



010

DIAMOND DRILLING

Area: Dogpaw Lake

Report No: 54

WORK PERFORMED FOR: Nuinsco Resources Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]
; OTHER []

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
K 590266	N-Mich-1	129'	June/86	(1)
	N-Mich-2	174'	June/86	(1)
	N-Mich-3	120'	July/86	(1)
	N-Mich-4	120'	July/86	(1)

11241

543'

NOTES: (1) #16-87(filed in July/87)

ORE STOCKPILE (1902)

N-MICH-4
-45°

N-MICH-3
-45°

N-MICH-2
-55°

N-MICH-1
-45°

Collapsed Tunnel

Pit

Trench

Dump

2+00 N
Outcrop
Massive
Basalt

K590266

K590851

Claim Line

#2 Shaft

FLINT LAKE
MINE SITE

0.02
10.0'

75

1+00 N

Trench

30+00 E

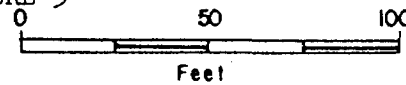
31+00 E

32+00 E

135° BASE LINE (1984)

Nuinsco Resources Ltd.
FLINT LAKE MINES
(MICHAM OPTION)
DRILL HOLE LOCATION PLAN

FIGURE 3



DRILL LOG

Property: MICHAM (FLINT LAKE MINE)

NUINSCO RESOURCES LTD.

DDH: N-MICH-1

Co Ordinates: L31+65E, 1+73N

Claim : K590266

Date Hole Commenced

: June 13, 1986.

Inclination : 45°

Core Size : BQ

Date Completed

: June 20, 1986.

Azimuth : 215°

Total Depth: 129'

Logged By

: AD Hunter

Douglas

ACID TEST: Depth Inclination

100'

43°

Drill Log Summary

Comments: Altered shear zones with brecciated quartz-carbonate veins and chloritic bands and seams. Only trace py and 55.0'-88.0'. No values.

rite. Main shears 24.6'-34.9',

Depth	Rock Type	Grain Size Colour	Secondary Structure	Texture & Structure	Alteration	Mineralization	Comments
0-6.5	Casing.						
6.5- 24.6	Mafic flow.	Fine grain. Medium yellow green.	Foliated. Increased intensity down hole. c.a. foliation=45°.	Locally amygdaloidal.	Pervasively carbonate, trace sericite.	Nil.	Pervasive alteration gives the core a very pale colouration relative to unaltered mafic volcanic.
24.6- 34.9	Altered shear zone in mafic volcanic.	Aphanitic Banded grey, yellow, white.	Intense shearing brecciation of quartz-carbonate veins.	No preservation of primary features.	Pervasive carbonate- sericite.	Trace-0.5%, platey chalcop- pyrite along schistosity surfaces.	Absent 20-30% broken & contorted quartz- carbon- ate veins & stringers.
34.9- 40.0	Mafic flow (?).	Fine grain. Pale grey to green.	Well foliated. c.a. 50°.	Indeterminant.	Pervasive carbonate.	Nil.	About 10% quartz- carbon- ate stringers.
40.0- 41.0	Mafic flow.	Fine grain.	Shearing intense from 40.3'-41.0'.	Amygdaloidal 40'-40.3'.	Carbonate.	About 0.5% pyrite.	
41.0- 55.0	Mafic flow.	Fine grain.	Well foliated local shearing. c.a. 53°.	Texture largely oblit- erated by deformation a few amygdaloidal zones over 1-2" noted.	Moderate alter- ation overall. Bleached carbon- ate-rich sections, minor sericite.	Nil pyrite.	About 10% quartz-carbon- ate veins to 4-5", some brecciated thin stringers parallel to foliation.
55.0- 88.0	Altered zone in mafic volcanic.	Aphanitic pale yellow to grey.	Shear Zone. c.a. 50° (average).	Very local presevation of amygdules.	Pervasive carbon- ate-sericite with very minor chlor- ite. About 50% quartz carbonate veins parallel to sericite bands. Talc sections conspicuous.	Trace to 0.5% very fine grain. Disseminated pyrite also pyrite concent- rated in nodules quartz carbon- ate veins.	Distinctly sericitic appears to carry more pyrite than exposures in trenches above. This section represents the Flint Lake Mines shear zone explored by two shafts & trenches.
88.0- 99.6	Mafic volcanic.	Aphanitic pale green to grey.	Well foliated to sheared. Banded, ser-chl-shist. c.a. 50-55°.	Indeterminate.	Minor sericite, carbonate.	Nil.	

Depth	Rock Type	Grain Size Colour	Secondary Structure	Texture & Structure	Alteration	Mineralization	Comments
99.6- 110.3	Altered mafic volcanic.	Aphanitic pale yellow green to yellow.	Sheared. c.a. 55°. Brecciated towards bottom contact.	Indeterminate.	Pervasive strong carbonate-sericite alteration. About 10% chlorite. Talcy, conspicuous talc locally.	Trace pyrite.	Resembles section from 55-88' except for lack of sulphide mineralization.
110.3- 129.0	Mafic volcanic.	Aphanitic pale green to grey- green.	Foliated.	Massive flow (?).	Minor carbonate & sericite decrease in content down- hole.	Nil.	Probably mafic flow, on surface massive & pillowed units outcrop in this area.

END OF HOLE. . . . 129'.

ASSAY ANALISTS

SAMPLE #	FROM	TO	LENGTH	Au Oz/T
23801	22.0	24.5	2.5	TR
23802	24.5	26.5	2.0	TR
23803	26.5	31.0	4.5	TR
23804	31.0	34.9	3.9	TR
23805	34.9	40.0	5.1	TR
23806	40.0	41.0	1.0	TR
23807	55.0	59.5	4.5	TR
23808	59.5	64.2	4.7	TR
23809	64.2	70.0	5.8	TR
23810	70.0	75.0	5.0	TR
23811	75.0	80.0	5.0	TR
23812	80.0	85.0	5.0	TR
23813	85.0	88.0	3.0	TR
23814	99.6	104.9	5.2	TR
23815	104.8	110.3	5.5	TR

DRILL LOG

Property: MICHAM (FLINT LAKE MINE)

NUINSCO RESOURCES LTD.

DDH: N-MICH-2

Co Ordinates:

Claim : K590266

Date Hole Commenced : June 23, 1986.

Inclination : -55°

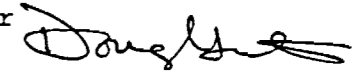
Core Size : BQ

Date Completed : June 28, 1986.

Azimuth : 215°

Total Depth: 174'

Logged By : AD Hunter



Depth	Rock Type	Grain Size Colour	Secondary Structure	Texture & Structure	Alteration	Mineralization	Comments
0-4	Casing.						
4- 29.5	Mafic flow.	Fine grain. Medium grey, green.	Weak foliation to distinct near contact with amygdaloidal zone below.	Massive.	Weak carbonate.	Trace disseminated pyrite.	Massive flow rock exposed in this area.
29.5- 36.3	Altered mafic flow.	Very fine grained.	Strong foliation. c.a. 40-45°.	Amygdaloidal, probably pillowed- defined by the green to tan band- ing.	About 50% of the section is per- vasively altered to carbonate & sericite.	Very fine grained pyrite concentrated in a few bands- inte flow sediment?	r-
36.3- 58.8	Altered mafic flow.	Fine grain. Tan, grey.	Weak foliation except for the well foliated to sheared section from about 53-58.8'. Highly sheared from 57-58.8'.	Amygdaloidal, generally massive appearance.			
58.8- 63.5	Altered- sheared zone with	Grey to white.	Highly deformed, contorted schist with 60-70% QCV's.		Sericite & chlorite bands throughout a brecciated QCV's.	Very fine grained pyrite in sericite talc & chlorite band predominantly.	s
63.5- 103.0	Mixed flow(?) Fragmental.	Medium grey-green.	Well foliated throughout, sheared from 101-103'. c.a. 55°.	Largely indeterminant due to deformation, appears to be distinct- ly fragmental locally, especially from 96'-98'.	Pervasive carbon- ate.	Trace pyrite.	Locally sheared zones with QCV's & chlorite- sericite bands from 86-87.5' & from 92.3'- 93.6'.
103.0- 128.2	Shear Zone Flint Lake Mines Structure.		Sericite, chlorite schist bands & QCV through the entire section. Schistosity is 45-55° to c.a.		Sericite & chlorite & locally talcy.	Trace pyrite, up to 0.5% over 1-2 foot sections.	Veins are similar to material on 'ore stockpile' near tunnel entrance. No V.G. noted. Low sulphide content is

Comments

Depth	Rock Type	Grain Size Colour	Secondary Structure	Texture & Structure	Alteration	Mineralization	Comments
128.2- 174.0'	Mafic flow.	Aphanitic Medium grey green to pale yellow.	Well foliated to schistose. c.a. 45-55°.	Locally amygdaloidal suggestions of pillow selvedges from 145- 147'.	Variable weak to strong carbonatiz- ation & sericitiz- ation.	Trace pyrite.	Altered & sheared well beyond the Main Zone of quartz carbon- ate veining.
END OF HOLE. . . . 174'.							

ASSAY ANALISTS

SAMPLE #	FROM	TO	LENGTH	Au Oz/T
23816	58.8	60.3	1.5	TR
23817	60.3	63.5	3.2	TR
23818	86.0	87.5	1.5	.01
23819	92.3	93.6	1.3	.01
23820	103.0	105.0	2.0	.014
23821	105.0	107.2	2.2	TR
23822	107.2	109.5	2.3	TR
23823	109.5	111.5	2.0	TR
23824	111.5	114.0	2.5	TR
23825	114.0	116.5	2.5	TR
23826	116.5	120.0	3.5	TR
23827	120.0	122.4	2.4	TR
23828	122.4	125.5	3.1	TR
23829	125.5	128.2	2.7	TR
23830	151.7	155.1	3.4	TR
23831	155.1	159.5	4.4	TR

DRILL LOG

Property: MICHAM (FLINT LAKE MINE)

NUINSCO RESOURCES LTD.

DDH: N-MICH-3

Coordinates:

Claim :

Date Hole Commenced: July 03, 1986.

Inclination : -45°

Core Size: BQ

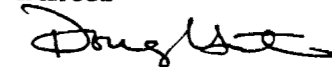
Date Completed : July 07, 1986.

Azimuth : 45°

Total Depth: 120'

Logged By ; AD Hunter

Acid test 100' = 44°



Depth	Rock Type	Grain Size Colour	Secondary Structure	Texture & Structure	Alteration	Mineralization	Comments
0-6	Casing.						
6-19	Altered Mafic metavolcanic.	Aphanitic Green- tan.	Strong foliation @ 51° to c.a. (shear zone).	Green to tan coloured massive matrix with chloritic "blebs" which may be amygdules or lithic fragments.	Pervasive weak carb. alt'n & oxidation (rust) along fractures.	Nil.	
19- 25.8	Quartz & carb+chl. vein.	Very fine grained to medium. White, tan to dark green.	Locally shistose. (shear zone).	Composed of irregular quartz & carb pods, often containing chlorite transected by numerous chloritic shears.	Carbonatization & local oxidation rust.	Trace sde.	Somewhat similar in appearance to those veins observed in dump sample #23558.
25.8- 54.2	Mafic Flow.	Aphanitic to medium grain. Medium to dark green.	Massive to strongly foliated becoming more strongly foliated near lower contact.	Mafic flow (?) with little or no internal structure (ie. amygs. etc.).	Carb in groundmass & local tan "flecking" (rutile?).	Nil.	Shearing beginning at approximately 50'.
54.2- 59.0	Mafic Flow.	Aphanitic Medium green.	Strongly foliated @ 58° to c.a.	As above but higher carb content. Quartz carb+chl. vein at 56.2'.	Weak carb. alter- ation throughout.	Nil.	Sample #23559.
59.0- 74.5	Mafic Flow.			As from 25.8'-54.2'.			
74.5- 80.0	Mafic Flow Qtz+carb+ chl. vein.	Aphanitic to medium grain.	Strong foliation in groundmass.	Mafic flow as observed above transected by numerous quartz-chl. veins.	Locally pervasive carb alt'n, local oxidation (rust).		Sample #23560.
80.0- 88.0	Mafic Flow.	Fine to med. grained. Green.	Strong foliation.	Mafic flow as observed above.	Carb. in groundmass.	Nil.	

Depth	Rock Type	Grain Size Colour	Secondary Structure	Texture & Structure	Alteration	Mineralization	Comments
88.0- 93.0	Mafic metavolcanic. +quartz,carb. chlorite veins.	Fine to med. grained. Medium to dark green.	Strong foliation. c.a. 55°.	Mafic flow as observed above, however transect- ed by numerous veins.	Groundmass weakly altered (carbonate oxidation(rust) along fractures.	Nil.	Sample #23561.
93.0- 120	Mafic Flow.	Fine to med. grained. Medium grey- green.	Generally weakly fol- iated & massive towards bottom of hole.	Massive, very locally amygdaloidal.	Minor bleaching disseminated rhombic carbonate. Vein selvedge alteration & pyrite mineralization over 1-3cm sections. Bull quartz from 95.2'-96.2'.	Trace pyrite.	
END OF HOLE. . . . 120'.							

ASSAY ANALISTS

SAMPLE #	FROM	TO	LENGTH	Au Oz/T
23558	19.0	25.8	6.8	TR
23559	54.2	59.0	4.8	TR
23560	74.5	80.0	5.5	TR
23561	88.0	93.0	5.0	TR

DRILL LOG

Property: MICHAM (FLINT LAKE MINE)

NUINSCO RESOURCES LTD.

DDH: N-MICH-4

Co Ordinates:

Claim :

Date Hole Commenced: July 09. 1986

Inclination : -45°

Core Size : BQ

Date Completed : July 11, 1986

Azimuth :

Total Depth: 120'

Logged By : AD Hunter

Acid test 100' = 44°



Depth	Rock Type	Grain Size Colour	Secondary Structure	Texture & Structure	Alteration	Mineralization	Comments
0-18	Casing.						
18.0- 64.0	Mafic Flow.	Fine grain. Medium grey- green.	Massive, very local weak foliation.	Massive.	10-15% disseminated Nil. fine grained (sub-mm) carbonate rhombs.		Similar alteration in other holes both sides of the shear zone.
64.0- 100	Mafic Flow.	Fine grain. Pale green to grey.	Well foliated to sheared c.a 60- 65°.	Interminate due to deformation.	Minor carbonate & 'flecking' type alteration-rutile replacing magnetite ?	Trace cubic pyrite About 1% pyrite over 2-6" in association with mild sericite alteration & qtz. carbonate stringer & veinlets. eg. 70.3-72'.	Very low sericite content, largely chlorite This hole is directly below the Flint Lake Mines tunnel, where a high grade vein was mined in 1902. Sheared zones 70.3-72', 82.3'-83.5', 84.5-86.4', 90.7-92.3'.
100- 106.2	Quartz- carbonate veins. Minor chlorite schist.			Brecciated with a least two generations of veins; early grey quartz-carbonate veins cut by milky bull quartz-carbonate veins.		Trace pyrite over- all; conspicuous in chlorite-sericite bands.	Tourmaline (?) black threads & seams at 105-105.8' in bull quartz.
106.2- 110.5	Mafic Flow.	Fine grain. Medium grey green.	Well foliated. c.a. 60°.			Trace pyrite, chal pyrite on sericite slips.	co- c
110.5- 120	Mafic Flow.			Massive, weakly amygdaloidal.	Disseminated rhombic carbonate as from 18-64'.		

END OF HOLE. . . . 120'.

ASSAY ANALISTS

SAMPLE #	FROM	TO	LENGTH	Au Oz/T
23562	70.3	72.0	1.7	Tr.
23563	82.3	83.5	1.2	Tr.
23564	84.5	86.4	1.9	Tr.
23565	90.7	92.3	1.6	Tr.
23566	100.0	103.5	3.5	.010
23567	103.5	106.2	2.7	Tr.



Ministry of
Northern Affairs
Mines

Report
of Work



52F055W0045 54 DOGPAW LAKE

data on a separate form for each
to be recorded (see table below).
If work use form no. 1362 "Report
ical, Geophysical, Geochemical and

5210 P3102

900

#16-87

Name and Postal Address of Recorded Holder
MICHAM EXPLORATION INC
 40 DAVID R. BELL GEOLOGICAL SERVICES INC
 P.O. BOX 637, ST. CATHARINES, ONT L2R 6W8

Inspector's Licence No.
T-1185

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 543	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	K.	590813	28	K	590822	28	K	590830	28			
		590814	28		590823	28		590833	28			
		590816	28		590824	28		590834	28			
		590817	28		590825	28		590835	11			
		590818	28		590826	28						
		590819	28		590827	28						
		590820	28		590828	28						
	590821	28		590831	28							

All the work was performed on Mining Claim(s): **K 590266**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

DRILLING PERFORMED BY ULTRAMOBILE DIAMOND DRILLING, Surrey B.C.

DDH #	Dates	Footage
1	June 13-20/86	129'
2	June 23-28/86	174'
3	July 03-7/86	120'
4	July 9-11/86	120'
		<u>543'</u>

KENORA MINING DIV.
RECEIVED
 FEB 2 1987
 AM 9:00 7 8 9 10 11 12 1 2 3 4 5 6 PM
 POSTMARKED JAN 30/87

Date of Report Jan 30, 1987	Recorded Holder or Agent (Signature) R. O. Bell
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Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
RAMON BELL 40 D.R. BELL GEOLOGICAL SERVICES INC, P.O. Box 637, ST. CATHARINES, ONT. L2R 6W8

Date Certified
Jan. 30, 1987

Certified by (Signature)
R. O. Bell

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment. 590813	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	Nil	Nil
Land Survey	Name and address of Ontario land surveyor.		

