

MILES CREEK - ENGER OPTION

D.D.H. Log Duplicates.

Holes 5-9 to 14 inc.

Arvella
madsen

Duplicates
from the
property.

006774

PROPERTY MILES CREEK - ENGER OPTION

HOLE NUMBER S-9
 SHEET NUMBER 1
 SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. 9,405 N.
 DEP. 10,700 E.
 ELEVATION OF COLLAR 2,916
 DATUM 3000' at sta. 13 on centreline
 DIRECTION AT START: BEARING Due north
 DIP 41° at collar

STARTED July 17, 1953 115 F
 COMPLETED July 26, 1953
 ULTIMATE DEPTH 358.5
 PROPOSED DEPTH To cross-section self-potential anomaly on line 7

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0 - 35.0	Casing				
35.0 - 358.5	Intermediate lava interbedded with short irregular sections of pyroclastic. Colour varies from creamy-white matrix containing small grey fragments to a pale grey aphanitic appearance. Dip of the pyroclastic bedding (when present) is about 50° to core. Core lost from 36.5 to 38.0 47.5 to 48.2 59.0 to 59.5 69.0 to 70.0 About 10% pyrrhotite and chalcopyrite - fine grained in irregular patches. Core lost from 75.5 to 77.0 About 50% of the core is badly broken from 73.0 to 139.0				
		185	1.0		

DRILLED BY Boyles Bros. Ltd.

SIGNED R.B. [Signature]

PROPERTY MILES CREEK - ENGER OPTION

HOLE NUMBER S-9

SHEET NUMBER 2

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

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 \$	SLUDGE GOLD \$
<u>112.4 - 113.7</u>	<u>2 to 3% fine pyrrhotite in small (1/16" to 1/8") irregular patches.</u>	<u>186</u>	<u>1.3</u>		
<u>141.0 - 142.5</u>	<u>Between 5 and 10% pyrrhotite in irregular patterns</u>	<u>187</u>	<u>1.5</u>		
<u>144.0 - 145.0</u>	<u>About 5% pyrrhotite. A little chalcopyrite following fractures.</u>	<u>188</u>	<u>1.0</u>		
<u>172.5 - 174.0</u>	<u>Several small patches of pyrrhotite. Not more than 3%</u>	<u>189</u>	<u>1.5</u>		
	<u>From 186.0 to 198.0 the rock has a grayish-black basaltic appearance, but is brittle and quite hard.</u>				

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 5-9

SHEET NUMBER 3

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

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 %	SLUDGE GOLD %
<u>185.0 - 186.0</u>		<u>190</u>	<u>1.0</u>	<u>0.16</u>	<u>0.36</u>
	About 10% pyrrhotite in irregular threads and patches				
<u>188.0 - 189.0</u>		<u>191</u>	<u>1.0</u>		
	One 1" section of 50% pyrrhotite and chalcopryrite at 188.5. Core lost from 190.0 to 191.5				
<u>193.5 to 198.0</u>		<u>192</u>	<u>4.5</u>	<u>0.28</u>	<u>0.25</u>
	5% pyrrhotite and about 2% pyrite and chalcopryrite in irregular distribution. Core lost from 198.0 to 199.0 200.0 to 201.0				
<u>203.0 to 204.0</u>		<u>193</u>	<u>1.0</u>		
	3 to 5% irregular pyrrhotite and chalcopryrite. Bedding at 50° to core Core lost from 207.0 to 208.0				
<u>209.0 - 210.0</u>		<u>194</u>	<u>1.0</u>	<u>0.08</u>	<u>0.23</u>
	10% pyrrhotite in fern-like threads and patches.				

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY MILES CREEK - Enger Option

HOLE NUMBER 5-9

SHEET NUMBER 4

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

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 %	SLUDGE GOLD %
	<u>210.0 to 215.0</u>	195	5.0	0.11	0.32
	15 to 20% pyrrhotite in irregular patches and threads. A little associated chalcopyrite (fringing the pyrrhotite)				
	<u>215.0 to 220.0</u>	196	5.0	0.48	0.12
	Same as above - about 15% sulphide				
	<u>220.0 to 222.2</u>	197	2.2	0.45	0.05
	10% fine pyrrhotite				
	Core lost from 222.2 to 223.0				
	225.0 to 226.0				
	227.0 to 228.0				
	230.0 to 232.0				
	233.0 to 240.0				
	241.0 to 242.6				
	Between the above sections of lost core, the rock is badly broken. It is greyish-black in colour but quite brittle and hard. It is siliceous - possibly a dark chert deposited with the pyrrhotite.				

(No sulphide present)

DRILLED BY Boyles Bros. Ltd.

SIGNED R. Behm

PROPERTY MILES CREEK - Eger Option

HOLE NUMBER S-9

SHEET NUMBER 5

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

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 <u>70 Au</u>	SLUDGE GOLD <u>70 Au</u>
	Core lost from 245.0 to 250.0				
	253.0 to 254.5				
	255.8 to 257.0				
	The core recovered from 250.0 to 259.5 is greyish-black, aphanitic suggestive of basalt. There is a little primary pyrite present in this rock. The contact at 259.5 is not an intrusive one i.e. no alteration is present (or assimilation)				
	<u>259.5 to 263.0</u>	198	3.5 ✓	0.52	0.83
	30 to 40% pyrrhotite in patches up to 1" diameter. From 260.0 to 261.5 massive pyrrhotite.				
	<u>265.0 to 267.6</u>	199	2.6 ✓	0.31	0.20
	About 20% pyrrhotite. One 1" bleb at 265.5				
	Core lost from 267.6 to 268.0				
	<u>268.0 to 269.8</u>	200	1.8 ✓	0.42	0.42
	One 2" section pyrrhotite at 269.0. Sp. pyrrhotite in remainder				

0.33
 0.41
 10.23
 Au

7.9
 0.43

[Signature]

DRILLED BY Boyles Bros Ltd.

SIGNED _____

PROPERTY MILES CREEK - Eger Option

HOLE NUMBER 5-9
 SHEET NUMBER 6
 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 \$		
	Core lost from 269.8 to 271.0			<u>0.00</u>	<u>0.00</u>		
	272.0 to 277.0	201	5.0	0.15	0.12		
	About 10% pyrrhotite in irregular patches and threads						
	277.0 to 282.0						
	Between 5 and 10% pyrrhotite	202	5.0	0.35	0.33		
	One 1" patch at 280.5						
	282.0 to 287.0	203	5.0	0.77	0.41		
	About 20% pyrrhotite in irregular threads, and patches up 1 1/2"						
	Sparse chalcoppyrite.						
	287.0 to 292.0	204	5.0	1.48	0.33		
	Between 15 and 20% fine pyrrhotite						
	Two 2" blebs at 288.1 and 289.5. About 5% chalco. (fine)		10.0				
	Bedding, when not obscured by sulphide, at 60° to core.						
	292.0 to 297.0	205	5.0	0.84	0.06		
	About 15% irregular pyrrhotite-chalcoppyrite threads, widening to patches in some cases.		15.0				

} 1.03
 } 0.77
 } 1.80
 } 10.0

DRILLED BY Boyles Bros. Ltd.

SIGNED RWBaker

PROPERTY MILES CREEK - Enger Option

HOLE NUMBER S-9
 SHEET NUMBER 7
 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 % of Cu	SLUDGE GOLD % of Ni
<u>297.0 to 302.0</u>	<u>About 10% pyrrhotite, irregularly distributed. A little associated chalcopryrite and pyrite.</u>	<u>206</u>	<u>5.0</u>	<u>0.55</u>	<u>0.02</u>
<u>302.0 to 307.0</u>	<u>Scattered fine pyrrhotite and chalcopryrite - about 10%</u>	<u>207</u>	<u>5.0</u>	<u>0.70</u>	<u>0.01</u>
<u>307.0 to 312.0</u>	<u>About 5% fine pyrrhotite and chalcopryrite. Fine threads following bedding in some cases - at 60° to core. The chalco is plated around the pyrrhotite indicating later introduction.</u>	<u>208</u>	<u>5.0</u>	<u>0.30</u>	<u>0.02</u>
<u>312.0 to 317.0</u>	<u>3 to 5% fine pyrrhotite. Sparse chalcopryrite</u>	<u>209</u>	<u>5.0</u>	<u>0.31</u>	<u>0.04</u>
<u>317.0 to 322.0</u>	<u>5 to 10% pyrrhotite with a little associated chalcopryrite</u>	<u>210</u>	<u>5.0</u>	<u>0.24</u>	<u>0.08</u>

DRILLED BY Boyles Bros Ltd.

SIGNED RWBaker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-10

SHEET NUMBER 1

DIAMOND DRILL RECORD

SECTION FROM AX Core TO

LOCATION: LAT. 9,678 N
 DEP. 10,072 E
 ELEVATION OF COLLAR 2701
 DATUM 3000' (Sta 13 on baseline)
 BEARING S 15° W
 DIRECTION AT START: DIP 44° at collar

} Subject
to transit
survey.

STARTED August 4, 1953 USF
 COMPLETED August 17, 1953
 ULTIMATE DEPTH 496.0
 PROPOSED DEPTH 500.0

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0-20.0	Casing				
20.0-496.0	Interbedded medium to light grey lava and fine grained pyroclastic. Bedding of latter at 15° to core.				
	Core lost from 25.0 to 25.8				
	30.0 to 35.0	211	5.0		
	Several irregular threads of pyrrhotite and pyrite, totalling about 5%. White calcite from 32.0 to 32.2.				
	Numerous calcite stringers from 35.0 to 38.5.				
	Core lost from 38.5 to 40.0				
	40.0 to 45.0	212	5.0	0.36	0.12
	15% pyrrhotite in irregular patches up to 1" diameter. A little chalcopyrite fringing the pyrrhotite in some cases.				

DRILLED BY Bayles Bros. Ltd.

SIGNED R. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-10

SHEET NUMBER 2

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 \$	SLUDGE GOLD \$	
45.0 to 47.6	About 15% fine pyrrhotite in dendritic patterns.	213	2.6	40 Gr 1.30	90 wt. 0.22	✓
Core lost from 47.6 to 49.0		214	3.0			
49.0 to 52.0	3 to 5% fine pyrrhotite. Sparse chalcopyrite					
Core lost from 56.6 to 57.0						
58.5 to 58.9						
62.2 to 63.0						
63.8 to 64.0						
64.5 to 65.0						
71.0 to 72.0						
72.8 to 73.0						
75.0 to 79.8						
81.0 to 84.2						
87.5 to 88.3						
No evidence of sulphide mineralization between the above sections of lost core. Core badly broken. Soft, and schistose at 86.0 and 89.0.						

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

DRILLED BY

Boyles Bros. Ltd.

SIGNED

RWBaker

PROPERTY Miles Cr. - Einger Option

HOLE NUMBER 5-10

SHEET NUMBER 3

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

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 \$	SLUDGE GOLD \$
	From 93.5 to 95.0 there are rounded pale grey granths in the rock, suggestive of variclitic lava (Huronite of the shield?)			90lu	70N:
	<u>92.0 to 97.0</u>	215	5.0	0.29	0.12
	About 10% irregular fine pyrrhotite. A little associated Chalcopyrite				
	<u>97.0 to 102.0</u>	216	5.0	0.33	0.21
	Same as above. Some incipient banding at 20° to core in pale greenish-grey rock				
	Core lost from 103.0 to 104.5				
	Core broken from 104.5 to 107.0				
	Core lost from 107.0 to 108.5				
	<u>110.0 to 113.5</u>	217	3.5		
	3 to 5% fine pyrrhotite in irregular threads at about 20° to core				
	One small patch of pyrrhotite at 117.0. Not worthy of assay.				

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

DRILLED BY Boyles Bros. Ltd.

SIGNED RWBaker

PROPERTY Mike's Cr. - Fager Option

HOLE NUMBER 5-10

SHEET NUMBER 4

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT _____
 DEP. _____

STARTED _____ 115F

ELEVATION OF COLLAR _____

COMPLETED _____

DATUM _____

ULTIMATE DEPTH _____

DIRECTION AT START: BEARING _____
 DIP _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	Core lost from 117.6 to 118.5	218	5.0	0.00	0.00
	118.5 to 123.5 Scattered specks of pyrrhotite and chalcopyrite totalling not more than 5%.				
	123.5 to 128.5 Between 5 and 10% fine pyrrhotite. Sparse chalcopyrite.	219	5.0		
	128.5 to 133.0 Scattered pyrrhotite - about 5%. Banding, in part, at 20° to core	220	4.5		
	133.0 to 138.0 Scattered threads of pyrrhotite totalling about 5%	221	5.0		
	Core lost from 139.6 to 141.0 A small patch of pyrrhotite at 141.2. - not worthy of assay.				
	Core lost from 141.6 to 142.0				
	142.0 to 145.0 10% pyrrhotite in small patches.	222	3.0	0.10	Tr.

DRILLED BY Bayles Bros. Ltd.

SIGNED RWBaker

PROPERTY Miles Cr - Enger Option

HOLE NUMBER J-10

SHEET NUMBER 5

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 %	SLUDGE GOLD
<u>145.0 to 150.0</u>		<u>223</u>	<u>5.0</u>	<u>0.11</u>	<u>Tr.</u>
	<u>Between 5 and 10% pyrrhotite in irregular threads and small patches.</u>				
<u>150.0 to 152.0</u>		<u>224</u>	<u>2.0</u>	<u>0.25</u>	<u>0.03</u>
	<u>Fine intergrowths of pyrrhotite and chalcopyrite totalling about 15%.</u>				
	<u>Core lost from 152.0 to 152.5</u>				
	<u>At 155.0 extending to 161.8 there is a dark, slaty horizon containing a little fine pyrite.</u>				
	<u>Core lost from 155.8 to 157.0</u>				
	<u>158.0 to 158.6</u>				
	<u>159.0 to 160.0</u>				
<u>161.8 to 164.5</u>		<u>225</u>	<u>2.7</u>	<u>0.07</u>	<u>0.02</u>
	<u>Finely disseminated pyrrhotite, chalcopyrite and pyrite - about 10% total</u>				

DRILLED BY Boyles Bros Ltd.

SIGNED RW Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 2-10

SHEET NUMBER 6

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____

STARTED _____ 11.5 P

ELEVATION OF COLLAR _____

COMPLETED _____

DATUM _____

ULTIMATE DEPTH _____

DIRECTION AT START: BEARING _____
 DIP _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	Core lost from 164.5 to 165.0				
	166.0 to 168.7				
	169.0 to 169.3				
	171.0 to 172.0				
	172.5 to 174.0				
	176.5 to 178.0				
	179.5 to 180.0				
	182.5 to 183.6				
	184.0 to 185.0				
	186.0 to 187.3				
	189.5 to 190.8				
	192.0 to 192.4				
	193.5 to 195.0				
	In the intervening sections of the above lost core, the core is badly broken. At 170.6 there is a small patch of pyrrhotite, and also at 182.0, these not worthy of assay. The core recovered indicates that the section does not merit the assaying of the sludges.				

DRILLED BY Boyles Bros. Ltd.

SIGNED RWBaker

PROPERTY Miles Cr. - Eger Option

HOLE NUMBER 5-10
 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 196.0 to 200.0			% Cu	% Ni
	195.0 to 195.6				
	201.0 to 201.9				
	244.3 to 245.0				
	260.0 to 266.5				
	The above section from 195.0 to 300.0 is mainly intermediate lava with a little associated pyroclastic. There are numerous fine carbonate (calcite) threads in core recovered.				
	287.0 to 288.5	226	1.5	0.69	Tr.
	15% fine pyrrhotite and pyrite				
	Core lost from 290.0 to 290.5.				
	305.3 to 315.0				
	316.0 to 320.0				
	323.7 to 325.6				
	327.7 to 328.0				
	329.0 to 333.0				
	The core recovered in the above section is pale grey, highly carbonized & soft. Indicating a probable shear zone				

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr - Eger Option

HOLE NUMBER S-10

SHEET NUMBER B

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 \$
333.0 to 338.0	About 5% fine pyrrhotite and pyrite.	227	5.0		
Core lost from 340.0 to 344.0					
344.0 to 348.0	Scattered fine pyrite threads.	228	4.0		
For Au only					
Core lost from 349.0 to 353.6					
355.0 to 358.0					
359.0 to 367.3					
372.0 to 374.0					
376.8 to 380.0					
382.3 to 383.0					
387.5 to 390.0					
391.5 to 394.0					
400.0 to 405.0					
In the intervening sections to the above lost core, the rock is pale greenish-grey intermediate lava containing numerous carbonate threads.					
Weak pyrite present - not worthy of assay.					

DRILLED BY Boyles Bros. Ltd.

SIGNED RWB

PROPERTY Miles Cr. - Eger Option

HOLE NUMBER 5-10

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 \$	SLUDGE GOLD \$
	From 400.0 to the end of the hole at 496.0 there is high core loss. The core recovered is badly broken indicating that the hole entered a zone of intense fracturing. Core lost from 412.0 to 417.2 419.0 to 420.0 421.5 to 430.0			70 Cu	70 Ni
	<u>431.0 to 433.0</u> About 5% pyrrhotite threads. Some associated chalcopyrite. Core lost from 433.0 to 433.5 434.2 to 435.0 436.6 to 440.0 441.0 to 445.0 446.2 to 450.0 451.0 to 456.0 459.3 to 462.0 462.8 to 471.8 472.0 to 475.0	229	2.0	0.09	Tr.

DRILLED BY Boyles Bros Ltd

SIGNED AW Baker

PROPERTY Miles Cr - Fager Option

HOLE NUMBER 5-10

SHEET NUMBER 10

SECTION FROM TO

DIAMOND DRILL RECORD

LOCATION: LAT.....
 DEP.....
 ELEVATION OF COLLAR.....
 DATUM.....
 DIRECTION AT START: BEARING.....
 DIP.....

STARTED 115F
 COMPLETED.....
 ULTIMATE DEPTH.....
 PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	Core lost from 476.0 to 485.0		%Cu	%Ni	
	488.0 to 496.0				
	The core recovered, from the above section is highly fractured, very siliceous and pale grey in colour				
	There is no indication from it that sulphide mineralization might be present in the lost sections				
	<u>End of hole at 496.0</u>				
	<u>Core Recovery : 64.4%</u>				
	Sludge Samples: 420' to 430'	230	0.13	0.03	
	430' to 440'	231	0.11	0.03	

DRILLED BY

SIGNED

PROPERTY Miles Cr - Enger Option

HOLE NUMBER 5-11
 SHEET NUMBER 1
 SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. 9,678 N.
 DEP. 10,070 E. } subject to
 ELEVATION OF COLLAR 2701 } transit survey.
 DATUM 3000' at Sta 13 on baseline
 DIRECTION AT START: BEARING S 45° W
 DIP 46° at collar

STARTED August 19, 1953 115F
 COMPLETED August 26, 1953
 ULTIMATE DEPTH 496.0
 PROPOSED DEPTH To explore zone beneath river

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0 - 21.0	Casing			<u>0.0</u>	<u>0.0</u>
21.0 - 496.0	Medium grey, fine grained intermediate lava containing short irregular sections of fine pyroclastic. Bedding in latter at 10° to parallel to core.				
25.7 to 29.5	Irregular patches of pyrrhotite, pyrite and chalcopyrite totalling about 15%.	232	3.8	0.58	Tr
30.0 to 35.0	Core lost from 29.5 to 30.0	233	5.0	0.97	Tr
35.0 to 40.0	5 to 10% pyrrhotite sparse pyrite and chalcopyrite.	234	5.0	0.71	Tr
40.0 to 45.0	5% pyrrhotite. Sparse chalcopyrite.	235	5.0	0.66	Tr
	5% pyrrhotite with some associated chalcopyrite.				

DRILLED BY Boyles Bros Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr. - Eger Option

HOLE NUMBER 5-11

SHEET NUMBER 2

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____

STARTED _____ 11.5 F

ELEVATION OF COLLAR _____

COMPLETED _____

DATUM _____

ULTIMATE DEPTH _____

DIRECTION AT START: BEARING _____
 DIP _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD	SLUDGE GOLD
<u>45.0 to 49.0</u>		<u>236</u>	<u>4.0</u>	<u>0.69</u>	<u>0.05</u>
	<u>5% pyrrhotite. A little associated chalcopyrite.</u>				
	<u>Core lost from 48.0 to 49.0</u>				
	<u>50.0 to 54.0</u>				
	<u>At 55.2, small patch of fine chalcopyrite. Not worthy of assay.</u>				
<u>58.0 to 62.0</u>		<u>237</u>	<u>4.0</u>	<u>0.94</u>	<u>0.12</u>
	<u>5% fine pyrite, pyrrhotite. Sparse chalcopyrite.</u>				
	<u>Core lost from 62.0 to 64.2</u>				
<u>65.0 to 66.8</u>		<u>238</u>	<u>1.8</u>	<u>0.70</u>	<u>0.17</u>
	<u>5% fine pyrrhotite & chalcopyrite.</u>				
	<u>Core lost from 66.8 to 70.0</u>				
<u>70.0 to 75.0</u>		<u>239</u>	<u>5.0</u>	<u>0.67</u>	<u>0.06</u>
	<u>Irregular small patches of pyrrhotite and chalcopyrite totaling about 5%</u>				

DRILLED BY Boyle's Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr - Enger Option

HOLE NUMBER S-11

SHEET NUMBER 3

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 ^{g/ton}	SLUDGE GOLD ^{g/ton}
<u>75.0 to 80.0</u>		240	5.0	0.17	0.06
	5% fine pyrrhotite & chalcopyrite				
<u>80.0 to 85.0</u>		241	5.0	0.15	0.04
	Between 5 & 10% pyrrhotite. Sparse chalcopyrite.				
<u>85.0 to 90.0</u>		242	5.0	0.15	0.03
	Between 10 and 15% fine pyrrhotite. Sparse chalcopyrite.				
<u>90.0 to 95.0</u>		243	5.0	0.21	0.02
	5% pyrrhotite and chalcopyrite. Banding at 10° to core.				
<u>95.0 to 100.0</u>		244	5.0	0.36	0.03
	5% pyrrhotite and chalcopyrite				
<u>100.0 to 105.0</u>		245	5.0	0.12	0.03
	10% fine pyrrhotite. Sparse chalcopyrite.				
<u>105.0 to 110.0</u>		246	5.0	0.20	0.03
	10% fine pyrrhotite. A little chalcopyrite				

DRILLED BY Boyles Bros. Ltd.

SIGNED R. Baker

PROPERTY Miles Cr - Enger Option

HOLE NUMBER 5-11
 SHEET NUMBER 4
 SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT _____
 DEP _____
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____ 115 P
 COMPLETED _____
 ULTIMATE DEPTH _____
 PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD ^{g/ton}	SLUDGE GOLD ^{g/ton}
<u>110.0 to 115.0</u>	<u>10 to 15% fine fine pyrrhotite in threads controlled by bedding in some cases (at 10' to core)</u>	<u>247</u>	<u>5.0</u>	<u>0.21</u>	<u>0.08</u>
<u>115.0 to 120.0</u>	<u>Irregular threads and small patches of pyrrhotite - about 10%</u>	<u>248</u>	<u>5.0</u>	<u>0.15</u>	<u>0.04</u>
	<u>Core lost from 120.0 to 121.0'</u>				
<u>121.0 to 122.7</u>	<u>10% fine pyrrhotite</u>	<u>249</u>	<u>1.7</u>	<u>0.20</u>	<u>0.08</u>
	<u>Core lost from 122.7 to 123.0</u>				
<u>123.0 to 128.0</u>	<u>Between 10 and 15% fine pyrrhotite</u>	<u>250</u>	<u>5.0</u>	<u>0.51</u>	<u>0.04</u>
	<u>A little chalcopyrite.</u>				
<u>128.0 to 133.6</u>	<u>20% fine pyrrhotite</u>	<u>251</u>	<u>5.0</u>	<u>0.71</u>	<u>0.12</u>
	<u>A little chalcopyrite</u>				
<u>133.0 to 138.0</u>	<u>80% to massive pyrrhotite</u>	<u>252</u>	<u>5.0</u>	<u>0.25</u>	<u>0.45</u>
	<u>A little associated chalcopyrite</u>				

DRILLED BY Boyles Bros. Ltd.

SIGNED R. Baker

PROPERTY Miles Co. - Fager Option.

HOLE NUMBER 5-11
 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'S % Au	SLUDGE % Ni
<u>138.0 to 143.0</u>		<u>253</u>	<u>5.0</u>	<u>0.41</u>	<u>0.05</u>
	<u>Between 15 and 20% fine pyrrhotite. sparse Chalcopyrite</u>				
<u>143.0 to 148.0</u>					
	<u>10% fine pyrrhotite</u>	<u>254</u>	<u>5.0</u>	<u>0.13</u>	<u>0.05</u>
<u>148.0 to 153.0</u>					
	<u>Between 5 and 10% pyrrhotite</u>	<u>255</u>	<u>5.0</u>	<u>0.12</u>	<u>0.06</u>
<u>153.0 to 158.0</u>					
	<u>Between 5 and 10% fine pyrrhotite.</u>	<u>256</u>	<u>5.0</u>	<u>0.17</u>	<u>0.03</u>
<u>158.0 to 163.0</u>					
	<u>Scattered pyrrhotite in irregular threads and small patches - about 15% banding at 0° to core</u>	<u>257</u>	<u>5.0</u>	<u>0.24</u>	<u>0.01</u>
<u>163.0 to 164.0</u>	<u>- Post core.</u>				
<u>164.0 to 169.0</u>					
	<u>Between 15 and 20% fine pyrrhotite and chalcopyrite.</u>	<u>258</u>	<u>5.0</u>	<u>0.30</u>	<u>0.01</u>
<u>169.0 to 174.0</u>					
	<u>10% fine pyrrhotite</u>	<u>259</u>	<u>5.0</u>	<u>0.10</u>	<u>0.02</u>

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Creek - Eger Option

HOLE NUMBER 5-11
 SHEET NUMBER 6
 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	SLUDGE GOLD %
<u>174.0 to 179.0</u>	<u>Between 15 and 20% fine pyrrhotite.</u>	<u>260</u>	<u>5.0</u>	<u>0.10</u>	<u>0.01</u>
<u>179.0 to 184.0</u>	<u>20 to 25% fine pyrrhotite Core badly broken from 185.0 to 190.0 (excluding lost core) Core lost from 186.2 to 187.0 188.5 to 190.0 Only sparse pyrrhotite in core recovered in above section.</u>	<u>261</u>	<u>5.0</u>	<u>0.11</u>	<u>0.01</u>
<u>191.5 to 194.0</u>	<u>About 5% fine pyrrhotite and chalcopyrite. Core lost from 194.0 to 195.0 A little pyrrhotite at 195.5 - not worthy of assay. Core lost from 196.5 to 197.0 Core broken from 197.0 to 203.0 - weakly mineralized</u>	<u>262</u>	<u>2.5</u>	<u>0.10</u>	<u>0.03</u>

DRILLED BY Boyles Bros. Ltd.

SIGNED R.M. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-11

SHEET NUMBER 7

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 % Ni
203.0 to 208.0	15% fine pyrrhotite. Sparse chalcopyrite.	263	5.0	0.15	0.03
208.0 to 213.0	Same as above	264	5.0	0.10	0.03
213.0 to 217.0	About 10% fine pyrrhotite. Core lost from 217.0 to 218.2. Core lost from 220.0 to 221.3. Sparse mineralization between above sections - not worthy of assay.	265	4.0	0.10	0.03
222.0 to 223.1	Core lost from 222.0 to 223.1. Small patch of pyrrhotite at 223.2 - not worthy of assay.				
226.1 to 229.0	Core lost from 226.1 to 229.0.				
231.0 to 233.0					
234.0 to 281.0	From 234.0 to 281.0, exclusive of lost core, the rock is cream-coloured, soft & porous in part, suggestive of a fault or shear zone.				

DRILLED BY Bayles Bros Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr - Enger Option

HOLE NUMBER 5-11

SHEET NUMBER 8

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

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 \$	SLUDGE GOLD \$
	Core lost from 241.0 to 243.0				
	244.0 to 245.0				
	245.0 to 250.0				
	252.0 to 255.0				
	255.0 to 256.0				
	258.0 to 259.0				
	262.7 to 265.0				
	266.2 to 267.0				
	268.6 to 270.0				
	270.0 to 272.0				
	273.7 to 277.0				
	278.0 to 279.0				
	281.1 to 283.0				
	From 285.0 to to 292.0, exclusive of lost core, the rock is dark green, chloritic and highly fractured.				
	Core lost from 289.0 to 291.0				
	292.0 to 296.4				
	One small patch of pyrrhotite at 296.8. Not worthy of assay.				

DRILLED BY Boyles Bros. Ltd.

SIGNED RWT Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-11
 SHEET NUMBER 9
 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 \$
	Core lost from 297.0 to 300.0				
	317.7 to 323.0				
	324.5 to 325.0				
	326.0 to 329.2				
	331.0 to 335.8				
	336.0 to 338.8				
	From 338.8 to 479.5, exclusive of lost core, the rock is pale grey in colour and contains rounded (variolite?) growths of feldspathic material up to 1/2" in diameter. It appears to be a horizon in the lava rather than an introduced rock i.e. no defined contacts or assimilation etc.				
	Core lost from 350.5 to 351.0				
	354.5 to 355.0				
	358.4 to 361.0				
	362.2 to 363.0				
	363.9 to 364.5				
	367.5 to 368.8				

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

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr - Eger Option

HOLE NUMBER 5-11
 SHEET NUMBER 10
 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 \$
	Core lost from 369.6 to 371.0				
	371.5 to 372.0				
	372.7 to 374.0				
	377.4 to 378.0				
	416.9 to 418.0				
	418.8 to 419.0				
	420.6 to 421.0				
	425.9 to 429.0				
	430.0 to 432.0				
	433.7 to 435.0				
	436.7 to 441.0				
	442.2 to 449.8				
	451.0 to 454.0				
	455.0 to 459.3				
	461.0 to 463.6				
	466.0 to 470.0				
	472.9 to 476.0				
	479.0 to 479.5				
	From 479.5 to end of hole at 496.0 the rock is medium-grey, fine grained intermediate lava.				

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 5-11
SHEET NUMBER 11
SECTION FROM TO

DIAMOND DRILL RECORD

LOCATION: LAT.....
DEP.....
ELEVATION OF COLLAR.....
DATUM.....
DIRECTION AT START: BEARING.....
DIP.....

STARTED 115F
COMPLETED.....
ULTIMATE DEPTH.....
PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	<u>There are a few irregular calcite threads present.</u>				
	<u>Core lost from 495.0 to 496.0</u>				
	<u>End of hole at 496.0</u>				
	<u>Core recovery: 72.6%</u>				

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

DRILLED BY Bayles Bros Ltd.

SIGNED R. Baker

PROPERTY Miles Creek - Enger Option

HOLE NUMBER 5-12

SHEET NUMBER 1

DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

LOCATION: LAT. 9,500 N.

DEP. 10,080 E.

ELEVATION OF COLLAR 2740'

DATUM 3000' at sta. 13 on baseline

DIRECTION AT START: BEARING S-45°-W

DIP 52° at collar

Subject }
to transit }
Survey }

STARTED August 26, 1953 115F

COMPLETED September 4, 1953

ULTIMATE DEPTH 500'

PROPOSED DEPTH To cross south zone beneath river

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0-16.0	Casing				
16.0-500.0	Intermediate fine grained lava interbedded with irregular sections of fine grained pyroclastic. The assemblage varies from pale grey to greenish-grey in colour. Rock is quite brittle, and highly fractured at 40° and 60° to core. Core lost from 39.0 to 40.0 53.0 to 57.0 58.0 to 59.0 59.5 to 64.0 66.0 to 66.8 68.0 to 69.2 73.0 to 75.0 76.0 to 77.0 81.5 to 82.0 95.7 to 96.0 101.0 to 103.0 110.0 to 112.0				

DRILLED BY Boyles Bros. Ltd.

SIGNED RWB

PROPERTY Miles Creek - Enger Option

HOLE NUMBER S-12
 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 \$
	A few calcite stringers are present at various angles to the core.				
	Core lost from 137.0 to 138.0				
	144.0 to 145.0				
	159.2 to 160.0				
	169.4 to 171.0				
	173.7 to 174.0				
	177.3 to 179.0				
	183.5 to 185.0				
	From 185.0 to 315.0, the rock has a medium-green, andesitic appearance.				
	Core lost from 187.5 to 191.3				
	193.0 to 195.4				
	199.7 to 205.0				
	216.5 to 217.8				
	221.0 to 224.1				
	226.0 to 229.2				
	249.0 to 250.0				
	265.0 to 265.4				

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

DRILLED BY Boyles Bros. Ltd.

SIGNED R. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-12

SHEET NUMBER 3

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

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 \$	SLUDGE GOLD \$
	Core lost from 268.0 to 271.0			<u>70 Cu</u>	<u>70 Ni</u>
	273.0 to 275.0				
	278.0 to 279.0				
	282.0 to 285.0				
	285.0 to 286.0				
	287.0 to 289.0				
	290.0 to 300.5				
	301.0 to 305.0				
	306.0 to 307.7				
	309.0 to 312.0				
	The core recovered in the section of high core loss from 282.0 to 312.0 is pale grey and highly carbonatized. A shear or fault zone is indicated.				
	<u>313.0 to 315.0</u>	266	2.0	0.17	Nil
	15% fine pyrrhotite in irregular patches. A little associated pyrite.				
	<u>321.0 to 322.7</u>	267	1.7	0.07	Nil
	10% fine pyrrhotite in small patches. Some associated pyrite.				

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr - Enger Option

HOLE NUMBER S-12

SHEET NUMBER 4

DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

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 \$
	From 319.0 to 340.0, the rock is cream-coloured and aphanitic, suggestive of an anorthosite. It is possibly a feldspathic residual from the peridotite although the contacts are not clearly defined. Sample 267 is contained within this material.			70 Cu	70 Ni
	Core lost from 336.0 to 337.0				
	338.0 to 340.0	268	2.0		
	About 5% fine pyrite and pyrrhotite. For Au only.				
	Core lost from 340.8 to 343.0				
	364.0 to 366.3				
	362.0 to 363.0	269	1.0	0.40	Nil
	15% fine pyrrhotite. - web-like patterns				
	367.5 to 369.3	270	1.8		
	About 10% fine pyrite - for Au only.				

DRILLED BY Boyles Bros. Ltd.

SIGNED R. Baker

PROPERTY Mikes Cr. - Enger Option

HOLE NUMBER 5-12
 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 \$
	Core lost from 372.4 to 373.0				
	378.0 to 379.0				
	388.0 to 390.0				
	390.0 to 391.0				
	392.7 to 394.0				
	402.0 to 403.0				
	404.4 to 410.0				
	There is a little pyrite at 411.5 and 414.5 - not worthy of assay.				
	Core lost from 415.0 to 416.5				
	418.0 to 420.0				
	427.9 to 430.0				
	430.7 to 435.0				
	436.0 to 441.0				
	444.0 to 445.0				
	There are several wisps of pyrrhotite and chalcopyrite at 448.2, 458.5 and 463.2 - these not worthy of assay.				

DRILLED BY Boyles Bros Ltd.

SIGNED RWBaker

PROPERTY Miles Cr - Enger Option

HOLE NUMBER 5-12

SHEET NUMBER 6

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

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 \$	SLUDGE GOLD \$
	Core lost from 453.0 to 455.0				
	467.2 to 470.0				
	471.5 to 474.0				
	477.3 to 479.0				
	483.7 to 486.0				
	487.0 to 487.5				
	488.0 to 488.3				
	489.0 to 498.5.				
	From 480.0 to 483.0, the rock has a brownish tone which may be due to "basaltic" hornblende.				
	From 489.0 to 498.5 (lost core) the driller reported that there was not any pressure on the feed, so that it is likely a zone of soft alteration or porous material.				
	No water return in the hole from 135' on.				
	End of hole at 500'				
	Core recovery: 71.9%				

DRILLED BY Boyles Bros. Ltd.

SIGNED R. Baker

PROPERTY Miles Creek - Enger Option

HOLE NUMBER S-13

SHEET NUMBER 1

DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

LOCATION: LAT. 9,500 N
 DEP. 10,077 E

} Subject to
 transit
 survey

STARTED Sept 6, 1953

115F

ELEVATION OF COLLAR _____
 DATUM 3000' at Sta 13 on Baseline

COMPLETED Sept 13, 1953

ULTIMATE DEPTH 433.0

DIRECTION AT START: BEARING Due south
 DIP 46° at collar; 43° at 433'

PROPOSED DEPTH To cut extension of
 south zone, under river.

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0 - 15.0	Casing				
15.0 - 433.0	Intermediate lava interbedded with short irregular sections of pyroclastic. The former is medium grey to pale grey, brittle and fine grained. The latter is mainly lapilli to a fine-grained, sugary type. From 17.6 to 25.5 there is considerable white, carbonate showing brown oxidation effects. Core lost from 15.0 to 17.6.				
	36.2 to 37.0				
	42.4 to 43.5				
	48.0 to 48.5				
	52.3 to 52.5				
	55.4 to 56.0				
	59.0 to 61.0				
	64.2 to 65.0				
	69.5 to 71.0				
	71.8 to 74.5				
	75.7 to 76.0				

DRILLED BY Boyles Bros. Drilling Co.

SIGNED RWB

PROPERTY Miles Creek - Enger Option

HOLE NUMBER 5-13

SHEET NUMBER 2

DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

LOCATION: LAT. _____

STARTED _____ 115 F

DEP. _____

COMPLETED _____

ELEVATION OF COLLAR _____

ULTIMATE DEPTH _____

DATUM _____

DIRECTION AT START: BEARING _____

PROPOSED DEPTH _____

DIP _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	Core lost from 77.0 to 80.0			<u>70 Cu</u>	<u>70 Ni</u>
	One 1" patch of about 10% pyrrhotite at 85.9. Not worthy of assay.				
	Core lost from 88.6 to 90.0				
	Sparse pyrrhotite and pyrite at 97.0 and 98.3; not worthy of assay.				
	Core lost from 100.6 to 101.5				
	103.5 to 104.7				
	107.0 to 108.9				
	122.0 to 124.5				
	129.3 to 130.0				
	<u>131.5 to 136.5</u>	271	5.0	0.10	0.96
	10% fine pyrrhotite. Sparse pyrite.				
	Core lost from 138.5 to 140.0				
	One 1" patch pyrrhotite at 141.2; not worthy of assay.				
	Core lost from 142.5 to 145.8				
	<u>147.6 to 151.0</u>	272	3.4	0.11	3.18
	20% fine pyrrhotite & pyrite in web-like patterns.				

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

DRILLED BY Boyles Bros Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr. - Eger Option

HOLE NUMBER 5-13
 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 \$
	Core lost from 151.0 to 152.0			90cu	70th
	154.0 to 156.0	273	2.0	0.10	3.74
	25% fine pyrrhotite. Sparse pyrite and chalcopyrite.				
	Core lost from 156.0 to 156.3				
	One small patch pyrrhotite at 156.5; not worthy of assay.				
	Core lost from 157.5 to 159.3				
	A few irregular threads of pyrrhotite and pyrite at 160.0 and 161.7; not worthy of assay.				
	Core lost from 160.5 to 161.0				
	Core lost from 165.0 to 166.0				
	167.5 to 172.0				
	172.5 to 174.0				
	181.0 to 183.8				
	183.8 to 186.0	274	2.2	Tr.	1.15
	15% fine pyrrhotite, chalcopyrite and pyrite.				
	Core lost from 193.0 to 195.6				

DRILLED BY Boyles Bros. Ltd.

SIGNED RWBaker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-13

SHEET NUMBER 4

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

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 \$	SLUDGE GOLD \$
<u>195.6 to 199.0</u>	<u>About 15% pyrrhotite and pyrite in equal amounts.</u>	<u>275</u>	<u>3.4</u>	<u>Tr</u>	<u>2.03</u>
	<u>Core lost from 199.0 to 202.2</u>				
	<u>206.0 to 209.0</u>				
<u>215.5 to 216.7</u>	<u>15% fine pyrrhotite & pyrite</u>	<u>276</u>	<u>1.2</u>	<u>Nil</u>	<u>1.30</u>
	<u>Several threads pyrrhotite and pyrite at 218.0. Not worthy of assay.</u>				
	<u>Core lost from 221.4 to 225.0</u>				
	<u>225.5 to 237.4</u>				
	<u>239.0 to 240.0</u>				
	<u>241.0 to 248.2</u>				
	<u>250.0 to 252.2</u>				
	<u>256.0 to 260.0</u>				
	<u>263.0 to 264.2</u>				
	<u>A few threads of pyrite from 264.2 to 268.0; not worthy of assay.</u>				

DRILLED BY Bayles Bros. Ltd.

SIGNED RW Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-13

SHEET NUMBER 5

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____

STARTED _____ 115F

ELEVATION OF COLLAR _____

COMPLETED _____

DATUM _____

ULTIMATE DEPTH _____

DIRECTION AT START: BEARING _____
 DIP _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	From 270.2 to 281.0, the rock is sheared at 50° to core and carbonatized.				
	Core lost from 260.0 to 270.2				
	281.0 to 283.3.				
	From 288.5 to 303.0, the rock is milky-white, anorthositic containing vestiges of invaded volcanics. It is probably anorthosite related to the ultrabasic.				
	Core lost from 303.0 to 304.8				
	308.0 to 310.0				
	316.3 to 321.7				
	323.0 to 327.6				
	328.5 to 330.0				
	332.8 to 337.6				
	340.0 to 344.0				
	345.0 to 348.4				
	350.0 to 351.5				

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-13
 SHEET NUMBER 6
 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 \$
	In the previous section of lost core, the core recovered is badly broken, highly fractured. - the planes containing numerous white carbonate threads.				
	From <u>354.8 to 367.0</u> there is a fine-grained gabbro dike.				
	Contacts not clearly defined.				
	Core lost from <u>367.0 to 370.0</u>				
	<u>371.0 to 375.0</u>				
	<u>376.0 to 380.4</u>				
	<u>381.0 to 385.4</u>				
	<u>386.0 to 390.0</u>				
	<u>391.0 to 395.0</u>				
	<u>396.0 to 401.4</u>				
	<u>403.5 to 414.0</u>				
	<u>415.0 to 418.2</u>				
	<u>420.0 to 427.0</u>				
	<u>430.0 to 432.0</u>				

DRILLED BY Boyles Bros. Ltd.

SIGNED RW Baker

PROPERTY Miles Creek-Enger Option

HOLE NUMBER S-14
 SHEET NUMBER 1
 SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. 9,118 N.
 DEP. 10,352 E.
 ELEVATION OF COLLAR 2,759.
 DATUM 3000' at Sta 13 on baseline.
 DIRECTION AT START: BEARING Due North
 DIP 60° at collar; 57° at 421.0
 (Bottom)

STARTED Sept. 14, 1953 NSF
 COMPLETED Sept. 22/53.
 ULTIMATE DEPTH 421.0
 PROPOSED DEPTH To cut south zone at depth

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0-40.0	Casing				
40.0-421.0	Pale grey fine grained intermediate lava interbedded with fine grained pyroclastic. Spinting 45° to 70° to core. Core lost from 46.5 to 47.0 49.0 to 51.2 52.5 to 53.4 55.0 to 56.5 60.0 to 62.0 63.5 to 65.0 69.5 to 70.0 77.5 to 80.0 87.0 to 88.0 89.4 to 92.7 94.2 to 95.0 97.0 to 97.5 A few specks of pyrrhotite and chalcopyrite at 101.8. Not worthy of assay. Same at 119.9.				

DRILLED BY Boyles Bros. Ltd.

SIGNED RWBaker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER S-14

SHEET NUMBER 2

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

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 \$	SLUDGE GOLD \$
	Core lost from 99.0 to 101.1				
	113.5 to 116.0				
	123.5 to 125.0				
	126.5 to 128.6				
	130.0 to 132.2				
	134.6 to 135.0				
	Scattered, irregular fine calcite threads in core recovered over above section				
	Core lost from 142.0 to 146.0				
	147.8 to 148.5				
	149.3 to 150.0				
	152.0 to 153.0				
	Banding at 45° to core in above section. A few specks of pyrrhotite at 184'; not worthy of assay.				

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

PROPERTY Miles Cr - Enger Option.

HOLE NUMBER 5-14

SHEET NUMBER 3

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____

STARTED _____ 115F

ELEVATION OF COLLAR _____

COMPLETED _____

DATUM _____

ULTIMATE DEPTH _____

DIRECTION AT START: BEARING _____
 DIP _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	^g / _{ton} GOLD \$	^g / _{ton} SLUDGE GOLD \$
193.3 to 198.6		277	5.3	0.12	Nil
	About 5% fine pyrrhotite in irregular patches. Sparse chalcopyrite				
	At 202.4, one 2" section of disseminated pyrrhotite - not worthy of assay.				
	Core lost from 217.0 to 218.0				
	225.0 to 229.0				
	232.0 to 232.7				
	239.0 to 239.5				
	Bedding of pyroclastic at 40° to core at 231.0 and 236.0				
	Core lost from 242.5 to 243.5				
	246.0 to 247.3				
	251.0 to 252.0				
	253.0 to 257.0				
	258.0 to 259.5				
	262.0 to 263.0				

DRILLED BY Boyles Bros. Ltd.

SIGNED RWBaker

PROPERTY Miles Cr - Enger Option

HOLE NUMBER S-14

SHEET NUMBER 4

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____

STARTED _____ 115F

ELEVATION OF COLLAR _____

COMPLETED _____

DATUM _____

ULTIMATE DEPTH _____

DIRECTION AT START: BEARING _____
 DIP _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
	Between 268.0 and 276.0 there are several small patches of disseminated sulphide (po). Not worthy of assay.				
	Bedding at 35° to core at 271.0				
	Core lost from 276.5 to 278.0				
	279.0 to 280.0				
	283.0 to 285.0				
	285.0 to 285.6				
	286.5 to 287.0				
	A few scattered threads of pyrrhotite between 297.5 to 299.0. Not worthy of assay				
	Core lost from 295.5 to 296.5				
	Core badly broken from 300. to 315.0				
	Core lost from 315.0 to 316.0				
	317.0 to 317.9				
	324.0 to 326.0				
	332.0 to 332.8				
	334.0 to 336.9				

DRILLED BY Boyles Bros Ltd.

SIGNED RWBaker

PROPERTY Miles Cr. - Eager Option

HOLE NUMBER 5-14
 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 \$
<u>338.4 to 339.5</u>	<u>Between 5 and 10% disseminated pyrrhotite</u>	<u>278</u>	<u>1.1</u>	<u>0.21</u>	<u>Nil</u>
	<u>Core lost from 339.5 to 340.0</u>				
<u>340.0 to 345.0</u>	<u>Between 5 and 10% disseminated pyrrhotite. Sparse chalcopyrite</u>	<u>279</u>	<u>5.0</u>	<u>0.21</u>	<u>Nil</u>
<u>350.7 to 355.7</u>	<u>10% fine pyrrhotite and chalcopyrite.</u>	<u>280</u>	<u>5.0</u>	<u>0.17</u>	<u>Nil</u>
	<u>A little pyrrhotite between 356.0 and 359.0 - not worthy of assay.</u>				
	<u>Core lost 359.0 to 361.0</u>				
	<u>A small patch pyrrhotite at 364.5. Not worthy of assay.</u>				
<u>368.0 to 373.0</u>	<u>10% fine disseminated pyrrhotite</u>	<u>281</u>	<u>5.0</u>	<u>0.11</u>	<u>Nil</u>
	<u>Sparse chalcopyrite</u>				
	<u>Core lost from 373.0 to 376.7</u>				

DRILLED BY Boyles Bros. Ltd.

SIGNED R.W. Baker

PROPERTY Miles Cr. - Enger Option

HOLE NUMBER 5-14
 SHEET NUMBER 6
 SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____
 COMPLETED _____
 ULTIMATE DEPTH _____
 PROPOSED DEPTH _____

115F

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE \$
376.7 to 379.0	30% pyrrhotite. Minor associated chalcoppyrite	282	2.3	0.64	Nil
Core lost from 379.0 to 382.6					
382.6 to 385.0	15% fine pyrrhotite. Sparse chalcoppyrite	283	2.4	0.17	Nil
A few specks pyrrhotite from 385 to 386.5, not worthy of assay.					
Core lost from 386.5 to 387.0					
387.0 to 390.0					
391.5 to 396.5					
402.3 to 408.9					
410.0 to 414.2					
Core badly broken in intervening spaces.					
Core lost from 415.0 to 420.0					
End of hole at 421.0					
Core recovery: 74.5%					
Sludge samples: 370.0 to 380.0		284	10	0.25	Nil
380.0 to 390.0		285	10	0.17	Nil
390.0 to 400.0		286	10	0.11	1.05

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker