiss - (amphibolitic)-

black colour, fine grained, slight banding @ 80 degrees in locallized sections, some locallized sections with carbonate rich porphyroblasts (to 3 cm. diameter)

51.30-64.30- Dolomitic Marble Metasediment-

buff colour, medium to coarse grained, massive, slight banding @ 30-50 degrees to core axis

51.30-54.20- hematite-carbonate rich seams

56.0-57.8- hematite rich seams

58.80-59.10- Pelitic Gneiss Dyke- @ 50 degrees to core axis

60.30-61.50- hematite rich seams

61.50-63.30- increase in banding @ 70 degrees to core axis

63.30-64.30- increase in alteration andf biotite content 63.80-64.30- up to 5% disseminated pyrite content

64.30-67.40- Dolomitic Marble Metasediment-

buff colour, medium-coarse grained, some vugaceous seams, massive

67.40-68.0- Amphibolite Paragneiss-

black colour, biotite rich, contacts @70 degrees to core axis

68.0-72.35- Dolomitic Marble Metasediment-

brecciated sections with some gnissic rich seams @ 70 degrees to core axis

69.0-72.35 - hematite rich seams and vugs

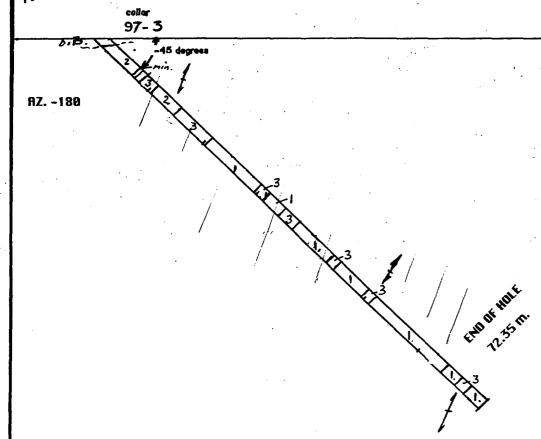
END OF HOLE - 72.35 m.

SAMPLE NO	D. INTERVAL (metres)	Au FA30/1 1	Zn ICP70 0.5	Pb ICP70 2	
		ppb	ppm	b bm	
A101	7.0-7.5 (0.5 m)	33	63.4	2 9	
A102	9.25-10.2 (0.95m)	11	16.3	23	
A103	20.25 - 20.9 (.65 m)	. 4	40.5	<2	i
A104	32.10-33.15 (1.05m)	16	21.1	25	
A105	"63.8 -64.3 (0.5m)	10	54.0	12	
A106	69.0- 69.46 (.46m)		67.5	3	!
A107	68.1 - 69.9 (.8m)	6	40.5	2	;
A108	71.8-72.35 (.55m)	19	55.4	<2	



N. th

South



LEGEND

- I. Dolomitic Marble
- 2. Calcitic Marble
- 3. Pelitic Paragneiss
- 3a- Amphibolite- meta-gabbro (intrusive)

DRILLHOLE SECTION

DRILL- HOLE 97-3
MINNISSABIK Min.Corp.

LOCATION: 13+32E 7+41N. CLAIM 1191457

O IO 20

)a



Diamond Drillhole # 97-4

Minnissabik Minerals Corporation

Clarendon Township Property

Claim # 1191457 Coords. 13+38E 8+08 N.

Aziumuth- 180 degrees

Dip- -45 degrees

Drilled by-Vatcher Diamond Drilling Ltd

Core Size- AXT

Date Started- Dec 97.

Date Finished- Dec. 97.

Logged by - J.C. Archibald, B.Sc.Geologist

0-0.50m - Casing; No core recovered

0.50-39.80- Calcitic Marble Metasediment-

fine-medium grained, grey-buff coloured bands, some crenulated sections

grey-buff colour, banded @ 40 to 85 degrees to core axis (steepening @ depth)

crenulated with some brecciated seams in localized sections, low pyrite content (localized and increasing with depth)

some tremolite-biotite-calcite rich seams

8.0-8.9- biotite rich seams , slight increase in pyrite content

8.90-39.80- increase in mafic content with depth (ave. up to 15% amphibole-biotite

- 11.70-39.80- crenulated-brecciated bands, slight increase in silica content
- 12.60-12.67- pyrite rich seams @ 70 degrees to core axis
- 30.60-31.50- garitiferous-tremolitic seams
- 31.90-32.0- Amphibolite Gniess Vein with brecciated contacts, contacts @ 70 degrees to core axis
- 36.20-39.80-garnetiferous seams generally surrounding dolomitic marble inclusions / segregations, odd pyrite rich

Jear

Xa

seam

39.80-46.20- <u>Dolomitic with Calcitic LayeredMarble Metasediment</u>fine grained buff-grey colour, some calcitic marble seams, banded @
60 - 70 degrees to core axis, some calc-silicate layers (ie- 37.40)

46.20-48.20- Amphibolite Dyke-

medium grained, dark grey-black colour,

48.20-52.60- Dolomitic Marble Metasediment-

fine grained, buff colour, some banding @ 40 to 60 degrees to core axis,

51.30-52.60- hematite rich seams, odd speck pyrite

52.60-60.0 - Calcitic Marble Metasediment-

fine to medium grained, grey-buff (mottled), slight banding in sections @10 to 45 degrees to core axis (flattening at depth)

60.0- End of Hole

Sample Analysis

Sample Number	<u>er From -</u>	<u>To</u>	Element. Method. Det.Lim. Units.	Au FA30/1 1 ppb	Zn ICP70 0.5 ppm	Pb ICP70 2 ppm
A109	12.55-13.00	(45m) >	3	1750	42
A110	21.0 - 21.5	((N/S)	L.N.R.	L.N.R.	L.N.R.
AIII	235 - 24.5 36.0 - 37.1	(1.	-/*(N/S)	L.N.R.	L.N.R.	L.N.R.
A112	36.0 - 37.2	(1.	آ ہے (۱۹۵	2	>10000	5190



South

North

coller
97-4

A5 degrees

RZ. -188

A3.

REFERENCE OF THE PROPERTY OF TH

LEGEND

-). Dolomitic Marble
- 2. Calcitic Marble
- 3. Pelitic Paragnelss
- 3a Amphibolite- meta-gabbro (intrusive)

DRILLHOLE SECTION

DRILL-HOLE 97-4
MINNISSABIK Min.Corp.

LOCATION: 13+38 E. 8+88N.

O 10 20 meters

Jen

060

Minnisablk Minerals Corporation

Prospector 88 - Diamond DrillHole 97-05

Property: Clarendon West Block

Claim No:

Claim 1191458 Grid Co-ordinates: L0+90W, 13+65N

Azimuth: 180 degrees

Dip: 45 degrees Date Started/Completed: Dec. 11 -> Dec. 15 /97.

Logged by: J.A. Richard, BES - Geologist

Total Depth: 51.25m

0-1.34m

CASING

3.8-17.25m

MARBLE (Calc-silicate carbonate metasediments)

buff to grey, coarsely equigranular, weak to modifoliated to 60d to C.A., calcite dominant with lesser dolomite, lozenze-shaped cherty lenses with tremolite partings, honey-coloured phlogopite and muscovite rich partings, trace magn., trace sulphides with 1-3% matrix po, minor bandings up to 30cm of coarsely equicrystalline grey marble,

metacarbonate conglomerate facies

17.25-26.1m

MARBLE (Calcitic carbonate metasediments)

transition from above into whitish-grey, transluscent, mod-well foliated, coarsely equicrystalline, calcite dominant with lesser muscovite, phlogopite, foliation to 60d to C.A., trace sulphides

@24.1-24.25m; metaconglomerate as in above unit @24.88-25.45m; honey-coloured phlogopite rich zone

26.1-49.95m

MARBLE (Calc-silicate carbonate metasediments)

buff-white to l.greenish, mod.foliated at 55d to C.A., calcite-qtz/chert-tremolite-diopside assemblage, as above cale-silicate marble unit, sucrosic whitish quartzite lenses, wisps of phlogopite throughout, tremolite along silicate contacts, tremolite/diopside along qtzcalcite veinlets to 5%, some dolomitic bandings, 1-3% po-py along foliated bands

@26.15-26.25, 26.32-26.37 and 26.52-26.71m; qtz-calcite veinlets

@41m and below; largely dolomitic marble, coarsely crystalline and micaceous with 5cm thick phlogopite bands,

49.95-51.25m

AMPHIBOLITE (Metagabbro - mafic intrusive?)

d. greenish blackish, coarsely equicrystalline, hard, weak to mod.apparent foliation to 50d to C.A., plagio-homeblende/amphib-biotite-magnetite-calcite, po-py blebs and dissems to 1% overall, locally up to 3%

EOH 51.25m

Minnisabik Minerals Corporation - Clarendon Project

AUG 1 0 1998

GEOSCIENCE ASSESSMENT
OFFICE

7cm

CL97 DDH 97-05 SUMMARY OF CORE SAMPLES

From(m)	To(m)	Sample No.	Element. Method. Det.Lim. Units.	Au FA30/1 1 ppb	Zn ICP70 0.5 ppm	Pb ICP70 2 ppm
3.34	4.29	110630		20	305	4
9.17	9.87	110631		14	428	<2
9.87	11.0	110632		19	186	4
13.85	14.65	110633		12	145	4
16.67	17.32	110634		••		· · ·-
24.8	25.52	110635		10	248	2
26.13	27.0	110636		27	47.0	<2
27.0	27.77	110637		17 6	25.2 27.0	<2
27.77	28.76	110638		10	37.0 30.9	<2
32.38	33.0	110639				<2
		110640		4	30.4	<2
36.82	37.82			3	25.3	<2
37.82	39.0	110641		7 8	35.3	3
39.0	39.96	110642		4	5 2.9 72.8	<2 3
39.96	40.96	110643		4	12.0	2
43.48	44.21	110644		4	101	<2
45.27	45.65	110645		3	150	<2
47.47	48.16	110646		4	44.9	<2
48.87	49.75	110647		4	62.7	3
49.75	50.68	110648		5	63.0	4
50.68	51.25	110649		<1	72.3	<2
		11063.		3	189	3

R

FRCING ERST

LEGEND

- I. Dolomitic Marble
- 2. Calcitic Marble
- 3. Pelitic Paragneiss
- 3a.- Amphibolite- meta-gabbro (in

DRILLHOLE SECTION

DRILL-HOLE 97-5
MINNISSABIK Min.Corp.

LOCATION: 8+98 W. 13+65 N. CLAIMING 458

0 10 20



Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)

W9890, 00011

Assessment Files Research Imaging



31C15NW2002

2.18376

CLARENDON

900

of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the review the assessment work and correspond with the mining land holder. Recorder, Ministry of Northern Development and Mines, 6th Floor,

Instructions: - For work performed - Please type or print	_	
Recorded holder(s) (Attach a li		2.18376
Nama		Client Number
FRED. T. A.	R CHIBALD	102807
FRED. T. A. Address 40 #15-16 6 Corvers Name >==	668 Millway Ave	Telephone Number (905) 660 - 050/ Fax Number (905) 660 - 7143
TONCORD	ONT. LYK 3V2	(905) 660-7143
Name)		Client Number
Address		Telephone Number
		Fax Number
2. Type of work performed: Chec Geotechnical: prospecting, surve assays and work under section	eys, Physical: drilling	the following groups for this declaration. ng, stripping,
		Office Use
Work Type Diamond Drilling	ng	Commodity
		Total \$ Value of Work Claimed 17, 976
Dates Work Performed From Dec 4 /2 9 Day Month Year	7 To Dec/5 12 97	NTS Reference
Global Positioning System Data (if available)	Township/Area CLARENDON TWP.	Mining Division Southern Ontan
	M or G-Plan Number $\mathcal{M} - 44$	Mining Division Southern Ontari Resident Geologist District Weed.
Please remember to: - obtain a work - provide proper - complete and - provide a map - include two co	permit from the Ministry of Natura r notice to surface rights holders b attach a Statement of Costs, form showing contiguous mining lands opies of your technical report.	efore starting work;
2 Pareon or companies who pren	ared the technical report (Attac	APR 1 5 1998 APR 1 5 1998 APR 1 5 1998 APR 1 5 1998
Name John ARCHIBALD/	Sovic Son Sampen 100. 11/Way Ave. 06t. 24K 3V2	Telephone Number 660 - 050
Address	INC.	Fax Number
415-16 668 M	1/1 way Are.	(905) 660-7143
Name CONCORD	ONT. 24K 3V2	Telephone Number
Address SOUTHERN ONTARIO MINING DIVI		Fax Number
Name	4:10	Telephone Number
APR 9 - 1998		Fax Number
AM 7 ₁ 8 ₁ 9 ₁ 10 ₁ 11 ₁ 12 ₁ 12 ₁ 3 ₁ 4 ₁ 5 ₁	PM	
4. Certification by Recorded Holde		
J.c. ARCHIBA	do hereby certify the	nat I have personal knowledge of the facts set
forth in this Declaration of Assessmen or after its completion and, to the bes	it work having oddsod the work to	nat I have personal knowledge of the facts set o be performed or witnessed the same during
De ande	or or my knowledge, the annexed to	
Signature of Recorded Holder or Agent		Date

L4K 3V2

Telephone Number

Agent's Address

•	the m	ining land where work sccompany this form.	was performed A	neadme	was performed. A		90.0001	•
	Mining	Claim Number, Or if	Number of Claim Units. For other	Yelee of work	Value of work	Value of work	Bank, Value of work	
	mining 1	ing, show in this the location number	mining land, list	claim or other	explicate to this stain.	mining changes	de parting and	
•		on the claim map.			2.	100	60	
	•6	TB-7827	16 hs	\$28, 825	N/A	\$24.000	82,825	
	-99	1234567	12	0	\$\$4,000	•	0	
	49	1234568	2	\$ 8, 892	\$ 4,000	D	\$4,892	
	1	1191457		14,933	0	2,000	12,933	
	2	1191458	8	3.043 50	0	0	3.043 20	
	3	1191459	1	0	2,000	0	0	
	•		·		362			
	5	·				·		
	6							
	7							
	•	·					•	
	10							
	11	-						
.	12							
1	13					i		
	14							
	15					1		
•	السل		Column Totals	17,976	2,000	2,000	15,976	
		John Ann	er and	200	7:0	Des above work credits	7 CA	
	Some o	2. Credits ar	in this declaration of credits; to be cut back to b	on may be cut back from the Bank fir x starting with the c coually over all c	sk. Please check (st. followed by opt claims listed last, t laims listed in this	tion 2 or 3 or 4 as in working backwards; declaration; or ndix or as follows (ndicated. or	
APR	14 '9	8 16:19				905660 	7143 PAGE.02	
Note: If you h	ave no	ot indicated how ption number 2 if	your credits f necessary.	are to be del	eted, credits v	vill be cut back	from the Bank first,	·
For Office Us	e Onl	у) Ibac-sal	Approved Date		Date Notification Sent	
Received Stamp		RECE	VED	Deemed	White pare			
		APR 15	W 1	Date Apr	proved		Total Value of Credit App	roved
		GEOSCIENCE AS	SSESSMENT	Approve	d for Recording by	Mining Recorder (S	 Signature)	
		OFFIÇ	F]			•	



Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)
W9890, DOOLI

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

		2	. <u>183</u>	8 U
Work Type	Units of Wo Depending on the type of wor of hours/days worked, metres metres of grid line, number o	ork k, list the number of drilling, kilo-	Cost Per Unit of work	Total Cost
DIAMOND DRILLING	12 hr. Days -	303 matres		17,976
(MECHANICAL)	NN. 25 - Du. 12			
A,	15/A.	×950 ft. 1	15/FL	14250
			RECE	IVED
			APR 2	1.501
ssociated Costs (e.g. supplies,	mobilization and dem	obilization).	GEOSCIENCE A OFFI	
Mo	belization 1day	(veh, ile)	1,000	2,000
20	us beligition "	/-	1000	
,				
Transp	ortation Costs	iFe	750	750
Food a	nd Lodging Costs	-)		
	nd Lodging Costs (Axtr. R + hourd	pd. by	976-12da	976
		a oga		
		Total Value of A	ssessment Work	17.976
alculations of Filing Discounts	;			
Work filed within two years of If work is filed after two years Value of Assessment Work. If	performance is claimed and up to five years after	er performance, it	can only be claime	ed at 50% of the Tota
TOTAL VALUE OF ASSESSME	• •	,		alue of worked claime
ote:	And the second s			
Nork older than 5 years is not e A recorded holder may be requir	ed to verify expenditure	s claimed in this rification and/or c	statement of costs	within 45 days of a

Certification verifying costs:

1, Join C. Archiballo, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Again (recolded holder, agent, or state company position with signing authority). I am authorized to make this certification.

Signature Date Epril 3, 1898.

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

August 12, 1998

Dear Sir or Madam:

FREDERICK THOMAS ARCHIBALD 668 MILLWAY AVE. **UNITS #15** CONCORD, ONTARIO L4K-3V2

Intario

Geoscience Assessment Office 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (888) 415-9846 (705) 670-5881

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Submission Number: 2.18376

Status

Subject: Transaction Number(s): W9890.00011 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at gatesb2@epo.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely.

ORIGINAL SIGNED BY

Blair Kite

Supervisor, Geoscience Assessment Office

Mining Lands Section

Work Report Assessment Results

Submission Number:

2.18376

Date Correspondence Sent: August 12, 1998

Assessor: Bruce Gates

Transaction Number

First Claim

Number

Township(s) / Area(s)

Status

Approval Date

W9890.00011

1191457

CLARENDON

Approval After Notice

August 10, 1998

Section:

16 Drilling PDRILL

The revisions outlined in the Notice dated June 26, 1998, have been corrected. Accordingly, assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission.

Correspondence to:

Resident Geologist

Tweed, ON

Recorded Holder(s) and/or Agent(s):

John C. Archibald

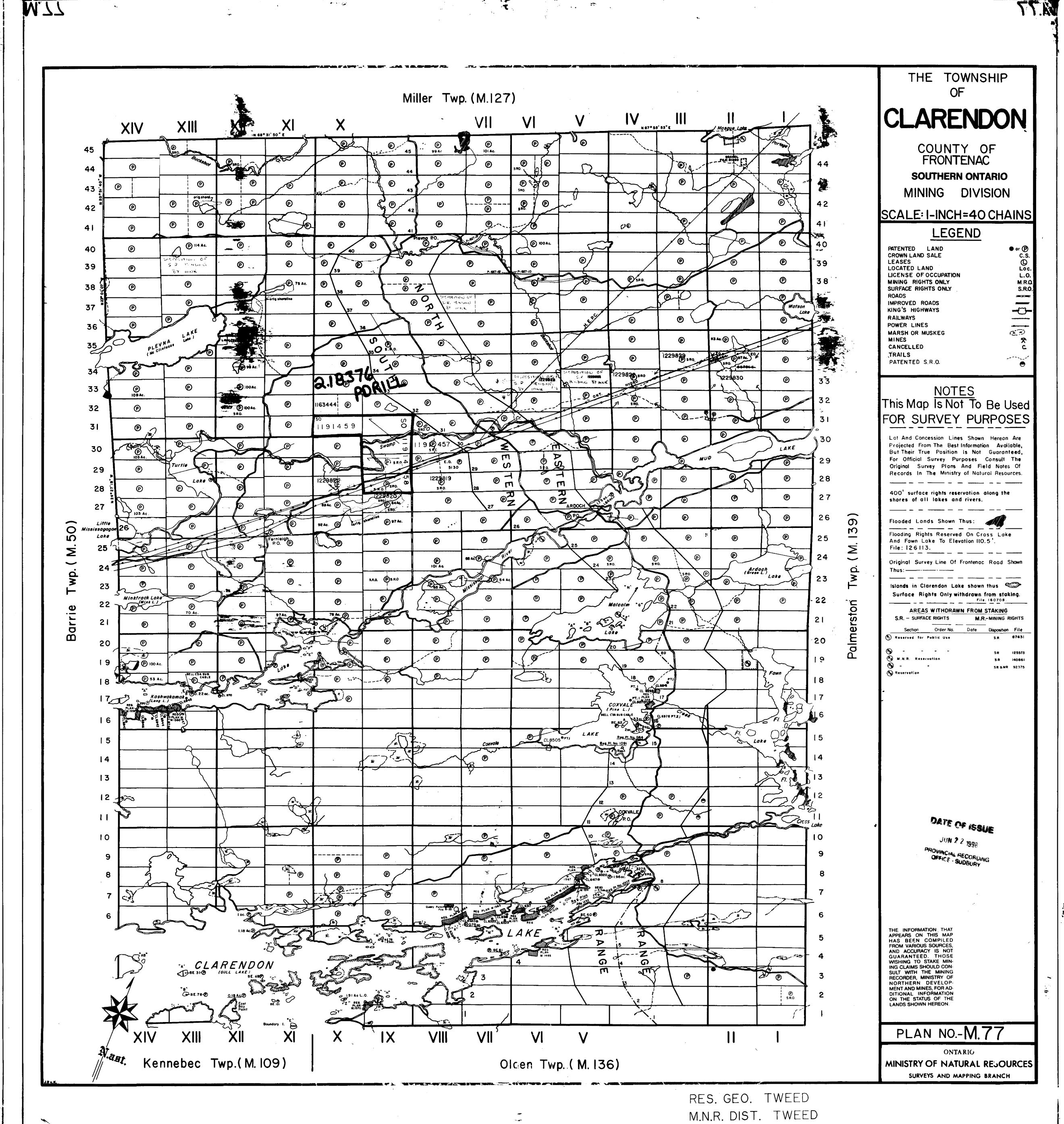
CONCORD, ONTARIO, CANADA

Assessment Files Library

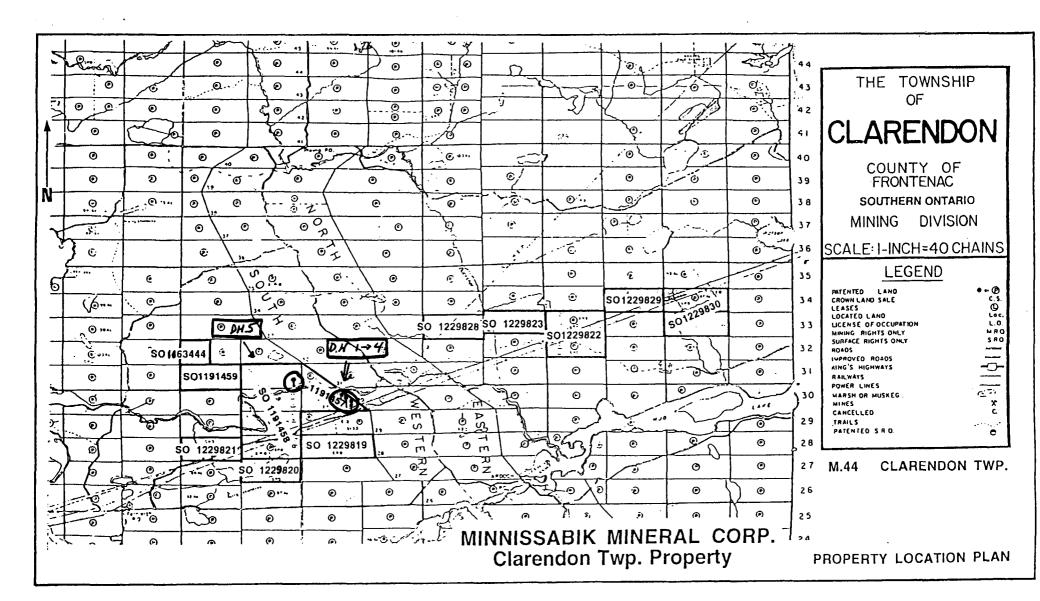
Sudbury, ON

FREDERICK THOMAS ARCHIBALD

CONCORD, ONTARIO



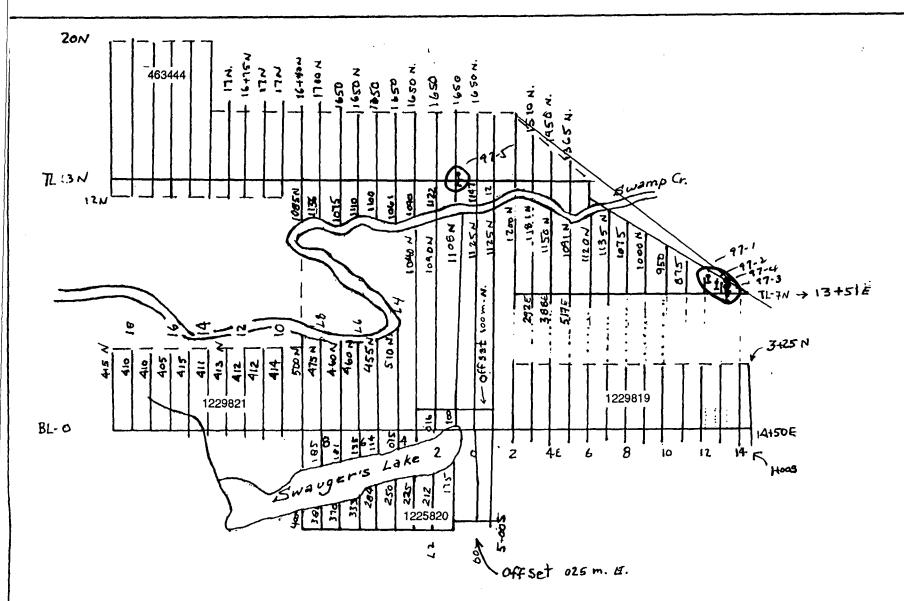
M.77





31C15NW2002 2.18376

CLARENDON



MINNISSABIK MINERAL CORP. Clarendon Twp. Property



Nov. 03/97. B.L. 60 065°

