



42A075W0043 24 LANGMUIR

010

### Diamond Drilling

Township of LANGMUIR

Report NO: 24

Work performed by: National Explorations

Claim NO	Hole NO	Footage	Date	Note
P 78886	NX-1-66	350'	Jan/66	
	NX-2-66	325'	Jan/66	
P 78880	NX-3-66	162'	Feb/66	
	NX-4-66	453'	Feb/66	
	NX-7-66	205'	Mar/66	
P 78877	NX-5A-66	177'	Feb/66	
	NX-5B-66	453'	Feb-Mar/66	
P 78875	NX-6-66	455'	Mar/66	
P 78885	NX-8-66	738'	Mar/66	
	NX-9-66	468'	Apr/66	

3786

Notes:

**REPORT ON DIAMOND DRILLING PROGRAMME  
ON PROPERTY OF  
NATIONAL EXPLORATIONS LIMITED**

**LANGSHUR TOWNSHIP  
PORCUPINE MINING DIVISION  
PROVINCE OF ONTARIO**

*78485  
37*

**SULMAC EXPLORATION SERVICES LIMITED**

**MAY 18, 1966**

## Introduction

Five conductors were tested by drilling on National Explorations Limited property in Langmuir Township, Porcupine Mining Division, Province of Ontario.

The programme consisted of ten bore holes put down to test five conductive zones indicated by an electromagnetic survey.

Included with this report are the drill logs, drill sections and plans of the drill programme.

## Summary and Conclusions

The National Explorations property discussed in this report is located in Langmuir Township between the properties of International Nickel Mining Corporation Co. of Canada to the north and McWatters Gold Mines Limited to the south. Reports from these two properties have indicated interesting nickel mineralization.

The drilling was carried out on the property during the period from January to April, 1966, and satisfactorily tested five electromagnetic conductive zones with ten bore holes. A total of 3,786 feet of drilling was completed. The electromagnetic conductors tested were associated with magnetic highs and lows outlined in a magnetometer survey. All the conductors were tested satisfactorily. No mineralization of economic significance was encountered in the drilling.

However, due to the geological environment compatible to the deposition of nickel mineralization, the property should be kept in good standing until such time as additional geological information may be made available on the adjoining properties to assist in planning any future work. The presence of peridotite presented definite encouragement and because of this rock type, extreme care must be taken in the future thinking as to the future of the property.

#### PROPERTY

The property consists of nine contiguous unpatented mining claims numbered 78865, 78866 and 78874 to 78880 inclusive, located in Langmuir Township, District of Temiskaming, Province of Ontario.

#### Location and Access

The claims are located approximately 17 miles southeast of Timmins, Ontario and are accessible by floatwing plane to the Night Hawk River and helicopter from Timmins. The property is accessible by road only in the winter time.

#### General Geology

The consolidated rocks of the area are of Pre-Cambrian age and of igneous origin. The Kaewatin rocks consist principally of volcanic and iron formations and are well exposed in Langmuir and Carman Townships. Reference: Ontario Department

of Mines, Volume 49, Part 4, 1940, Geology of the Langmuir-Sheraton area by L. G. Barry.

### STRATIGRAPHY

#### PRE-CAMBRIAN

Keweenaw	Olivine diabase dikes
Cobalt Series	Conglomerate greywacke
Matachewan	Quartz diabase dikes
Algoman	Granite, syenite, feldspar, lamprophyre dikes
Malloybarian	Serpentine
Neowatin	Volcanics consisting of basic and acid lavas, tuffs, and agglomerates with interbedded iron formation and associated fine sediments

#### Geology of the Property

The claim group is underlain by basic, ultra basic, acid and intermediate rocks of Pre-Cambrian age, reference Map No. 2066, Timmins-Kirkland Lake Sheet, Ontario Department of Mines. This is borne out by rock types intersected in the drilling.

### Drilling Results

The bore holes, numbering ten, are indicated as MX-1-66, MX-2-66, MX-3-66, MX-4-66, MX-5-A-66, MX-5-B-66, MX-6-66, MX-7-66, MX-8-66 and MX-9-66.

All the bore holes satisfactorily intersected the conductive zones indicated by the electromagnetic survey with the exceptions of MX-3-66 and MX-5-A-66 which were abandoned due to difficulty encountered in penetrating overburden.

Bore hole numbers MX-1-66 and MX-2-66 cross-sectioned a weakly indicated E.M. conductive zone coincident with a magnetic low. This conductor represents the contact zone of the sheared felsite, syenite, andesite with a 100 foot weakly mineralized interbedded felsite-syenite. The mineralization in the interbedded felsite-syenite is in the nature of two to three per cent sulphides. The highest nickel assay returned in this section was 0.13%. No mineralization of economic significance was encountered in either of these two drill holes.

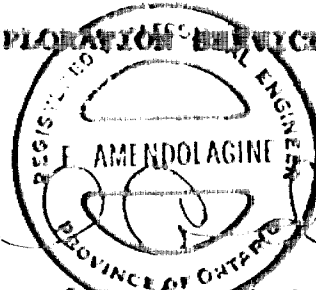
Bore hole MX-4-66 tested an indicated E.M. conductor coincident with a magnetic low. This conductor represents the chloritized and sheared contact of the syenite and andesite at 262 feet.

Bore hole number MK-3-A-66 tested an indicated H.M. conductor coincident with a magnetic low which is represented by the contact zone of serpentinized peridotite and anorthite at 210 feet.

Bore hole numbers MK-6-66, 7-66, 8-66 and 9-66, cross-sectioned an indicated H.M. conductor coincident with a belt of high magnetic. The belt of high magnetic is represented by peridotite and was intersected in all four drill holes.

Respectfully submitted,

BULMAC EXPLORATION SERVICES LIMITED



*E. Amendolagine*  
E. Amendolagine, B.A., M.A., P. Eng.

May 10, 1966

### SUMMARY OF DRILL HOLES

<u>D.D.H.</u>	<u>Location</u>	<u>Tidal Depth</u>	<u>Angle Drilled</u>
MX-1-66	20M, 36N	350 ft.	-50°NW
MX-2-66	20M, 36+50N	325 ft.	-50°NW
MX-3-66	0M, 3+50N	162 ft.	-50°NW
MX-4-66	16M, 6+50N	453 ft.	-50°NW
MX-5-A-66	30M, 3+50N	177 ft.	-50°NW
MX-5-B-66	30M, 3+75N	453 ft.	-55°NW
MX-6-66	20M, 23+50N	455 ft.	-50°NW
MX-7-66	16M, 23+50N	205 ft.	-50°NW
MX-8-66	16M, 24+50N	738 ft.	-50°NW
MX-9-66	16M, 27+40N	468 ft.	-50°NW









PROPERTY **National Explorations Limited**  
**Langmuir Twp., Ontario**

## SAMPLING RECORD

SHEET NO. 4 of 4

HOLE NO. **NX-1-66** DEPTH **312.7'** ANGLE **-50°** STRIKE **NW** ELEVATION \_\_\_\_\_

CO-ORDINATES **20N 38+00W**

DEPTH FEET	FORMATION	SAMPLE	LENGTH	ANALYSIS			LENGTH	PROGRESSIVE TOTALS FEET X PER CENT
		NO.	FT.	%	%	%	FEET	
	<b>311-312.7 disc py c. p. 1%</b>							
<b>312.7</b>	<b>END OF HOLE</b>							
	<b>Commenced Jan. 23/66</b> <b>Completed Jan. 27/66</b>							
	<b>AX core</b>							
	<b>No sludge samples as there was no water coming up.</b>							
	<b>Note: All contacts measured with respect to the side of the core.</b>							
	<b>No tests.</b>							
	<b>Drilled by Bradley Bros., Timmins, Ontario</b>							
	<b>Hole located on Claim No. P 78886</b>							
	<b>Casing pulled.</b>							
	<b>R. H. DUTHIE</b> <i>Robert H. Duthie</i>							

SULMAC EXPLORATION SERVICES LIMITED

PROPERTY National Explorations Limited,  
Langmuir Twp., Ontario

SAMPLING RECORD

SHEET NO. 1 of 4

HOLE NO. NX-2-66 DEPTH 326' ANGLE -50° STRIKE NW

20N CO-ORDINATES 36-50W

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTALS FEET X PER CENT
				%	%	%		
0.0	Collar							
62.0	Casing							
63.5	Ser. chl. And.							
72.0	Sy. with incl. of older And. 65-70 Diss py <1%							
74.0	Pk. felsite, carb.							
75.5	Sy. lower contact.							
76.5	Pk. felsite							
81.5	Sy. carb. f. g.							
84.5	Pk. felsite, carb.							
87.0	81.5-83.5 Diss py <1% Sch. chl. And. carb.							
89.0	Sy. m. g. carb.							
90.5	Chl. And. carb. str.							
96.0	Sy. carb. lower contact 45° 90-93.5 diss py 1- 1 1/2%							
104.2	Chl. sch. And. carb. moderately sch.							
105.0	Sy. carb.							
117.5	104-105 Diss py 1-2% Chl. sch. And.							
119.0	Pk. felsite carb. V. f. g. 117.5-119 diss py 1%							
129.0	Carb. chl. sch. And. flow structure evident. V. talcoose. Angle of sch. 60°							
131.0	Sy. carb. lower contact 40°							
144.5	Carb. chl. sch. And. flow structure evident. Lower contact 60°							
151.5	131-135 Diss py <1% Sy. f. g. carb. chl. sch. incl. Sy appears to be the Younger							

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 PROPERTY **National Explorations Limited  
Langmuir Twp., Ontario**

## SAMPLING RECORD

 SHEET  
CO-ORDINATE

 HOLE NO. **NX-2-66** DEPTH **326'** ANGLE **-50°** STRIKE **NW** ELEVATION

20N

 PROGRESSIVE  
FEET X PER

DEPTH FEET	FORMATION	SAMPLE NO	LENGTH FT.	ANALYSIS			LENGTH FEET
				Ni %	Cu %	Au %	
181.3	Carb. chl. sch. And. flow structure mod. schisted angle - 60°, feldspar str. trace py. 151.8-158.5 diss py <1% 158.5-165.0 diss py <1% 165-171.4 diss py 1-2% 175-180 diss py 1%						
183.5	Sy. f. g. carb. no viss min.						
193.5	Carb. chl. sch. And. talcose						
195.5	Pk. felsite V. f. g. carb.						
205.0	Sy. carb. upper and lower contacts 45° 193-196.5 diss py 1-1 1/2%	6916A	3.5	Nil	Tr	Nil	
207.0	Chl. carb. sch.						
211.5	Pk. felsite carb.						
213.0	Chl. carb. sch. And.						
217.5	Pk. carb. felsite						
219.5	Chl. And. upper contact 45° lower contact 30°						
232.0	Sy. carb. incl. of chl. And. calcite and qtz. str.						
233.5	Alt. pk. felsite 1" qtz. str.						
243.0	Sy. carb. 225-236.7 diss py 1%	6917A	11.7	Tr	Tr	Nil	
245.0	Pk. felsite calcite str. f. g. 242-245 diss py, sl. magnetic < 1%	6918A	3.0	Tr	Tr	Nil	
249.6	Sy. carb.						
249.9	Pk. felsite f. g.						
250.0	Sy. carb.						
251.5	Carb. And.						

PROPERTY **National Explorations Limited  
Langmuir Twp., Ontario**

## SAMPLING RECORD

SHEET NO. 3

 HOLE NO. **NX-2-66** DEPTH **326'** ANGLE **-50°** STRIKE **NW** ELEVATION \_\_\_\_\_
CO-ORDINATES **20N 36 5**

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTALS FEET X PER CENT
				Ni %	Cu %	Au %		
	249.2-250.9 dias py c.p. 1-2%	6919A	1.7	Tr.	0.01	Nil		
252.5	Chl. sch. with calcite str. Upper and lower contacts 20°							
255.1	Pk. felsite with qtz. str. on contact.							
262.5	Sy. carb. lower contact at 45°							
	252.2-255.3 dias py 1%	6920A	3.1	Tr.	Tr.	Nil		
264.0	Pk. felsite lower contact 10°							
276.0	Sy. chl. incl. 273 - 3" qtz. vein							
276.8	Pk. felsite, upper contact 30°, lower contact 60°							
278.0	And. chl. incl. of carb.							
279.0	Pk. felsite, lower contact 45°							
281.5	Carb. And. trace py.							
282.0	Carb. chl. And. contacts at 45°							
292.8	Sy. carb. feldspar, f.g. incl.							
295.0	Milky qtz. vein, contact 45°							
	290-293 dias py c.p. 1-2%							
300.5	Pk. felsite with qtz. str.							
	294-300 anlp. 3%	6902A	6.0	Nil	Tr.	Nil		
306.0	Green chl. And. flow struc- ture CaCO <sub>3</sub> & qtz. str. Upper contact 30° Lower contact 40°							

PROPERTY **National Explorations Limited**  
**Langmuir Twp., Ontario**

## SAMPLING RECORD

SHEET NO. 4

HOLE NO. **NX-2-66** DEPTH **326'**

ANGLE **-50°**

STRIKE **NW**

ELEVATION

20N CO-ORDINATES **36**

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTAL FEET X PER CENT
				NI %	Cu %	Au %		
311.0	Pk. felsite			NI	Cu	Au		
312.3	306-310.8 Dias py 1-2% Chl. And. qtz. & calcite str. Upper contacts h lower 49°	6922A	4.8	NI	NI	NI		
317.5	Pk. felsite f. g. lower contact 30°							
323.0	Chl. And. shows a flow structure in calcite & qtz.							
326.0	Sy. f. g. carb. trace sulp.							
326.0	END OF HOLE							
<p>Commenced - Jan. 28/66  Completed - Jan. 31/66</p> <p>AX core</p> <p>Drilled by Bradley Bros.  Diamond Drilling, Timmins</p> <p>Dip tests - 76' 49°  300' 40°</p> <p>Sludge samples taken  Hole located on Claim No. P 78886</p> <p>Casing pulled</p> <p>R. H. DUTHIE  <i>Robert H. Duthie</i></p>								



SULMAC EXPLORATION SERVICES LIMITED

PROPERTY **National Explorations Limited**  
**Langmuir Twp., Ontario**

**SAMPLING RECORD**

SHEET NO. **1** of **1**

HOLE NO. **NX-3-66** DEPTH **162'** ANGLE **-50°** STRIKE **NW** ELEVATION

**8N** CO-ORDINATES **3-50E**

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTALS FEET X PER CENT
				%	%	%		
0.0	Cellar							
122.0	B casing							
162.0	E casing							
	Note: Still in overburden.							
	B Casing broke at 42' - 80' of B casing lost in hole.							
	E Casing broke at 62' - 100' of E casing lost in hole.							
	Drill going through sand and boulders when casings broke.							
	Hole abandoned.							
	Commenced - Feb. 2/66 Completed - Feb. 8/66							
	Drilled by Bradley Bros. Timmins, Ontario							
	Hole located on Claim No. P 78860							
	No acid tests taken.							
	R. H. DUTHIE <i>Robert H. Duthie</i>							

## SULMAC EXPLORATION SERVICES LIMITED

PROPERTY National Explorations Limited  
Langmuir Twp., Ontario

## SAMPLING RECORD

SHEET NO. 1 of 2

HOLE NO. NX-4-66 DEPTH 453' ANGLE -50° STRIKE NW ELEVATION

16N CO-ORDINATES 6-50E

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FEET	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTALS FEET X PER CENT
				%	%	%		
0.0	Collar							
80.0	Casing							
174.0	Green, V. f. g. And. calcite str. Unaltered, f. g. at top becomes coarser down deeper 70-75 disc py 1%							
	81.5-86.5 disc py >1%							
	150-155 disc py >1%							
187.0	And. porph with chlorite, trace c. p., py. qtz. stro. calcite stro.							
198.5	And. V. f. g. V. chloritic heavily carb.							
219.0	Gradual gradation into f. g. And.							
231.0	Gr. green. feldspathized monzonite. m. gr. carb. upper and lower contact 45° Fe							
236.0	M. g. And. trace py.							
262.5	Gr. -green monzonite, chl. incl. lower contact 30° trace py.							
336.0	M. gr. And. calcite stro.							
346.5	V. f. g. And. calcitic flow structure							
354.0	Qtz. vein, no vis min.							
357.0	Qtz. vein							
385.0	f. g. And. and qtz. vein stockwork.							
453.0	V. f. g. And., calcite stock- work. shows a flow struc- ture							

PROPERTY **National Explorations Limited,  
Langmuir Twp., Ontario**

## SAMPLING RECORD

16N CO-ORDINATES 6,50W

HOLE NO. **NX-4-66** DEPTH **453'** ANGLE **-50°** STRIKE **NW** ELEVATION

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FEET	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTALS FEET X PER CENT
				%	%	%		
453.0	END OF HOLE  Commenced - Feb. 9/66 Completed - Feb. 13/66  AX Core  Tests: 118' 48° 428' 49.5°  Drilled by Bradley Brog., Timmins, on Claim No. P78880  Casing pulled Hole marked.  R. H. DUTHE <i>Robert H. Duthe</i>							

PROPERTY **National Explorations Limited**  
**Langmuir Twp., Ontario**

# SAMPLING RECORD

1 of 1  
 SHEET NO. . .

HOLE NO. **NX-5A-66** DEPTH **177'** ANGLE **-50°** STRIKE **NW** ELEVATION \_\_\_\_\_

CO-ORDINATES  
**30N 3 50W**

DEPTH FEET	FORMATION	SAMPLE NO	LENGTH FEET	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTALS FEET X PER CENT
				%	%	%		
0.0	Collar							
132.0	B Casing							
177.0	E Casing							
	Both casings broke in overburden - B casing @ 58' E casing @ 52'							
	<b>HOLE ABANDONED</b>							
	Commenced Feb. 21/66 Completed Feb. 23/66							
	No acid tests							
	Drilled by Bradley Bros., Timmins, on Claim No. P 78877							
	Casings pulled							
	R. H. DUTHIE <i>Robert H. Duthie</i>							

PROPERTY National Explorations Limited  
Langmuir Twp., Ontario

SULMAC EXPLORATION SERVICES LIMITED

SAMPLING RECORD

HOLE NO. NX-5B-66

DEPTH 453'

ANGLE -55°

STRIKE NW

SHEET NO.

CO-ORDINATES 37

30N

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ELEVATION ANALYSIS			LENGTH FEET	PROGRESSIVE TOTAL FEET X PER CENT
				%	%	%		
0.0	Collar							
148.0	Casing							
175.0	Serp., talcose on frt. planes. Angle of sch. 20° No vis. min.							
179.0	L. C. - sludge samples							
180.0	Green serp.							
181.0	L. C. - sludge samples							
183.0	Green serp.							
185.0	L. C. - sludge							
201.0	Green serp.							
210.0	Brown non-carb. ser. sch. No vis min.							
235.0	Alt. and. shows a flow structure, non-carb. Fe on frt. planes.							
236.4	Sy. lower contact 45°							
453.0	Light-green alt. And. non-carb.							
	357-360.3 diss py < 1%							
	362-364 diss py < 1%							
	370-373.5 diss py < 1%							
	385-388 diss py < 1%							
	400-402 diss py < 1%							
	430-435 diss py < 1%							
	440.5-445 diss py < 1%							
453.0	END OF HOLE							

PROPERTY National Explorations Limited  
Langmuir Twp., Ontario

## SAMPLING RECORD

HOLE NO. **NX-5B-66** DEPTH **453'** ANGLE **-55°** STRIKE **NW** ELEVATION

30N CO-ORDINATES **3-75W**

DEPTH FEET	FORMATION	SAMPLE NO	LENGTH FT.	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTALS	
				%	%	%		FEET X PER CENT	
<p>Commenced Feb. 24/66 Completed - Mar. 3/66</p> <p>AX core</p> <p>Tests: 173' 55¢ 420' 55°</p> <p>Sludge samples taken.</p> <p>Drilled by Bradley Bros. on Claim No. P 78877</p> <p>Casing pulled. Marker stake put in.</p> <p>R. M. DUTHIE <i>Robert H. Duthie</i></p>									

SULMAC EXPLORATION SERVICES LIMITED

PROPERTY **National Explorations Limited**  
**Langmuir Twp., Ontario**  
**NX-6-66 4551**

**SAMPLING RECORD**

SHEET NO. **1 of 1**

HOLE NO. \_\_\_\_\_ DEPTH \_\_\_\_\_ ANGLE **-50°** STRIKE **NW** ELEVATION \_\_\_\_\_

CO-ORDINATES **20N 23-50W**

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTALS FEET X PER CENT
				%	%	%		
0.0	Collar							
92.0	Casing "B"							
208.5	M.g. qtz. Dio. magnetite This seams of chlorite in core.							
243.0	Blk. v.f.g. Bq, magnetic							
270.0	Alt. Ba. trace py.							
296.0	Blk. v.f.g. Ba.							
455.0	Alt. Ba, trace C.p. From 375-450' the alt. Ba (perid) seems to be carb. 400-405 py <1%							
455.0	END OF HOLE							
<p>Commenced March 5/66                  Completed March 10/66</p> <p>AX Core                  Tests: 110' 47°                  435' 51°</p> <p>Drilled by Bradley Bros.                  Claim No. P 78875</p> <p>Casing pulled                  Marker stake put in</p> <p>R. H. DUTHIE</p> <p><i>Robert N. Duthie</i></p>								

PROPERTY **National Explorations Limited**  
**Langmuir Twp., Ontario**

**SAMPLING RECORD**

SHEET NO.

HOLE NO. **NX-7-66**

DEPTH **205'**

ANGLE **-50°**

STRIKE **NW**

ELEVATION

CO-ORDINATES  
**16N 237**

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTAL FEET X PER CENT
				%	%	%		
<b>0.0</b>	<b>Collar</b>							
<b>68.0</b>	<b>B casing (O/B)</b>							
<b>205.0</b>	<b>Green blocky peridotite, magnetic car., soft. No other visible min.</b>							
	<b>Casing broke on Mar. 18 55' lost down the hole.</b>							
	<b>2 cementing jobs - one at 100' and the other at the end of the hole.</b>							
<b>205.0</b>	<b>END OF HOLE</b>							
	<b>AXT core</b>							
	<b>Commenced Mar. 12/66 Completed Mar. 18/66</b>							
	<b>No acid tests</b>							
	<b>Drilled by Bradley Bros., on Claim #P 7888</b>							
	<b>Casing pulled (except 55') Marker stake put in</b>							
	<b>R. H. DUTHIE</b> <i>Robert H. Duthie</i>							



## SULMAC EXPLORATION SERVICES LIMITED

PROPERTY National Explorations Limited  
Langmuir Twp., Ontario

## SAMPLING RECORD

1 of 3  
SHEET NO.

HOLE NO. NX-8-66 DEPTH 738'

ANGLE -50° STRIKE NW

ELEVATION

CO-ORDINATES  
16N 24-50W

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTALS FEET X PER CENT
				Ni %	%	%		
0.0	Collar							
67.5	B casing							
68.4	V. dk. Perid. sl. mag.							
70.6	Py. magnetite >1%	6945A	2.2	0.10				
226.0	Perid. serp. carb.							
	104-106 py 1 - 1 1/2%	6946A	2.0	0.11				
	119-120.5 sulp. 1%	6947A	1.5	0.09				
	191-193 sulp. >1%	6948A	2.0	0.13				
	200-203 disc py 1-2%	6949A	3.0	0.11				
	204-206.5 disc py 1-2%	6950A	2.5	0.11				
233.0	Alt. monzonite							
	226-233 sulp 1-2%	6951A	7.0	Tr.				
258.0	Perid.							
	242-245.5 disc py 1-2%	6952A	3.5	0.09				
	248-250 disc py 1-2%	6953A	2.0	0.02				
	254-257 disc py 1-2%	6954A	3.0	0.09				
264.0	Alt. monzonite, non- magnetic							
	258-261.3 disc py 1-2%	6955A	3.3	0.02				
306.0	Perid. magnetic							
	278-281.5 disc py 1-3%	6956A	3.5	0.09				
307.5	monzonite							
	306-307.5 sulp. disc py >1%	6957A	1.5	Tr.				
309.0	Perid.							
312.5	Monzonite							
318.5	Perid.							
321.5	Monzonite							
	317.5-321.5 sulp disc py >1%	6958A	4.0					
326.5	Perid.							
330.0	Monzonite							
	327-330 disc py >1%	6959A	3.0	Tr.				

## SULMAC EXPLORATION SERVICES LIMITED

 PROPERTY **National Explorations Limited  
Langmuir Twp., Ontario**

## SAMPLING RECORD

SHEET NO. **2 of 3**
 HOLE NO. **NX-8-66** DEPTH **738'** ANGLE **-50°** STRIKE **NW** ELEVATION **16N** CO-ORDINATE **24 50**

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FEET	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTAL FEET X PER CENT
				Ni %	Cu %	%		
350.0	Perid.							
	341-346 disc py >1%	6960A	5.0	0.08				
351.5	Monsonite							
	350-351.5 disc py 1-2%	6961A	1.5	0.04				
616.0	Perid. sl. chloritic							
	480-485 sulp py >1%							
	485-488 py >1%							
	512.5-516 sulp 1-1 1/2%							
	546-548 py >1%							
	590-594.5 py >1%							
	609-610 py >1%							
629.0	Monsonite							
	616-620 sulp 5%	6968A	4.0	0.11	0.01			
	620-625 sulp 5%	6969A	5.0					
642.5	Perid. sl. shr'd							
	626-631 sulp >1%							
657.0	Monsonite							
	643-650 sulp 1-2%	6970A	7.0	0.01	Trace			
	650-657 sulp 1-2%	6971A	7.0	0.09	Trace			
684.0	Perid.							
701.5	And. with qtz. str.							
738.0	Perid. no vis min. n							
738.0	END OF HOLE							
	Commenced March 20/66							
	Completed March 30/66							
	AX core							



## SULMAC EXPLORATION SERVICES LIMITED

PROPERTY **National Explorations Limited**  
**Langmuir Twp., Ontario**

## SAMPLING RECORD

16N

COORDINATES

HOLE NO. **NX-9-66** DEPTH **468'** ANGLE **-50°** STRIKE **NW** ELEVATION

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS		
				Ni %	Cu %	
0.0	Collar					
32.0	Bedrock					
57.0	B Casing					
	43.5-57.0 L. C. no water recovery					
65.5	Monzonite, sl. magnetic					
76.0	Perid. sl. magnetic					
108.0	Monzonite sl. magnetic specular hematite					
121.5	Perid. sl. magnetic trace py.					
132.0	Monzonite					
	129.5-132 diss py - 1%					
135.5	Perid.					
137.0	Qts. monzonite					
144.6	Perid.					
	138-140 diss py - 1%					
	144.5-148 diss py - 1%					
149.0	Monzonite					
166.0	Perid.					
168.0	L. C.					
173.5	Qts. monzonite, very blocky					
	168-173.5 diss py - 1%	6975A	5.5	Tr.	Tr.	
174.5	L. C.					
198.5	Qts. monzonite, trace py					
223.0	Perid.					
224.0	L. C.					
225.5	Perid. trace py.					
226.5	L. C.					
230.5	Perid. no vis min.					
233.0	Monzonite, upper and lower contact 45°					

SULMAC EXPLORATION SERVICES LIMITED

PROPERTY **National Explorations Limited**  
**Langmuir Twp., Ontario**

**SAMPLING RECORD**

SHEET NO. **2 of 2**

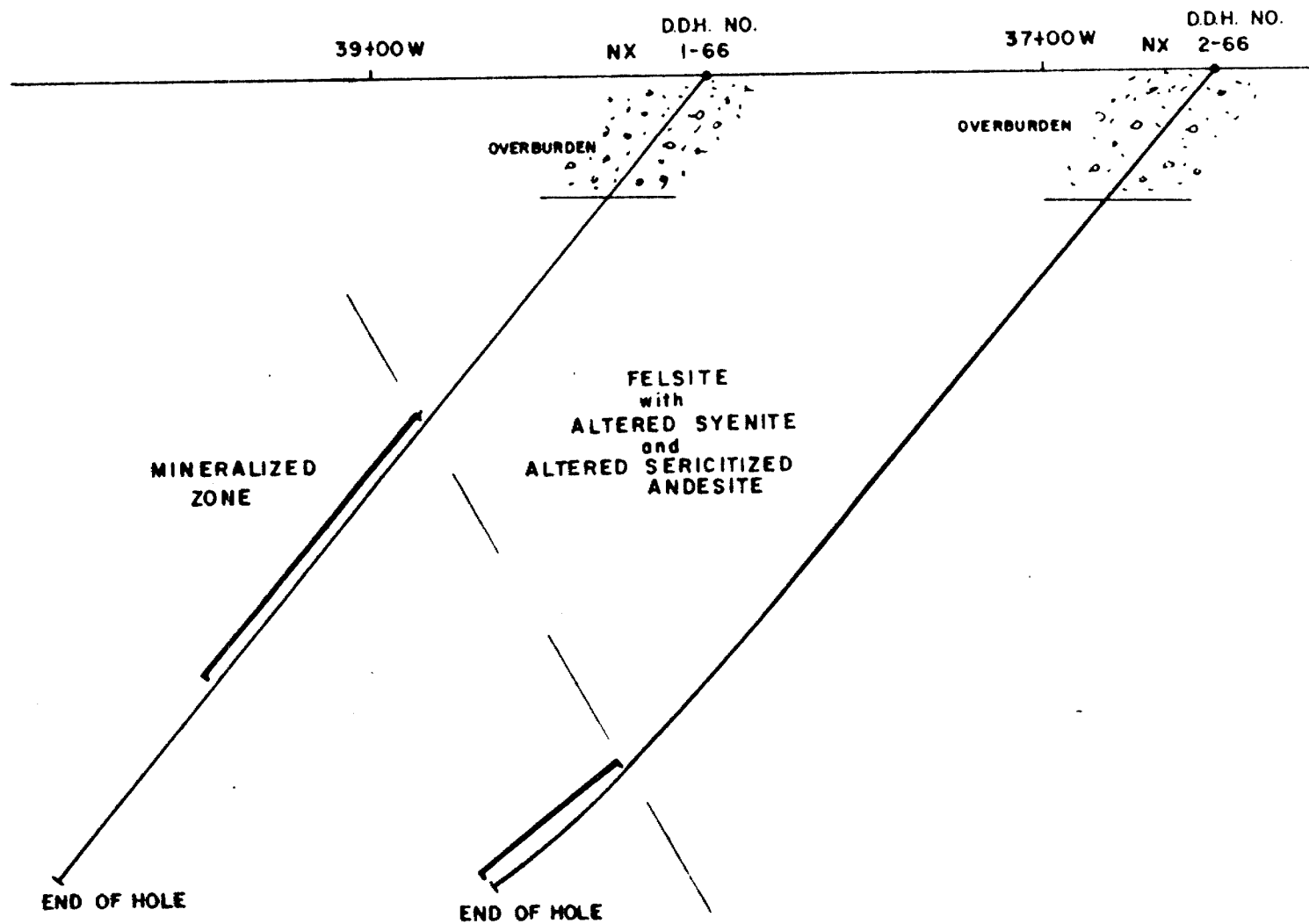
HOLE NO. **NX-9-66** DEPTH **468'** ANGLE **-50°** STRIKE **NW**

ELEVATION

CO-ORDINATES  
**16N 27-40W**

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH FEET	PROGRESSIVE TOTALS	
				%	%	%		FEET X PER CENT	
419.0	Peridot, trace py 272-274 disc py < 1% 279-283.5 disc py < 1% 288.5-293.5 disc py < 1%								
456.0	And. qtz. stringers, no vis min.								
468.0	Perid. no vis min.								
468.0	END OF HOLE								
Commenced April 1/66 Completed April 11/66  AX core  Tests: 59'    50° 428'    49°  Drilled by Bradley Bros., on Claim P 78885  Casing pulled Marker stake put in  R. H. DUTHIE <i>Robert H. Duthie</i>									

LOOKING NORTH-EAST



NATIONAL EXPLORATIONS LTD.

DDH. NO. - 1-66, 2-66.

LOCATION - L-20+00N - 38+00W  
36+50 W

SCALE - 1" = 50'

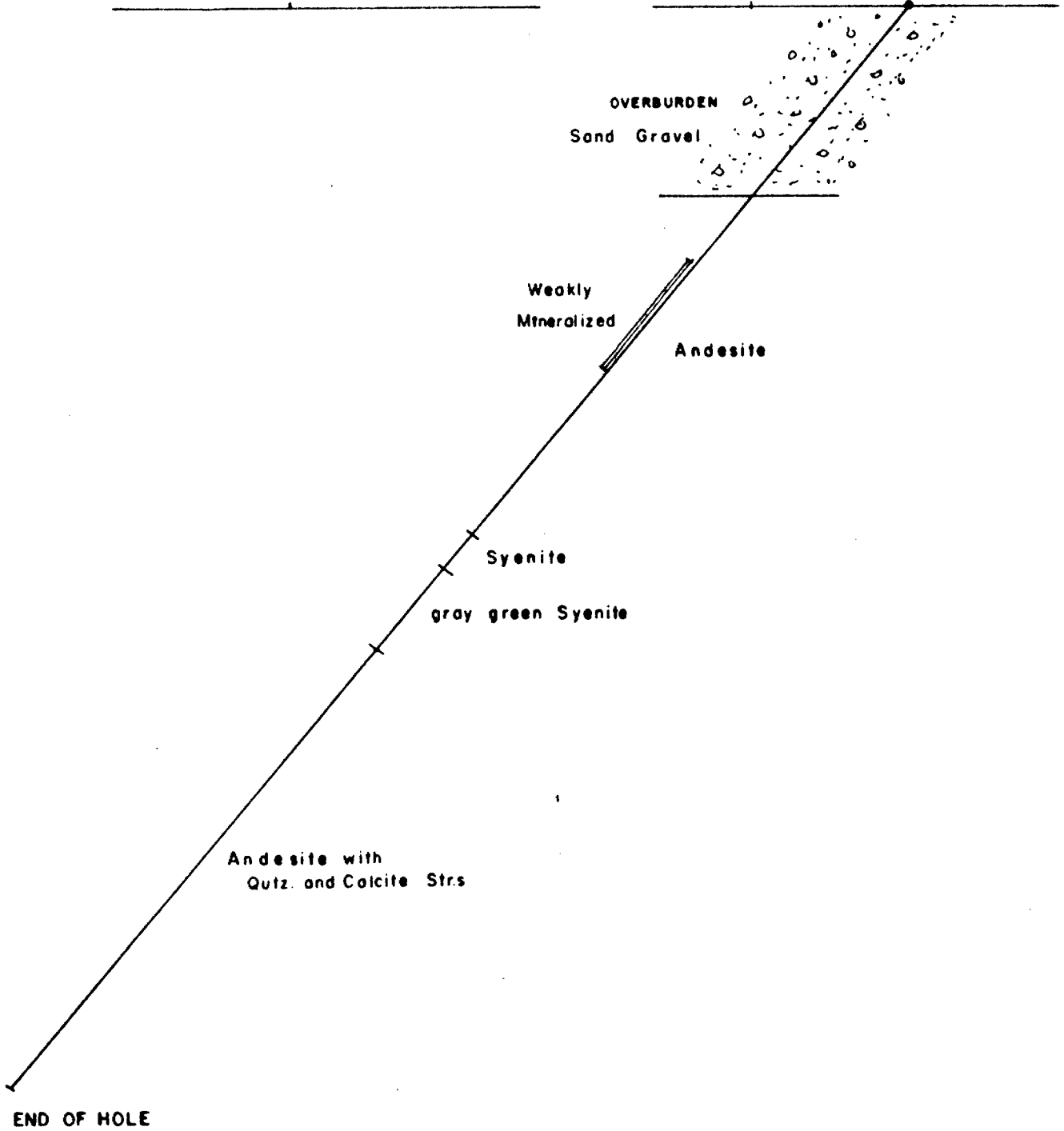
LANGMUR TWP. - ONTARIO

LOOKING NORTH-EAST

4+50E

6+00E

NX  
DDH.- NO.-4-66



END OF HOLE

NATIONAL EXPLORATIONS LTD.

DDH. NO.- 4-66

LOCATION - L-16+00N - 6+50E

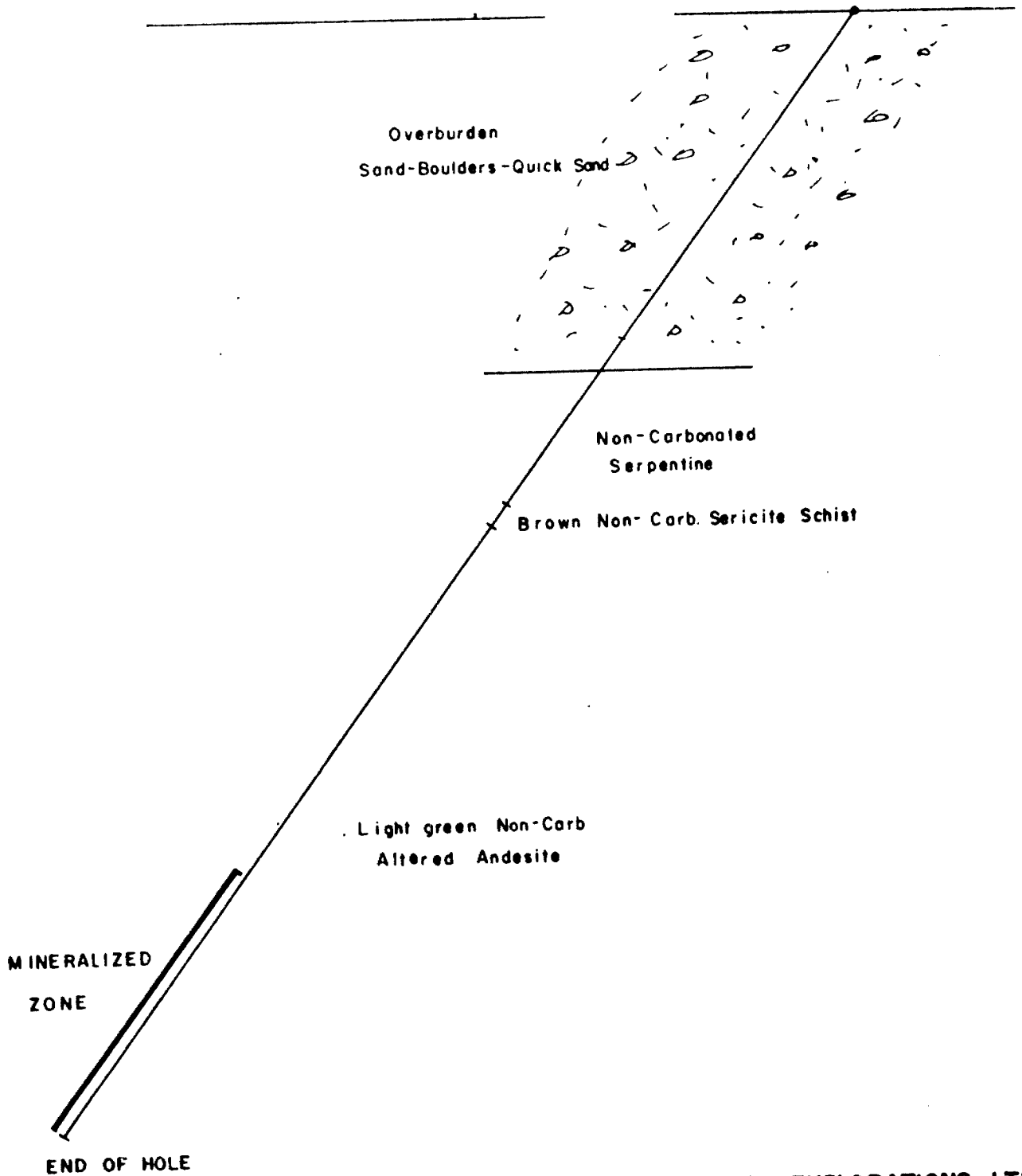
SCALE - 1" = 50'

LANGMUR TWP.- ONTARIO

LOOKING NORTH-EAST

5+00 W

NX  
D.D.H. NO.-5B-66



NATIONAL EXPLORATIONS LTD.

D.D.H. NO.- 5B-66

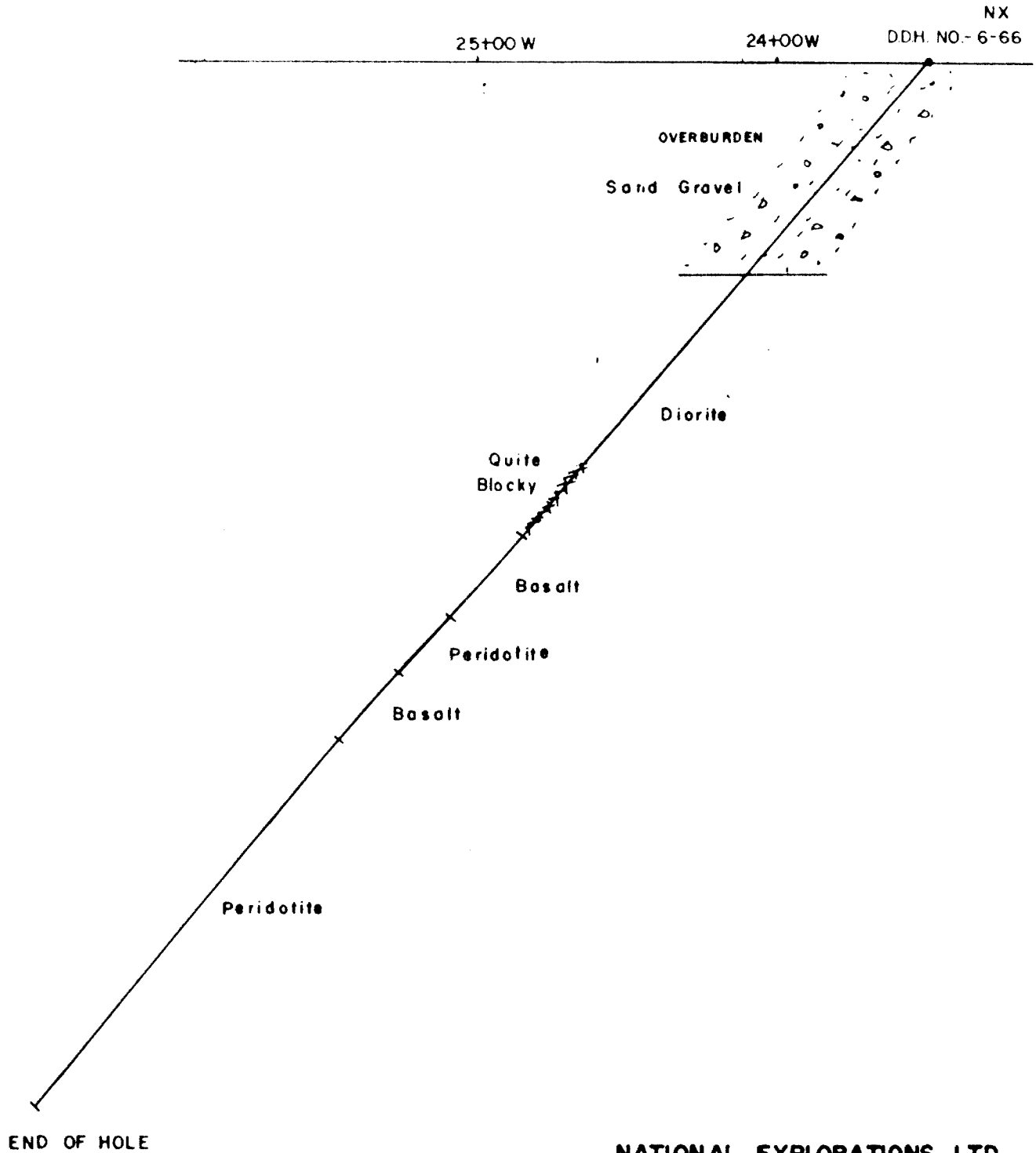
LOCATION - L-30+00N - 3+75 W

SCALE - 1" = 50'

LANGMUIR TWP - ONTARIO



LOOKING NORTH-EAST



NATIONAL EXPLORATIONS LTD.

D.D.H. NO.- 6-66

LOCATION- L-20+00N-23+50W

SCALE-1"= 50'

LANGMUIR TWP.- ONTARIO