11 S F

MILES CREEK - ENGER OPTION

Duplicates of Drill Logs. Holes S-1A to S-8 incl.

006764

Duplicates from the property.

Please note:

The survey particulars of Hole S-1A have not been entered pending a transit survey.

Hole S-1 was abandoned due to boulder trouble with the casing(moved to S-1A on April 25th.)

Hole S-1A:

Collar is approximately 445 Feet on a bearing of 160° azimuth from the No.1 posts of Caribou 3 and 4. The dip at the collar is 45°. A dip test at the bottom of the hole (263') did not etch as the acid sent from Vancouver was diluted to too weak a strength, before sending. The direction of the hole was spotted due south.

Hole S-2 :

This hole was spotted 70' due south from the collar of S-1A, to be drilled due north at a dip of 45°. It is designed to complete the cross-section through the mineralization. It is at a slightly higher elevation than S-1A and the 70' distance is an allowance for depth of overburden, so that no gap will exist in the cross-section.

RMB.

PROPERTY Enger Option, 1953
White River Y.T.

DIAMOND DRILL RECORD

HOLE NUMBER S-1A
SHEET NUMBER 1
SECTION FROM 0.0 TO 42.0

LOCATION: LAT. 9,605 N
DEP. 10,145 E.
ELEVATION OF COLLAR 2,751 ft.
DATUM 3000' at Sta. 13 on B.L.
DIRECTION AT START: BEARING Due South
DIP 48° at collar.

STARTED April 28/53 11S F
COMPLETED May 5 1953
ULTIMATE DEPTH 263.0
PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
0.0 - 39.0	Casing			Cu	Ni
39.0 - 1200	~~Rhyolite~~ Silicified tuff. Section from 39.0-42.0 was drilled before casing broke, but it is in sequence with following core.				
	39.0 - 41.4? Dark grey, aphanitic and siliceous. From 39.6 to 39.9 narrow, medium-grained diorite dike. About 15% pyrrhotite and sparse pyrite in the rhyolite (Silicified tuff).	1	2.4	Nil	0.58
	Sample from 39.0 - 41.4				
	Core lost from 41.4 to 42.0				
	The ~~rhyolite~~ Silicified tuff varies from light grey to medium greenish-grey from 42.0 to end of hole. Acid testing indicates that there are numerous minute calcite threads in fractures through it. The rock maintains its siliceous character throughout the hole.				

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/46

DRILLED BY Boyles Bros. Ltd.

SIGNED A.D. Baker

PROPERTY Enger Option, 1953

HOLE NUMBER S-1A

SHEET NUMBER 2

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	42.0 – 45.7 : 20% pyrrhotite silicified matrix replacing rhyolite in irregular threads and patches.			Cu	Ni Zn
	Sample from 42.0 - 45.7	2	3.7	Nil	1.47
	Core lost from 45.7 to 48.5				
	48.5 – 53.5 : Between 15 and 20% pyrrhotite. Fracturing at 45° to core. Core broken from 49.5 to 52.0				
	Sample from 48.5 to 53.5	3	5.0	Nil	0.89
	Core lost from 53.5 to 54.0				
	54.0 – 59.0 15% pyrrhotite; sparse chalcopyrite				
	Sample from 54.0 to 59.0	4	5.0	Nil	1.04
	Core lost from 59.0 to 59.3				
	59.3 to 63.0 Estimated 15% pyrrhotite				
	Sample from 59.3 to 63.0	5	3.7	Nil	0.63

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R W Baker

PROPERTY Enger Option, 1953

HOLE NUMBER [illegible]

SHEET NUMBER 3

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $			
				Cu	Ni			
	64.0 to 68.5 20% pyrrhotite. Sparse pyrite and chalcopyrite. A few white carbonate threads.							
	Sample from 64.0 to 68.5	6	4.5	Nil	0.93			
	Core lost from 68.5 to 69.0							
	69.0 to 74.0	7	5.0	Nil	0.86			
	Between 10 and 15% pyrrhotite. Several small threads of pyrite.	From 39.0 to 74.0:						
	Sample from 69.0 to 74.0			0% Cu; 0.80% Ni				
	From 74.0 to 76.0 - barren core				35.0			
	76.0 to 77.7 : 15% pyrrhotite, sparse chalcopyrite.	8	1.7	0.08	0.38	✓		
	Sample from 76.0 to 77.7							
	77.7 to 82.7 : About 5% pyrrhotite in irregular patches and threads. Core broken from 78.5 to 81.0.	9	5.0	Nil	0.25	✓		

NORTHERN MINER PRESS LIMITED, TORONTO–STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros Ltd.

SIGNED R M Baker

PROPERTY *Enger Option 1953*

HOLE NUMBER *S-1A*

SHEET NUMBER *4*

DIAMOND DRILL RECORD

SECTION FROM .... TO ....

LOCATION: LAT. .... DEP. ....

STARTED .... *115 F*

ELEVATION OF COLLAR ....

COMPLETED ....

DATUM ....

ULTIMATE DEPTH ....

DIRECTION AT START: BEARING .... DIP ....

PROPOSED DEPTH ....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $ (Cu)	SLUDGE GOLD $ (Ni)		
	82.7 to 87.0: About 5% pyrrhotite	10	4.3	Nil	0.55	✓	
	Some faint bedding ~~banding~~ in the silic tuff ~~rhyolite~~ - ~~probably~~ & vestigial						
	from the alter'n ~~a flow feature~~: (at 40° to core)						
	Core lost from 87.0 to 88.0						
	88.0 to 93.0:	11	5.0	Nil	0.34		
	Less than 5% pyrrhotite in						
	irregular threads and small		From 76.0 to		93.0 :	✓	
	patches. Silic tuff ~~Rhyolite~~ shows bedding ~~flow~~			.01 % Cu ;	0.35 Ni		
	at 40° to core ~~banding~~ and an olive-drab						
	colour; still not quite so siliceous ~~siliceous~~.			17.0			
	From 93.0 to 110.0 there						
	is less than 1% pyrrhotite.						
	Samples not taken over this						
	section. The silic tuff ~~rhyolite~~ shows vestigial bedding ~~banding~~						
	in part at 40° to core, and also						
	a bleached, pale grey colour at						
	irregular intervals (alteration)						
	110.0 to 115.0: 15% irregular	12	5.0	0.33	0.06		
	pyrrhotite. A little pyrite and						
	chalcopyrite. Appears to be some						
	fine, dark brown sphalerite at 111.0 (over 2")						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY *Boyles Bros. Ltd.*

SIGNED *R W Baker*

PROPERTY Enger Option 1953

HOLE NUMBER S-1A

SHEET NUMBER 5

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	115.0 to 120.0:			Cu	Ni		
	15% pyrrhotite in irregular veinlets and small patches. Sparse chalcopyrite in minute threads. ~~Rhyolite~~ Silic. tuff - medium grey, aphanitic. Fracturing at 50° and 30° to core.						
	Sample from 115.0 to 120.0	13	5.0	0.33	0.04		
120.0-192.0	Feldspar porphyry. (Lapilli tuff) Medium grained. Phenocrysts have anhedral outlines. Considerable partially assimilated wall-rock which has taken on a bleached appearance, the pieces having indefinite outlines. Sparse pyrite present in the porphyry.						
	From 110.0 to 120.0						
	.33% Cu; .05% Ni. ✓						
	10.0						
192.0-263.0	~~Rhyolite~~ Silic. tuff						
	192.0 - 193.5: Pinkish-grey, aphanitic. (wall rock altern. from dike)						
	193.5 - 217.0: Dark grey, aphanitic.						
	217.0 - 263.0: Light grey to medium grey.						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 8/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R.M. Baker

PROPERTY Enger Option 1953

HOLE NUMBER S-1A

SHEET NUMBER 6

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	Core lost: 130.0 to 131.0						
	134.5 to 136.0						
	144.0 to 147.0						
	152.0 to 154.0						
	162.0 to 163.0						
	181.0 to 182.0						
	188.5 to 190.0						
	200.0 to 203.5						
	216.0 to 217.0						
	222.0 to 223.0						
	227.5 to 230.0						
	234.0 to 235.0						
	245.5 to 246.0						
	256.0 to 258.0						
	From 206.5 to 208.3: Irregular intrusion of feldspar porphyry. Contacts not defined. Appears to be a blending of the intrusive with the ~~Argillite~~ tuff. Feldspar phenocrysts have poorly-developed outlines.	(lapilli tuff)					

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R W Baker

PROPERTY Enger Option 1953

HOLE NUMBER S-1A

SHEET NUMBER 7

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	206.5 to 211.5:			Cu	Ni		
	5% pyrrhotite, chalcopyrite and pyrite in irregular patches and small threads. Fracturing at 40° and 50° to core. Sample from 206.5 to 211.5.	14	5.0	1.01	0.17		
		From 206.5 to 211.5:					
				1.01% Cu; 0.17% Ni			
				5.0			
	A few specks of pyrrhotite at 213.5 and one small patch of pyrite at 212.2. Not worthy of assay.						
	End of hole at 263.0						
	Core recovery: 87%						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R W Baker

J. W. N. BELL, B.Sc.
J. H. WHITE, B.Sc.

TELEPHONE 107 A
P. O. BOX 183

HAILEYBURY, ONT., May 15th 1953.

J. W. N. BELL LABORATORIES

(HAILEYBURY ASSAY OFFICES)

ASSAYERS AND ANALYTICAL CHEMISTS

Certificate of Analysis

No. 2496

We have assayed 14 samples of Core

Received May 14th and submitted by Prospector's Airways Limited, Suite 1616 - 44 King St. W. Toronto, Ont. with the following results:

	Sample No.	%Cu	%Ni
Core	1	Nil	.58
	2	Nil	1.47
	3	Nil	.89
	4	Nil	1.04
	5	Nil	.63
	6	Nil	.93
	7	Nil	.86
	8	.08	.38
	9	Nil	.25
	10	Nil	.55
	11	Nil	.34
	12	.33	.06
	13	.33	.04
	14	1.01	.17

Gold reported at $.....per oz.

.....Assayer

MEMBER -- ASSOCIATION OF CANADIAN TESTING LABORATORIES

PROPERTY Miles Creek - Enger

HOLE NUMBER S-2

SHEET NUMBER 1

SECTION FROM 0.0 TO 57.3

DIAMOND DRILL RECORD

LOCATION: LAT. 9,540 N.
DEP. 10,145 E ft

ELEVATION OF COLLAR 2,759 ft

DATUM 3000' at Sta. 13 on B.L.

DIRECTION AT START: BEARING Due north
DIP 48° at collar

STARTED May 7, 1953 11:15 P

COMPLETED May 9, 1953

ULTIMATE DEPTH 98.6

PROPOSED DEPTH To complete cross-section

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
0.0-39.0	Casing			Au	Ni
39.0-57.3	Silicified tuff. Vestiges of bedding at 50° to core. Pale grey, aphanitic to fine grained. Core lost from 53.8 to 55.0.				
	39.0 to 44.0:				
	About 2% pyrrhotite and pyrite in irregular threads and patches	15	5.0	.06	.33
	44.0 - 49.0:				
	10 to 15% irregular replacement of silicified tuff by fine grained pyrrhotite and threads of pyrite	16	5.0	Nil	.73
	49.0 to 52.2:				
	About 2 to 3% fine pyrrhotite and pyrite as above.	17	3.2	Nil	.45
		From 39.0 to 52.2			
		.02% Cu; .51% Ni			
	Core contains sparse pyrrhotite to end of silic. tuff at 57.3. Not worthy of assay.			13.2	

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros Ltd.

SIGNED R. M. Baker

PROPERTY Miles Creek - Enger

HOLE NUMBER S-2

SHEET NUMBER 2

SECTION FROM 57.3 TO 76.0

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
57.3–81.8	Basalt: Greyish-black, fine grained. Shows fine banding in part, which may be a flow feature. Numerous white carbonate threads.			Cu	Ni
	Core lost from 63.6 to 64.0				
	65.5 to 66.0				
	67.1 to 69.0				
	69.8 to 71.0				
	78.5 to 79.3				
	62.6 to 63.6:				
	0.5' of interbedded silicified tuff containing about 15% fine pyrrhotite (Sample taken over 1.0 ft. as a minimum)	18	1.0	.10	.06
	75.0 to 76.0:				
	Pale grey silic. tuff interbedded in the basalt and replaced by about 10% pyrrhotite	19	1.0	.06	.09

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd

SIGNED R.W. Baker

PROPERTY Miles Creek - Enger

HOLE NUMBER S-2

SHEET NUMBER 3

SECTION FROM 76.0 TO 98.0

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11'5" F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $	
	76.5 - 77.5:			Cu	Ni	
	Greyish-black basalt containing about 1% pyrite in scattered small blebs. Section contains about 0.3 ft. of interbedded silicified tuff.	20	1.0	.05	.01	
81.8 - 89.7	Interbedded tuff and basalt, both masked by alteration (possibly a flow top)					
89.7 - 98.0	Fine grained intermediate, fresh lava. Has a compact, fine appearance. Occasional speck of pyrite.					
	Core lost from 81.9 to 83.0					
	85.0 to 86.5					
	83.1 to 84.6: about 5% irregular fine-grained pyrrhotite	21	1.5	.06	.58	
	86.5 to 89.1: about 5% pyrrhotite.	22	2.6	Nil	.37	
				.02% Cu	.31% Ni	
					6.0	

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Creek - Enger

HOLE NUMBER S-2

SHEET NUMBER 4

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $			
	End of hole at 98.0							
	Core recovery 87%							

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros Ltd.

SIGNED P. M. Baker

J. W. N. BELL, B.Sc.
J. H. WHITE, B.Sc.

TELEPHONE 107 A
P. O. BOX 183

HAILEYBURY, ONT., May 26th 1953.

J. W. N. BELL LABORATORIES

(HAILEYBURY ASSAY OFFICES)
ASSAYERS AND ANALYTICAL CHEMISTS

Certificate of Analysis

No. 2736

We have assayed 8 samples of Core

Received May 25th and submitted by Prospector's Airways Limited, (C. Finch)
1616 - 44 King St. W. Toronto, Ont. with the following results:

	Sample No.	%Cu	%Ni
Core	15	.06	.33
	16	Nil	.73
	17	Nil	.45
	18	.10	.06
	19	.06	.09
	20	.05	.01
	21	.06	.58
	22	Nil	.37

Geyer - Miles Creek
Hole 2-S

Gold reported at $.....per oz.

.....Assayer

INTER-OFFICE CORRESPONDENCE

FROM

TO

DATE

SUBJECT

MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

Please note:

The survey data is subject to revision by transit survey. The coordinates are taken from the grid established at the Toronto office at a scale of 1 inch equals five hundred feet.

The rock cut by the hole is an assemblage of intercalated volcanics, difficult to sort out due to alteration and changes of character over short lengths. It is possible that in the section from 200 to 310 where core loss was high, that the sludge recovery represents the main mineralized section cut in Hole 1A. The core recovered in this zone, in Hole 3A, is the best mineralized of the hole.

Some of the rock called silicified tuff in Hole 1 A may be intermediate lava, with short interbedded sections of tuff or banded chert.

HONEY PRINTING SERVICE, TORONTO
STOCK FORM NO. 3001

PROPERTY Miles Creek - Enger Option

HOLE NUMBER 3A
SHEET NUMBER 1
SECTION FROM 0.0 TO 40.0

DIAMOND DRILL RECORD

LOCATION: LAT. 9,390 N.
DEP. 10,325 E. ft.
ELEVATION OF COLLAR 2,803 ft.
DATUM 3000 at ch. 13+00 on E-W. Baseline
DIRECTION AT START: BEARING Due north
DIP 44° 30'

STARTED May 14, 1953. NSF
COMPLETED May 22, 1953
ULTIMATE DEPTH 373'
PROPOSED DEPTH To cut mineralized zone.

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $			
				Cu %	Ni %			
0.0 - 30.0	Casing							
30.0 - 373.0	Intermediate lava. Medium grey, fine grained. Some sections show a greenish cast and also a variolitic appearance at 78.5 to 79.0. Vestige of bedding at 44.2 (tuff?) From 79.5 to 87.5: Pinkish-grey, silicified appearance Fracturing at 30° and 45° to core. Numerous fine calcite threads at various angles to core							
	30.0 to 34.2	23	4.2	Nil	2.86			
	10 to 15% pyrrhotite and pyrite. Possibly some finely associated chalco pyrite.							
	Core lost from 34.2 to 35.0							
	35.0 to 40.0							
	5 to 10% fine pyrrhotite.	24	5.0	Nil	2.54			
	Core lost from 36.1 to 37.0							

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Bayles Bros. Co. Ltd.

SIGNED R.W. Baker

PROPERTY MILES CREEK - ENGER OPTION

HOLE NUMBER 3A

SHEET NUMBER 2

SECTION FROM 40.0 TO 62.0

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	40.0 to 45.0			Cu %	Ni %
	5 to 10% fine pyrrhotite with sparse pyrite in fine threads. At 44.2 there are vestiges of bedding suggestive of a pyroclastic rock.	25	5.0	0.13	1.83
	45.0 to 47.4				
	Less than 5% pyrrhotite in irregular distribution in the fine grained, silicified lava.	26 From 30 - 47.4 .04% Cu ; 2.01% Ni.	2.4	0.03	0.49
	Core lost from 47.4 to 50.0		17.4		
	50.0 to 55.0.				
	Between 1 and 5% fine chalcopyrite and pyrrhotite. One small bleb of pyrrhotite rimmed by chalco. indicating pyrrhotite was first.	27	5.0	0.32	0.27
	55.0 to 60.0				
	2 to 3% fine chalcopyrite and pyrrhotite.	28	5.0	0.63	0.08
	60.0 to 62.0				
	About 5% pyrrhotite and Chalcopyrite	29	2.0	0.25	0.08

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Bayles Bros. Ltd.

SIGNED R W Baker

PROPERTY Miles Creek - Enger Option

HOLE NUMBER 3A

SHEET NUMBER 3

SECTION FROM 62.0 TO 155.0

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	Core broken from 62.0 to 64.0.			Cu %	Ni %
	Core lost from 64.0 to 65.0				
	Core lost from 66.5 to 67.0	From 50 to 62			
	124.0 to 125.0	0.44% Cu; 0.16% Ni			
	130.5 to 131.5				
	Rock has a greyish to cream-coloured silicified appearance from about 180' to 192.5 as if in proximity to an acid intrusive.		12.0		
	142.5 to 145.0				
	5% fine pyrrhotite and chalcopyrite in a light grey to medium grey silicified groundmass.	30	2.5	0.37	0.38
	Core lost from 138.6 to 139.0				
	143.6 to 144.0				
	147.8 to 149.0				
	150.9 to 151.5				
	151.5 to 155.0	31	3.5	Nil	0.47
	Between 5 and 10% pyrrhotite in irregular threads				

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R.M. Baker

PROPERTY Miles Creek - Enger Option

HOLE NUMBER 3A

SHEET NUMBER 4

SECTION FROM 155.0 TO 190.0

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	Core lost from 155.0 to 156.0			Cu %	Ni %
	157.6 to 160.0				
	162.5 to 164.0				
	164.0 to 166.5				
	2 to 3% fine pyrrhotite and	32	2.5		
	chalcopyrite in irregular threads and				
	small patches.				
	Core lost from 166.5 to 168.0				
	169.6 to 170.0				
	172.4 to 174.0				
	174.3 to 175.0				
	176.5 to 177.0				
	179.4 to 180.0				
	180.8 to 182.0				
	183.3 to 183.5				
	184.2 to 185.0				
	185.2 to 187.7				
	188.7 to 190.0				
	.2 to 3% fine pyrrhotite in pale	33	2.3		
	grey altered volcanic.				

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Co. Ltd.

SIGNED R W Baker

PROPERTY MILES CREEK - ENGER OPTION

HOLE NUMBER 3A

SHEET NUMBER 5

DIAMOND DRILL RECORD

SECTION FROM 190.0 TO 217.3

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED ..... 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	192.5 to 193.5			Cu %	Ni %
	2 to 3 % pyrrhotite with sparse chalcopyrite.	34	1.0		
	Core lost from 193.5 to 199.2				
	200.5 to 202.0				
	202.5 to 203.5				
	203.5 to 205.0				
	Numerous fine fractures in banded cherty mat'l. Not more than 2% fine pyrrhotite and chalcopyrite	35	1.5		
	Core lost from 205.0 to 206.7				
	208.0 to 210.0				
	211.3 to 213.0				
	213.0 to 214.0				
	15 to 20% fine pyrrhotite in dark grey silicified volcanic. (probably altered lava)	36	1.0	0.10	0.45
	Core lost from 214.0 to 215.0				
	215.0 to 217.3				
	25% pyrrhotite with sparse chalcopyrite	37	2.3	0.37	0.52

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros.

SIGNED R.W. Baker

PROPERTY MILES CREEK - ENGER OPTION

HOLE NUMBER 3A

SHEET NUMBER 6

DIAMOND DRILL RECORD

SECTION FROM 217.3 TO 236.5

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	Core lost from 217.3 to 218.0			Cu %	Ni %
	218.0 to 219.0				
	Irregular fracturing with about	38	1.0	0.33	0.43
	30% pyrrhotite and chalcopyrite				
	replacing medium grey silicified				
	lava				
	Core lost from 219.0 to 220.0				
	220.0 to 221.0				
	20% pyrrhotite in irregular	39	1.0	0.30	0.26
	replacement patterns				
	Core lost from 221.0 to 223.0	From 26		to 221:	
	223.5 to 226.0				
	Unmineralized from 223.0 to			0.20% Cu; 0.29% Ni	
	223.5 (chips only)				
	Unmineralized from 226.0 to 227.0			8.0	
	Core lost from 227.0 to 230.0				
	Weakly mineralized from 230.0 to				
	231.8 (Dark grey silicified lava) - not				
	worthy of assay.				
	Core lost from 231.0 to 236.5				

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY MILES CREEK - ENGER OPTION

HOLE NUMBER 3A

SHEET NUMBER 7

SECTION FROM 236.5 TO 284.5

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $			
	236.5 to 238.0			Cu %	Ni %			
	Dark grey silicified lava containing	40	1.5	0.06	0.07			
	between 1 and 2% pyrrhotite							
	Core lost 238.0 to 239.6							
	From 239.6 to 240.0 chips of							
	sparsely mineralized dark grey							
	silicified lava. (Possibly a replaced							
	tuff both here and at 236.5 as							
	traces of fine banding at 50° to							
	core can be seen)							
	Short banded, cherty sections							
	at 255.0 (2") and 284.5 (2").							
	Banding at 60° to core.							
	Pale greenish-grey, soft and							
	carbonatized from 340.0 to 344.0							
	Schistosity parallel to core in this							
	section.							
	Core lost from 240.0 to 242.0							
	243.0 to 244.0							
	245.0 to 245.8							
	250.0 to 250.5							

NORTHERN MINER PRESS LIMITED, TORONTO–STOCK FORM No. 501 REV. 9/44

DRILLED BY Bayles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY MILES CREEK - ENGER OPTION

HOLE NUMBER 3A

SHEET NUMBER 8

SECTION FROM 284.5 TO 288.0

DIAMOND DRILL RECORD

LOCATION: LAT. DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING DIP

STARTED 11 5 F

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	Cu % GOLD $	Ni % SLUDGE GOLD $
	254.5 to 257.2	41	3.7	0.08	0.20
	Between 3 and 5% pyrrhotite. Sparse chalcopyrite				
	Core lost from 257.2 to 258.0				
	259.0 to 260.0				
	264.0 to 265.0				
	Two to 3% fine pyrrhotite in	42	1.0	0.06	0.07
	banded cherty material at 50° to core (Interbedded in the greenish-grey intermediate lava)				
	270.0 to 271.0				
	3" section of 30% pyrrhotite in	43	1.0	0.19	0.10
	pale grey silicified groundmass.				
	276.5 to 279.0				
	2 to 3% scattered fine pyrrhotite	44	2.5	0.05	0.14
	in groundmass similar to above.				
	Core lost from 280.5 to 282.5				
	283.0 to 288.0				
	5% fine pyrrhotite in irregular	45	5.0	0.34	0.84
	patches.				

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R W Baker

PROPERTY MILES CREEK - ENGER OPTION

HOLE NUMBER 3A

SHEET NUMBER 9

SECTION FROM 288.0 TO 326.6

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	Cu % GOLD $	Ni % SLUDGE GOLD $
	288.0 to 292.0	46	4.0	0.81	0.12
	15 to 20% fine, irregularly distributed pyrrhotite and chalcopyrite		From 283 to 292: .55% Cu; .52% Ni		
	292.0 to 293.5 Lost core.				
	295.0 to 296.7 " "				
	299.0 to 299.6 " "			9.0	
	300.0 to 302.0 " "				
	303.0 to 304.0 " "				
	305.0 to 308.0 " "				
	309.0 to 311.0 " "				
	Sections between the above lost core are badly broken and free of mineralization.				
	317.0 to 322.0				
	3 to 5% irregular fine chalcopyrite. Sparse pyrrhotite.	47	5.0		
	325.6 to 326.6				
	Small isolated patches of pyrrhotite Not more than 1%.	48	1.0		

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED A.M. Baker

PROPERTY MILES CREEK - ENGER OPTION

HOLE NUMBER 3A

SHEET NUMBER 10

SECTION FROM 326.6 TO 373

DIAMOND DRILL RECORD

LOCATION: LAT.

DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING

DIP

STARTED

COMPLETED 11 5 F

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $			
	Core lost from 329.0 to 330.0							
	334.2 to 336.0							
	337.0 to 338.0							
	From 339.0 to the end of the hole at 373.0 the rock is pale green in colour, highly carbonatized and soft and fissile. In the sections where core was recovered, there is sparse pyrite at 364.5 (small cubes) which is not worthy of assay. The above section probably represents a shear zone. Schistosity, when not masked by carbonate (white calcite) is at 10° to core.							
	Core lost from 345.0 to 349.5							
	350.0 to 353.5							
	355.0 to 363.5							
	365.0 to 366.0							
	369.0 to 371.0							
	372.0 to 373.0							

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R W Baker

PROPERTY Miles Creek - Enger Option

HOLE NUMBER 3A

SHEET NUMBER 11

SECTION FROM End TO of Hole

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED .....

COMPLETED 11 5 F

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	The sludge is light-coloured from 339.0 to 373.0 and the lost core is probably of the same composition as that recovered, i.e. volcanics which have been highly carbonatized and sheared.			Cu %	Ni %
	End of hole at 373.0				
	Sludge Samples.				
	From 200 to 210	49	10	0.08	0.37
	210 to 220	50	10	0.20	0.33
	220 to 230	51	10	0.21	0.19
	230 to 240	52	10	0.23	0.15
	240 to 250	53	10	0.20	0.13
	250 to 260	54	10	0.20	0.23
	260 to 270	55	10	0.28	0.20
	270 to 280	56	10	0.20	0.19
	280 to 290	57	10	0.27	0.32
	290 to 300	58	10	0.29	0.20
	300 to 310	59	10	0.10	0.08
	Core Recovery: 72%				

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/45

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

J. W. N. BELL, B.Sc.
J. H. WHITE, B.Sc.

For R. W. Baker

TELEPHONE 107 A
P. O. BOX 183

HAILEYBURY, ONT., June 9th 1953.

J. W. N. BELL LABORATORIES

(HAILEYBURY ASSAY OFFICES)

ASSAYERS AND ANALYTICAL CHEMISTS

Certificate of Analysis

No. 2978

We have assayed 31 samples of (20) Core (11) Sludge

Received June 6th and submitted by C. Finch - Prospectors Airways Ltd.

1616 - 44 King St. W., Toronto, Ont. with the following results:

	Sample No.	%Cu	%Ni
Core	23	Nil	2.86
	24	Nil	2.54
	25	.13	1.83
	26	.03	.49
	27	.32	.27
	28	.63	.08
	29	.25	.08
	30	.37	.38
	31	Nil	.47
	36	.10	.45
	37	.37	.52
	38	.33	.43
	39	.30	.26
	40	.06	.07
	41	.08	.20
	42	.06	.07
	43	.19	.10
	44	.05	.14
	45	.34	.84
	46	.81	.12
Sludge	49	.08	.37
	50	.20	.33
	51	.21	.19
	52	.23	.15
	53	.20	.13
	54	.20	.23
	55	.28	.20
	56	.20	.19
	57	.27	.32
	58	.29	.20
	59	.10	.08

Gold reported at $ ..... per oz.

..... Assayer

PROPERTY Miles Creek - Enger Option

HOLE NUMBER S-4

SHEET NUMBER 1

SECTION FROM 20 TO 483

DIAMOND DRILL RECORD

LOCATION: LAT. ~~9,245 N.~~ 9,259 N.
DEP. ~~10,245 E.~~ 10,239 E. (aneroid.)
ELEVATION OF COLLAR 2,743 ft
DATUM 3000 (Sta. 13 +00 on baseline)

STARTED May 23, 1953
COMPLETED June 4, 1953
ULTIMATE DEPTH 483.0
PROPOSED DEPTH To cut mineralized zone.

DIRECTION AT START: BEARING Due north
DIP 46° at collar; 48° at 483' (End)

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
0-20	Casing.						
20-483.0	Fine grained intermediate lavas light grey to dark grey; greenish tinge in some sections, from 20'-48' have numerous fine rusty fractures, small amount of fine pyrite, variolitic 56'-59' some calcite stringers at 2/c 20°-30° to core. Variolitic 161'-162' Some cherty banding 162'-163' From app. 229-249 Light grey silicious tuff Grades from 249-254 into a coarse altered lapilli tuff (?) gradational change at app. 308 to medium grey lavas or tuff(?) at 461-462 have many small black fragments in grey groundmass. Have very minor specks of pyrrhotite to end of hole. Ground very broken & poor recovery from 410 on.						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED N. Firth

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-4

SHEET NUMBER 2

SECTION FROM 20 TO 135

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	Lost core 53'-54'			Cu%	Ni%		
	87'-88' - pyrrhotite in fine stringers and blebs. 5% mineralization	60	1'	0.06	0.04		
	90.5-95.5 - pyrrhotite 5% - 10% fine stringers and blebs.	61	5'	0.40	0.02		
	95.5-98 - fine pyrrhotite - 5%	62	2.5'	0.20	0.02		
	102.5-106 - fine pyrrhotite stringers, some chalcopyrite - 10%	63	3.5'	0.13	0.02		
	Lost core - 108-5 - 110	From 114 to 134.0		.06 % Cu; 1.63% Ni ✓			
	112.5 - 113			20.0			
	114 - 117 - 3% - 5% fine pyrrhotite blebs and stringers	64	3'	0.05	0.16		
	118.5-123.5 - 5% - 10% fine pyrrhotite few fine calcite stringers	65	5'	0.10	1.58		
	123.5-125 - 5% fine pyrrhotite	66	1.5'	0.09	0.90		
	Lost core 126 - 126.5						
	127.2-132.2 - 10% - 15% fine pyrrhotite stringers	67	5	0.05	4.20		
		68	1.8'	0.05	1.08		
	132.2-134 - 3%-5% fine pyrrhotite						
	Lost core 134'-135'						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros Ltd.

SIGNED N. Firth

PROPERTY Miles Creek - Enger Option

HOLE NUMBER S-4

SHEET NUMBER 3

SECTION FROM 135 TO 222

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 8 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $	✓		
	135 - 136.5 5% pyrrhotite	69	1.5'	Cu %	Ni %			
	Lost core 144.5 - 148			0.09	0.32	✓		
	152 - 153							
	155.5 - 156.7 - 2% - 5% fine pyrrhotite	70	1.2'	0.08	0.84			
	and chalcopyrite							
	158.5 - 160 - 2% fine chalcopyrite	71	1.5'	0.53	0.08			
	and pyrrhotite							
	163 - 167' - 10% fine pyrrhotite	72	4'	0.08	1.98			
	and chalcopyrite stringers.							
	167 - 169 - 3% - 5% fine pyrrhotite	73	2'	0.11	0.92			
	172 - 177 - 10% fine pyrrhotite	74	5'	0.09	2.00			
	177 - 180.5 - 5% - 10% fine pyrrhotite	75	3.5'	0.08	1.41		✓	
	Lost core 180.5 - 183'	From 163		.07% Cu; 1.41% Ni				
	190 - 191.3	to 180.5			17.5			
	192.4 - 194 10% - 15% pyrrhotite.	76	1.6	0.09	1.23			
	200 - 201 2% fine pyrrhotite	77	1					
	203 - 208 2% - 3% fine pyrrhotite	78	5					
	Lost core 209 - 210							
	212 - 215.5							
	217 - 219.2							
	221 - 222							

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros Ltd.

SIGNED R.J. N. Firth

PROPERTY Miles Cr. - Eager Option

HOLE NUMBER S-4

SHEET NUMBER 4

SECTION FROM 222 TO 276.5

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11/5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	Lost core 223.5 - 223.8			Cu %	Ni %
	227 - 228.7				
	231 - 232.5				
	239.5 - 240.5				
	241 - 241.4				
	242 - 242.5				
	243.5 - 246.5				
	247 - 248				
	248 - 253 2% - 3% fine pyrrhotite and chalcopyrite in altered tuff(?)	79	5'		
	Lost core 253 - 254				
	255.5 - 260.5 - 5% - 10% fine pyrrhotite and chalcopyrite fine stringers and disseminations in an altered ~~tapilli~~ tuff(?)	80	5'	Nil	0.34
	260.5 - 263.5 - 2% - 5% fine pyrrhotite and chalcopyrite	81	3'	0.06	0.18
	266.5 - 271.5 1% - 2% fine disseminated pyrrhotite & chalcopyrite	82	5'		
	271.5 - 276.5 1% - 2% chalcopyrite & pyrrhotite	83	5'		

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Bayles Bros Ltd.

SIGNED N. Firth

PROPERTY Miles Cr.-Enger Option

HOLE NUMBER S-4

SHEET NUMBER 5

SECTION FROM 276.5 TO 339

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	Lost core 277 - 278.3						
	278.3 - 281 1% - 2% disseminated pyrrhotite & chalcopyrite	84	2.7'				
	285 - 288 1% - 3% disseminated pyrrhotite & chalcopyrite	85	3'				
	Lost core 288 - 290.2						
	290.2 - 292.5 1% - 3% chalcopyrite	86	2.3'				
	Lost core 292.5 - 294						
	294.5 - 295.5						
	302. - 302.5						
	309 - 311						
	311.5 - 314						
	315 - 318.3						
	319 - 321.5						
	321.5 - 323 1% - 3% pyrrhotite and chalcopyrite	87	1.5'				
	Lost core 323 - 328						
	328 - 329 - 1% - 3% pyrrhotite	88	1'				
	Lost core 329 - 332						
	333.5 - 336						
	337 - 339						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros Ltd

SIGNED N. Firth

PROPERTY Miles Cr. - Eager Option

HOLE NUMBER J - 7

SHEET NUMBER 6

DIAMOND DRILL RECORD

SECTION FROM 339 TO 388

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	339-340 2%-3% Fine pyrrhotite	89	1'	Cu %	Ni %		
	Lost core - 340 - 343						
	344 - 346						
	346-351 - 10%-15% chalcopyrite and pyrrhotite	90	5'	0.72	0.14		
	351-356 - 15%-20% - chalcopyrite and pyrrhotite	91	5'	0.46	0.06		
	356-361 - 15% chalcopyrite and pyrrhotite in dark grey volcanic	92	5'	0.48	0.03		✓
	Lost core 361-362		From 346 to 361	0.56% Cu;	0.00% Ni		
	362-365 3% chalcopyrite and pyrrhotite	93	3'		15.0		
	Lost core 365-367						
	367-369 5% pyrrhotite and chalcopyrite	94	2'				
	- Lost Core 369-374.5						
	~~374.5-376~~ - 5%-7% pyrrhotite	95	1.5'				
	Lost core 376-381.3.						
	~~381.3-383~~ 7%-10% pyrrhotite	96	1.7				
	Lost core 383 - ~~386.3~~						
	~~386.3-388~~ 10% pyrrhotite	97	1.7				

NORTHERN MINER PRESS LIMITED, TORONTO. STOCK FORM No. 901 REV. 8/44

DRILLED BY Boyles Bros Ltd.

SIGNED N. Firth

PROPERTY Miles Cr. - Eager Option

HOLE NUMBER S-4

SHEET NUMBER 7

SECTION FROM 388 TO 468.5

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $ Cu %	SLUDGE GOLD $ Ni %	
	Lost core 398.5 - 401					✓
	407.6 - 410 - 10% pyrrhotite & chalcopyrite	98	2.4	2.70	0.08	
	Lost core 410 - 414.6					
	415 - 419					✓
	419 - 421.3 10% pyrrhotite & chalcopyrite	99	2.3	2.05	0.03	
	Lost core 421.3 - 425					
	425 - 426 5% - 7% pyrrhotite & chalcopyrite	100	1	1.06	0.01	✓
	Lost core 426 - 429.3					
	430 - 434					
	435 - 444.6					
	445.5 - 449					
	450 - 454					
	455 - 456					
	457 - 460					
	462 - 463					
	464 - 465					
	466 - 467.8					
	468 - 468.5					

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros Ltd.

SIGNED N. Firth

PROPERTY Miles Creek - Enger Option

HOLE NUMBER S-4

SHEET NUMBER 8

SECTION FROM 4685 TO 483

DIAMOND DRILL RECORD

LOCATION: LAT.

DEP.

ELEVATION OF COLLAR

DATUM

DIRECTION AT START: BEARING

DIP

STARTED 11/5 F

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	Last core 470 - 476			Cu %	Ni %
	476.5 - 478.5				
	479 - 482				
	Hole finished at 483.0				
	Core Recovery: 69.6 %				
	Sludge samples: 360' to 370'	101	10	0.28	0.06
	370' to 380'	102	10	0.15	0.10
	380' to 390'	103	10	0.30	0.08
	400' to 410'	104	10	0.29	0.06
	410' to 420'	105	10	0.75	0.10
	420' to 430'	106	10	1.20	0.11

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros Ltd.

SIGNED N. Firth

J. W. N. BELL, B.Sc.
J. H. WHITE, B.Sc.

TELEPHONE 107 A
P. O. BOX 183

HAILEYBURY, ONT., June 12th 1953.

J. W. N. BELL LABORATORIES

(HAILEYBURY ASSAY OFFICES)
ASSAYERS AND ANALYTICAL CHEMISTS

Certificate of Analysis

No. 3108

We have assayed 16 samples of CORE

Received June 11th and submitted by Prospector's Airways Ltd.,
1616 - 44 King Street, Toronto, Ont. with the following results:

	Sample No.	%Cu	%Ni
CORE	63	.13	.02
	64	.05	.16
	65	.10	1.58
	66	.09	.90
	67	.05	4.20
	72	.08	1.98
	73	.11	.92
	74	.09	2.00
	75	.08	1.41
	76	.09	1.23
	90	.73	.14
	91	.46	.06
	92	.48	.03
	98	2.70	.08
	99	2.05	.03
	100	1.06	.01

R. W. Baker
Haileybury, Ont.

Duplicate

RECEIVED

Gold reported at $.....per oz.

J. H. White
Assayer

PROPERTY Miles Creek - Enger Option

HOLE NUMBER S - 5

SHEET NUMBER 1

SECTION FROM 0.0 TO 285.0

DIAMOND DRILL RECORD

LOCATION: LAT. ~~8,000 N~~ 8840 N DEP. ~~10,500 E~~ 10,475E (Subject to transit survey)

ELEVATION OF COLLAR 2,809 ft.

DATUM 3,000 ft at sta 13 on B.L.

DIRECTION AT START: BEARING Due South DIP 45°

STARTED June 8, 1953 11 SF

COMPLETED June 13, 1953

ULTIMATE DEPTH 285.0

PROPOSED DEPTH To test magnetic high-low as part of cross-section South.

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
0.0 - 38.0	Casing.						
38.0 - 285.0	Peridotite Greenish-black, fine grained. Magnesian clay odour when wet. Some greyish-white interstitial material between the serpentinized olivene grains, suggestive of former pyroxene. Serpentinized olivine constitutes between 80 and 90% of rock, thus approaching dunite in composition. The core is fairly magnetic to strongly magnetic as judged by an Alnico magnet. The magnetite is considered a secondary development which accompanies serpentinization. A few hair-like threads of incipient chrysotile fibre are present. Jointing at 45°, 30° and 60° to core.						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

PROPERTY Miles Creek - Enger Option.

HOLE NUMBER S-5

SHEET NUMBER 2

DIAMOND DRILL RECORD

SECTION FROM 0.0 TO 285.0

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	A few slip-planes contain picrolite and a white alteration which is probably hydra magnesite. Core lost from:						
	49.5 to 50.8						
	53.0 to 55.8						
	75.5 to 77.8						
	94.0 to 96.3						
	129.5 to 130.5						
	From 191.0 to 205.0 the core is broken badly with considerable associated mud, suggestive of a shear. Fissility at 40 to 45° to core.						
	From 228.0 to 285.0 the core takes on a resinous olive-green appearance, suggestive of dunite phase of the peridotite. There are a few threads of chrysotile up to 1/16" wide and 1 to 1½" long at 40° to 60° to core, in this section.						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Creek - Enger Option

HOLE NUMBER 5-5

SHEET NUMBER 3

SECTION FROM 0.0 TO 285.0

DIAMOND DRILL RECORD

LOCATION: LAT. ..... DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING ..... DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	Core lost from: 195.0 to 196.0						
	End of hole at 285.0						
	Core Recovery: 95.7%						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R M Baker

J. W. N. BELL, B.Sc.,
J. H. WHITE, B.Sc.

TELEPHONE 107 A
P. O. BOX 183

HAILEYBURY, ONT., June 17th 1953.

J. W. N. BELL LABORATORIES

(HAILEYBURY ASSAY OFFICES)
ASSAYERS AND ANALYTICAL CHEMISTS

Certificate of Analysis

No. 3201

We have assayed 15 samples of (9) Core (6) Sludge

Received June 17th and submitted by C. Finch - Prospector's Airways Ltd.
1616 - 44 King Street, W., Toronto. with the following results:

	Sample No.	%Cu	%Ni
Core	60	.06	.04
	61	.40	.02
T-6 Series	62	.20	.02
	68	.05	1.08
	69	.09	.32
	70	.08	.84
	71	.53	.08
	80	Nil	.34
	81	.06	.18
Sludge	101	.28	.06
	102	.15	.10
T-7 Series	103	.30	.08
	104	.29	.06
	105	.75	.10
	106	1.20	.11

Gold reported at $.....per oz.

J. W. N. Bell
.....Assayer

PROPERTY Mike Creek - Enger Option

HOLE NUMBER S-6

SHEET NUMBER 1

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. 9,305 N
DEP. 10,239 E

ELEVATION OF COLLAR 7,756 ft.

DATUM 3000' at Sta 13 on B.L.

DIRECTION AT START: BEARING Due South
DIP 47° at collar

STARTED June 15, 1953 11½ F

COMPLETED June 25, 1953

ULTIMATE DEPTH 386.0

PROPOSED DEPTH To complete cross-section to peridotite contact

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
			% Cu	% Ni	
0.0 - 25.0	Casing				
25.0 - 354.5	Medium grey to pale grey silicic tuff interbedded with short, irregular sections of pale green, fine grained intermediate lava. The tuff varies from fine grained to lapilli in grain size. Bedding where present in the finer material is at 25° to 30° to core.			% Cu	% Ni
	Core lost from 53.9 to 55.0				
	67.2 to 69.0				
	119.0 to 120.8				
	125.0 to 126.8				
	28.0 to 33.0: 2 to 3% small irregular pyrrhotite threads and patches. Minor associated chalcopyrite.	107	5.0	0.28	Tr.
	38.0 to 41.0: Same as above. Two small specks (1/16") of sphalerite (not worthy of assay by themselves)	108	3.0	0.29	Tr.

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED A W Baker

PROPERTY Miles Creek - Enger Option

HOLE NUMBER 5-6

SHEET NUMBER 2

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11/5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	94.5 - 98.0 : 1% fine pyrrhotite sparse chalcopyrite.	109	3.5	%Cu	%Ni		
	101.0 - 106.2 : 1 to 2% fine pyrrhotite in small patches. Sparse chalcopyrite.	110	5.2	0.10	Tr.		
	106.2 - 111.0 : about 5% irregular fine pyrrhotite. A little chalcopyrite	111	4.8	0.23	Tr.	Tr. Nil	
	111.0 - 112.0 : 1" seam of pyrrhotite and chalcopyrite at 111.5	112	1.0				
	126.8 - 127.8 : 2 - 3% pyrrhotite in small irregular patches	113	1.0				
	Core lost from 136.5 to 138.9 154.0 to 155.8 161.5 to 162.4 164.6 to 165.0						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros Ltd.

SIGNED R.M. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-6

SHEET NUMBER 3

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $ (% Cu)	SLUDGE GOLD $ (% Ni)
	159.0 - 160.0 : about 10% fine pyrrhotite uniformly distributed in small patches. Sparse chalcopyrite	114	1.0	0.09	Tr.
	From 166.0 to about 222.0, the rock has a silicified, aphanitic appearance, greyish-white to purplish grey in colour.				
	Core lost from 187.0 to 188.4				
	192.0 to 193.2				
	215.6 to 217.0				
	218.8 to 222.0				
	222.5 to 225.0				
	226.0 to 227.7				
	230.0 to 231.7				
	233.0 to 234.0				
	Core badly broken from 202.0 to 210.0				

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S - 6

SHEET NUMBER 4

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 6 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	172.0 - 177.0 : 1 to 2% fine pyrite in small irregular patches in the silicic rock. Assayed for gold only.	115	5.0				
	177.0 - 178.5 : similar to above but with sparse pyrite only. No other sulphide.	116	1.5				
	227.7 - 229.1 : about 1% pyrrhotite. Sparse pyrite in narrow threads following fractures. One ½" bleb of pyrrhotite at 228.7.	117	1.4				
	Core lost from 235.0 to 238.0						
	242.0 to 244.1						
	253.5 to 254.5						
	256.0 to 257.5						
	269.5 to 271.0						
	299.0 to 310.2						
	311.5 to 312.0						
	314.0 to 316.0						
	321.0 to 323.3						

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DRILLED BY Boyles Bros. Ltd.

SIGNED A.W. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-86

SHEET NUMBER 5

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	Core lost from 326.0 to 330.0						
	331.0 to 335.0						
	336.0 to 340.0						
	265.0 to 266.0: at 265.5 a 3/4" calcite vein at 30° to core containing a seam of reddish-brown sphalerite at one contact. Several small patches of fine-grained galena in the gangue. Two 1/4" patches chalcopyrite. Taken for Ag only.	118	1.0				
	335.0 to 336.0: 1" section of reddish-brown sphalerite with irregular contacts, at 335.3. A small seam of associated galena. Taken for Ag only.	119	1.0				

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-X6

SHEET NUMBER 6

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
354.5-386.0	Peridotite. Medium to coarse grained. Some sections contain anhedral greyish (diopsidic) pyroxene outlines which have a pearly sheen. These are poikilitic with olivene inclusions. The pyroxene, in part, has been altered to amphibole (probably actinolite) which shows further alteration to small, brassy mica flakes. There is some greyish-green material interstitial to the olivene which is probably an alteration of feldspathic material which is sometimes present in minor amounts, but not sufficiently to classify the rock a gabbro. Core lost from 344.0 to 345.5 347.2 to 349.0 353.0 to 353.9						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Byles Bros. Ltd

SIGNED A.R. Baker

PROPERTY Miles Co. - Eager Option

HOLE NUMBER 5-56

SHEET NUMBER 7

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11/5/F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	Core lost from: 367.0 to 368.6			% Cu	% Ni		
	373.0 to 374.4						
	376.0 to 377.5						
	End of hole at 386.0						
	Core Recovery: 82.6 %						
	Sludge Sample: 300' to 310'	120	10	.08	Trace		

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R. M. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-7

SHEET NUMBER 1

DIAMOND DRILL RECORD

SECTION FROM 0.0 TO

LOCATION: LAT. 9,210 N.
DEP. 10,352 E.

ELEVATION OF COLLAR 2,766

DATUM Sta. 13+00 on baseline (3000')

DIRECTION AT START: BEARING Due north
DIP 43°

STARTED June 27/53 11 S F

COMPLETED July 2/53

ULTIMATE DEPTH 301.0

PROPOSED DEPTH To cut extension of mineralization in Hole 5-4

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
0.0-45.0	Casing						
45.0-301.0	Interbedded fine grained pyroclastic and intermediate lava. The pyroclastic is medium grey to light grey & is bedded in part at 50° to core; other sections are of a fine lapilli non-bedded nature. The short irregular sections of lava are greenish in colour, and brittle like the pyroclastic. Numerous joint planes, the most common at 40° to core.						
	Core lost from 53.2 to 55.0						
	56.3 to 57.0						
	78.0 to 81.5						
	98.9 to 100.0						
	107.7 to 108.5						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R.M. Bakus

PROPERTY Mikes Cr.

HOLE NUMBER 5-7

SHEET NUMBER 2

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	70.5 to 71.5: 2 to 3% fine pyrrhotite and chalcopyrite patches	121	1.0				
	Less than 1% fine pyrrhotite from 105.5 to 106.0. Not worthy of assay. Sparse associated chalcopyrite.						
	147.5 to 148.7: 3 to 5% irregular small patches of fine pyrrhotite.	122	1.2				
	Coarse, creamy white fragmental from 113.5 to 168.5. Matrix greenish-grey in colour. Core lost from 156.5 to 158.2 162.9 to 164.0 172.0 to 173.0 181.0 to 183.0 194.9 to 196.0						

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R. M. Baker

PROPERTY Miles Cr.-Enger Option

HOLE NUMBER S-7

SHEET NUMBER 3

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	Core lost from 194.7 to 196.0			Cu%	Ni%
	197.8 to 200.0				
	204.6 to 205.0				
	209.7 to 210.0				
	219.0 to 219.8				
	201.8 to 202.7				
	184.9 to 190.0 : about 10% fine pyrrhotite & irregular sparse chalcopyrite.	123	5.1	0.16	Tr.
	190.0 to 194.7 : 15 to 20% fine pyrrhotite and chalcopyrite. A little bronze burring on core from bit will affect Cu assay.	124	4.7	1.48	Tr.
See next page for sample from 200.0 to 201.8	196.0 to 197.8 : about 5% irregular fine pyrrhotite	125	1.8	0.13	Tr.
>	202.7 to 204.6 : 2 to 3% fine irregular pyrrhotite, in bedded tuff.	126	1.9	0.05	Tr.
	205.0 to 209.7 : about 5% irregular pyrrhotite threads and small patches. Sparse chalcopyrite	127	4.7	0.14	0.07

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM NO. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-7

SHEET NUMBER 4

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH ..... Cu % Ni %

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $	
	210.0 - 215.0 : 20 to 25% occurring in irregular small patches and web-like patterns Sparse chalcopyrite and pyrite.	128	5.0	0.04	2.72	
	215.0 to 219.0 : about 15% pyrrhotite in patterns similar to above.	129	4.0	0.08	2.42	From 210 to 261.5
(From prev. page)	200.0 to 201.8 : several threads of pyrrhotite up to 1/8" width. About 10% of total rock Core lost from 219.0 to 219.8	130	1.8	0.10	0.14	261.5 / 51.5
	219.8 to 224.0 : : 10 to 15% pyrrhotite and chalco pyrite. Latter stronger than in previous samples. Core lost from 224.0 to 225.0	131	4.2	0.03	2.05	.03% Cu; 1.6% Ni
	225.0 to 226.0 2 to 3% fine pyrrhotite. Sparse chalcopyrite	132	1.0	Tr.	0.14	

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R W Baker

PROPERTY Miles Co. - Enger Option

HOLE NUMBER 5-7

SHEET NUMBER 5

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH ..... Pan Toni

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $	
	Core lost from 226.0 to 226.6					
	226.6 to 228.0:	133	1.4	Tr.	0.52	
	2 to 3% pyrrhotite.					
	Core lost from 228.0 to 229.4					
	229.4 to 233.0: 5 to 10%	134	3.6	0.06	2.48	From
	irregular patches of fine pyrrhotite					
	and chalcopyrite					
	Core lost from 233.0 to 236.6					
	236.6 to 241.6:	135	5.0	0.01	1.89	
	5 to 10% fine pyrrhotite. Core					
	badly broken. 4" calcite intersections					
	at 239.5 and 241.5.					
	241.6 to 246.6: 10 to 15% fine	136	5.0	0.04	1.87	
	pyrrhotite and chalcopyrite.					
	246.6 to 251.6: about 10% fine,	137	5.0	0.04	1.80	
	disseminated pyrrhotite and					
	chalcopyrite.					
	251.6 to 253.4: 10 to 15%	138	1.8	0.03	3.08	
	pyrrhotite & chalcopyrite in fine					
	association.					
	Core lost from 253.4 to 255.0					

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM NO. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd

SIGNED R.W. Baker

Miles Creek - Enger Option

5-7
6

115 F

			%Cu	%Ni
255.0 to 257.0	139	2.0	0.04	3.92

15 to 20% fine pyrrhotite, chalcopyrite & pyrite. The pyrite content is prominent.

Core lost from 257.0 to 260.0

260.0 to 261.5 : 5 to 10% pyrrhotite	140	1.5	0.04	1.24

From 261.5 to end of hole, the rock has a pale greenish-grey, bleached silicified appearance. Core badly broken; no mineralization.

Core lost from 261.5 to 263.0
265.0 to 268.0
269.2 to 272.0
272.5 to 277.0
282.0 to 284.0
285.0 to 292.5
293.0 to 295.0
296.0 to 300.0

End of hole at 301.0

Core Recovery : 78%

Bayles Bros. Ltd.

R.W. Baker

SLUDGE SAMPLES HOLE S-7

	Sample No.	Width	Cu%	Ni%
From 180 to 190	141	10.0		
190 to 200	142	10.0		
200.0 210	143	10.0		
210 to 220	144	10.0		
220 to 230	145	10.0		
230 to 240	146	10.0		
240 to 250	147	10.0		
250 to 260	148	10.0		
260 to 270	149	10.0		

SUPPLEMENTARY SLUDGE SAMPLE HOLE S-4

	Sample No.	Width	Cu%	Ni%
From 430 to 440	150	10.0		

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-8

SHEET NUMBER 1

SECTION FROM 0.0 TO

DIAMOND DRILL RECORD

LOCATION: LAT. 9,308 N, DEP. 10,522 E } subject to transit survey

ELEVATION OF COLLAR 2,849

DATUM 3000' at ch. 13+00 on baseline.

DIRECTION AT START: BEARING Due north, DIP 44° at collar

STARTED July 4, 1953 11S F

COMPLETED July 15, 1953

ULTIMATE DEPTH 429.0

PROPOSED DEPTH Through self-potential anomaly

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
0.0 - 27.0	Casing						
27.0 - 429.0	Pyroclastic containing short irregular sections of pale grey intermediate lava. The pyroclastic varies from a fine-grained type which sometimes shows bedding at 45° to the core, to a coarse, unstratified, lapilli type. The fragments of the lapilli have cloudy outlines suggestive of recrystallization. A few irregular calcite stringers are present.						
	40.5 to 41.5: A 1" bleb of fine pyrrhotite at 41.0	151	1.0				
	Core lost from 42.5 to 43.0						
	65.5 to 66.5: From 65.8 to 66.0, dark graphitic material showing irregular banding and containing about 20% pyrite.	152	1.0				

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-8

SHEET NUMBER 2

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED ..... 115 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $	
	At 88.1 one 1/4" stringer of pyrrhotite at 40° to core. Section not worthy of assay.			Cu %	Ni %	
	92.2 to 93.2 Several small, irregular patches of pyrrhotite rimmed by chalcopyrite.	153	1.0			
	103.2 to 104.4 15 to 20% irregular fine pyrrhotite.	154	1.2	0.30	0.04	
	107.0 to 110.7 2 to 3% fine pyrite and pyrrhotite distributed in irregular small patches and threads.	155	3.7	0.24	Tr.	
	110.7 to 113.8 About 90% fine pyrrhotite. A little associated chalcopyrite and pyrite.	156	3.1	1.14	Tr.	0.98 Cu+Ni Tr. Ni 7.8
	113.8 to 118.5 : about 80% pyrrhotite as above. Massive section from 115.2 to 115.5.	157	4.7	0.88	Tr.	

NORTHERN MINER PRESS LIMITED, TORONTO—STOCK FORM No. 501 REV. 9/44

DRILLED BY Boyles Bros.

SIGNED R.M. Baker

PROPERTY Miles Cr. - Eager Option

HOLE NUMBER S-8

SHEET NUMBER 3

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 115 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	There is a sharp break in the pyrrhotite content at 118.5.			Cu %	Ni %
	118.5 to 119.5	158	1.0	0.08	Tr.
	A few scattered patches of pyrite. One ½" irregular patch of pyrrhotite rimmed by the pyrite.				
	128.0 to 129.0:	159	1.0	0.84	Tr
	One 2" section of irregular pyrrhotite - chalcopyrite threads.				
	Core lost from 133 to 134.0				
	135.4 to 136.0				
	138.0 to 142.0				
	143.0 to 144.3				
	165.0 to 166.4				
	179.6 to 180.0				
	191.8 to 193.0				
	193.5 to 196.5				

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DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-8

SHEET NUMBER 4

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED ..... 115 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	Cu % / Ni % / SLUDGE GOLD $
	157.2 to 160.9 : about 5% irregular patches of pyrrhotite up to 1/4" in size. These are rimmed with narrow edges of chalcopyrite in some cases.	160	3.7	0.55	Nil
	171.0 to 172.0 About 5% pyrrhotite and chalcopyrite as above.	161	1.0	0.08	Tr.
	199.0 to 200.0 Irregular pea-sized patches of pyrrhotite and chalcopyrite totalling about 10%.	162	1.0	1.09	0.03
	Core lost from 203.5 to 204.4 One 1/2" patch of pyrrhotite and chalcopyrite at 204.8. Not worthy of assay. Core lost from 208.7 to 213.0.				

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SIGNED R.W. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-0

SHEET NUMBER 5

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 115 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $
	213.0 to 214.0: One 1" of irregular chalcopyrite & minor pyrrhotite Core lost from 214.0 to 215.0 215.5 to 217.0 219.7 to 221.7 223.0 to 224.6	163	1.0		
	226.0 to 230.0: About 10% pyrite, pyrrhotite and chalcopyrite in web-like patterns.	164	4.0		
	From 251.0 to 327.0, the rock contains angular outlines of pinkish grey aphanitic material suggestive of a flow breccia. The matrix has a variolitic appearance, containing rounded, greyish white forms up to ¼" in diameter.			Au	
	253.0 to 254.0 A little pyrite in the interstices of the rock noted above. For Au.	165	1.0	Nil	

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DRILLED BY Boyles Bros. Ltd.

SIGNED A.W. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-8

SHEET NUMBER 6

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $ Au oz/ton	SLUDGE GOLD $ Ni %	Au / Ni
	257.5 to 261.5:	166	4.0			Nil
	Scattered threads and small patches of pyrite as in previous sample. For Au only.					
	A few specks of pyrrhotite from 275.5 to 276.0. Not worthy of assay.					
	Core lost from 286.5 to 288.0					
	284.2 to 285.0					
	309.0 to 310.2					
	Core broken from 305.5 309.0					
	321.5 to 323.1	167	1.6			
	One 1" patch pyrrhotite at 321.8. Scattered threads of pyrrhotite centred with pyrite in remainder					
	326.5 to 329.5:	168	3.0	.04	.44	
	About 5% pyrrhotite in irregular threads and small patches					

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DRILLED BY Beyks Bros. Ltd.

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PROPERTY Miles Cr - Enger Option

HOLE NUMBER S-8

SHEET NUMBER 7

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $ Cu %	SLUDGE GOLD $ Ni %
	329.5 to 333.2	169	3.7	.35	.30
	2 to 3% fine pyrrhotite and pyrite threads.				
	Core lost from 333.2 to 334.0				
	334.0 to 336.8	170	2.8	.01	.29
	2 to 3% fine pyrrhotite and pyrite as in previous sample				
	Core lost from 336.8 to 338.0				
	338.0 to 343.0	171	5.0	.08	.10
	About 20% fine pyrrhotite in irregular patches. Fine tuff bedding at 50° to core.				
	343.0 to 348.0	172	5.0	.29	Trace
	Between 20 and 30% fine pyrrhotite in irregular web-like patches. One ½" stringer of white carbonate at 45° to core at 347.5.				
	348.0 to 350.0	173	2.0	.39	Trace
	About 5% pyrrhotite in irregular patterns				

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DRILLED BY Boyles Bros. Ltd

SIGNED [signature]

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-8

SHEET NUMBER 8

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11 S F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD Cu %	SLUDGE GOLD Ni %
	Small patches of pyrrhotite at 359.5 and 361.1 Not worthy of assay				
	365.0 to 367.2				
	Between 5 and 10% pyrrhotite occurring in three patches at 365.2, 366.0 and 366.3.	174	2.2	.24	Trace
	At 367.5 3 narrow seams of pyrrhotite at 50° to core parallel to bedding. Not worthy of assay.				
	374.4 to 378.1	175	3.7		
	Irregular small patches of pyrrhotite and pyrite, in some cases roughly following the bedding. Sparse chalcopyrite				
	378.7 to 381.4	176	2.7	.18	.10
	3 to 5% fine pyrrhotite. One irregular 1" pod at 381.2				
	Core lost from 382.7 to 384.0				

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PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-8

SHEET NUMBER 9

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11/5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $ Cu %	SLUDGE GOLD $ Ni %
	Core lost from 384.8 to 386.0	177	5.4		
	386.0 to 391.4	↓			
	Several small patches of pyrrhotite and chalcopyrite. (2 to 3% of total.) Core badly broken over this distance.				
	Core lost from 391.4 to 393.0				
	393.0 to 394.0	178	1.0		
	From 393.1 to 393.3, some disseminated pyrrhotite and chalcopyrite. Remainder of core badly broken.				
	Core lost from 394.0 to 395.8				
	395.8 to 397.0	179	1.2	.41	Trace
	Between 5 and 10% fine pyrrhotite, chalcopyrite and pyrite. (Irregular distribution)				
	Core lost from 397.0 to 402.7				
	Core badly broken from 402.7 to 404.0. No mineralization apparent.				
	Core lost from 404.0 to 408.8				

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PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-8

SHEET NUMBER 10

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11.5.F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	From 408.8 to 410 core badly broken. No evidence of mineralization.						
	Core lost from 410.0 to 415.0						
	From 415.0 to 416.0 core badly broken. No evidence of mineralization.						
	Core lost from 416.0 to 421.0						
	From 421.0 to 422.4, core badly broken. Numerous carbonate threads. Small specks of mauve-coloured leucozene (?). No sulphide.						
	Core lost from 422.4 to 429.0						
	End of hole at 429.0						
	The section from 397.0 to end. probably represents the same shear zone as that cut in the bottom of Hole S-3A. No evidence of sulphide mineralization either from sludge (colour) or core recovered.						

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DRILLED BY Boyles Bros. Ltd.

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PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-8

SHEET NUMBER 11

SECTION FROM ..... TO .....

DIAMOND DRILL RECORD

LOCATION: LAT. .....
DEP. .....

ELEVATION OF COLLAR .....

DATUM .....

DIRECTION AT START: BEARING .....
DIP .....

STARTED 11/5 F

COMPLETED .....

ULTIMATE DEPTH .....

PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD $	SLUDGE GOLD $		
	The hole caved slightly at 414.0. In the section of poor core recovery at the bottom of the hole, the drill did not work on pressure; a soft, highly-altered zone is indicated. Core recovery: 83.6%						

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DRILLED BY Bayles Bros. Ltd.

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