



31D16NE0428 23 CARDIFF

010

# Diamond Drilling

Township of CARDIFF

Report N<sup>o</sup> 23

Work performed by: Amacho River Mines Limited

Claim N <sup>o</sup>	Hole N <sup>o</sup>	Footage	Date	Note
EO 7331	12	203.0'	Feb/54	
	13	252.0'	Feb/54	
	1	500.0'	Dec/54	
	2	303.0'	Dec/54	
		<u>1258'</u>		

Notes:

# DIAMOND DRILL RECORD

E0 7331

PROPERTY AUMACHO RIVER MINES LIMITED

HOLE NO. 1

SHEET NUMBER \_\_\_\_\_

SECTION FROM A TO A /

STARTED Dec. 1

LATITUDE \_\_\_\_\_

DATUM \_\_\_\_\_

COMPLETED Dec. 7

DEPARTURE 1-4-23

BEARING 350° magnetic

ULTIMATE DEPTH 500'

ELEVATION \_\_\_\_\_

DIP 45°

PROPOSED DEPTH 500'

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0 - 14	Casing				
14.0 - 95.7	Biotite hornblende gneiss - sheared from 80° to 90° to C.A. Mineralized with trace pyrrhotite - pyrite				
	43.5 - 2.6 ft. dyke min with trace ferro magnesian minerals				
	49.0 - 0.2 ft. dyke				
	56.7 - 0.1 ft. calcite vein parallel the shearing				
	72.7 - 1/8" seam pyrrhotite - pyrite				
	73.0 - 1/8" " " "				
	74.0 - 1/8" " " "				
	74.7 - 1/8" " " "				
	87.3 - 0.2 ft. dyke mineralized with 50% ferro magnesian minerals				
	89.0 - 0.5 ft. dyke " " tr " "				
	90.0 - 0.5 ft. dyke " " 10% " "				
95.7 - 124.5	Garnetiferous augen gneiss - sheared from 80° to 90° to C.A. Graphite and pyrite noted to be plated on many of the fractures. Some calcite filled fractures at 30° to C.A.				
	111.7 - 0.1 ft. quartz parallel the shearing.				
	112.2 - 0.2 ft. quartz " " "				
	113.0 - 1/2" seam of gouge at rt. angles to shearing.				
	122.5 - 0.4 ft. dyke mineralized with trace ferro magnesian minerals, pyrite and molybdenite				
124.5 - 255.0	Biotite hornblende gneiss - sheared from 80° to 90° to C.A. Few pyrite plated fractures.				
	124.5 - 0.9 ft. dyke somewhat sheared mineralization with disseminated pyrite, 10% ferro magnesian minerals				
	133.5 - 0.5 ft. dyke mineralized with trace ferro magnesian minerals				
	135.0 - 1.3 ft. dyke " " trace " "				
	145.8 - 3.2 ft. dyke " " trace " "				
	162.3 - 1.7 ft. dyke " " trace " "				
	165.0 - 2.8 ft. dyke " " trace " "				

DRILLED BY \_\_\_\_\_

SIGNED \_\_\_\_\_

# DIAMOND DRILL RECORD

PROPERTY AUMACHO RIVER MINES LIMITED

HOLE NO. 1

SHEET NUMBER two SECTION FROM \_\_\_\_\_ TO \_\_\_\_\_ STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
124.5 - 285.0	continued				
	180.1 - 0.5 ft. dyke mineralized with trace ferro magnesian minerals			trace pyrite	
	188.0 - 2.4 ft. dyke " " " trace " "			trace pyrite	
	204.6 - 0.5 ft. dyke " " " trace " "			trace "	
	210.5 - 1.7 ft. "dark" dyke. This dyke is a dirty gray in colour as against the usual pink coloured sections. It is much coarser grained than the usual pink dykes, more truly a pegmatite. The most striking feature of the mineralization is the preponderance of labradorite. This dyke is mineralized as follows. Labradorite, hornblende, heavy pyrrhotite-pyrite, trace molybdenite				
	218.0 - 0.9 ft. dyke "dark" and mineralized as above				
	221.5 - 0.5 ft. dyke mineralized with trace ferro magnesian minerals and disseminated pyrrhotite and pyrite				
	229.0 - 0.7 ft. dyke mineralized with 80% ferro magnesian minerals				
	253.0 - 1.6 ft. dyke " " " trace " "			trace pyrite	
255.0 - 278.0	same rock as in previous section with a marked increase in the percentage of the labradorite phenocrysts.				
	273.0 - 0.4 ft. quartz no visible mineralization				
	274.5 - 1.5 ft. dyke mineralized with 5% ferro magnesian minerals			trace pyrite	
278.0 - 350.5	"Gray" granite - contacts are fine grained and somewhat brecciated. Rock has an appreciable labradorite content, very little quartz. Only a trace of ferro magnesian mineral except in the central 20.0 feet where it constitutes approximately 20% of the core. The section is cut by numerous fractures these usually at flat angles to C.A. and mineralized with pyrrhotite-pyrite. In addition there is a fairly even dissemination of minute pyrrhotite grains.				
	299.0 - 0.2 ft. quartz no visible mineralization				
	299.6 - 0.6 ft. quartz no visible mineralization				
	308.0 - 2.0 ft. mineralized with fairly heavy pyrrhotite-pyrite				

# DIAMOND DRILL RECORD

PROPERTY MUMACHO RIVER MINES LIMITED

HOLE NO. 1

SHEET NUMBER three

SECTION FROM \_\_\_\_\_ TO \_\_\_\_\_

STARTED \_\_\_\_\_

LATITUDE \_\_\_\_\_

DATUM \_\_\_\_\_

COMPLETED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

BEARING \_\_\_\_\_

ULTIMATE DEPTH \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP \_\_\_\_\_

PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
350.5 - 401.0	Biotite hornblende gneiss - sheared from 80° to 90° to C.E. The rock here has a much higher hornblende content than other section of this gneiss. This additional hornblende is largely developed along the shear planes and occasionally forms seams up to 1/8" thick. Sections along the core show a marked granitization, this feature strengthening towards the contact at 401.0 feet.				
3	350.5 - 2.2 ft. dyke mineralized with 20% ferro magnesian minerals		trace pyrite		
	355.0 - 2.2 ft. dyke " " 10% " "		hematitized		
	358.0 - 0.7 ft. dyke " " trace " "		" "		
401.0 - 500.0	Granite gneiss - there is a marked gneissic texture to this rock from 80° to 90° to the C.E. Such a feature is not unusual near the contact of granitic bodies and the mass could well be intrusive. The section also includes a few small paragneissic inclusions and is mineralized with a trace of ferro magnesian minerals.				
	491.0 - 2.0 ft. dyke of lamprophyre ?				
	500.0 - END OF HOLE				

# DIAMOND DRILL RECORD

PROPERTY AUMACHO RIVER MINES LIMITED HOLE NO. 2

SHEET NUMBER one SECTION FROM B TO B STARTED December 12, 1954  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE 660 West BEARING 350° magnetic ULTIMATE DEPTH 303.0 feet  
 ELEVATION \_\_\_\_\_ DIP 45° PROPOSED DEPTH 300.0 feet

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0 - 7.0	Casing				
7.0 - 143.0	Biotite hornblende gneiss - sheared at right angled to C.A. Mineralized with trace pyrite - limonite?				
	14.0 - 0.2 ft. dyke 40% ferro heavy pyrrhotite-pyrite-magnetite				
	14.9 - 0.2 ft. dyke trace ferro				
	31.5 - 0.2 ft. dyke trace ferro trace molyb.				
	34.9 - 0.3 ft. dyke trace ferro				
	44.0 - 0.3 ft. dyke trace ferro				
	49.9 - 0.6 ft. dyke 30% ferro trace pyrite few wedge shaped brown crystals fluorite				
	88.4 - 4.3 ft. dyke hanging wall section mineralized with 20% ferro, balance trace section mineralized with trace pyrite-fluorite.				
143.0 - 172.0	Garnetiferous augen gneiss - sheared at right angles to C.A. Section mineralized with light graphite.				
172.0 - 303.0	Biotite hornblende gneiss - sheared at right angles to C.A. Rock cut by few calcite filled fractures at small angles to C.A. Mineralized with trace pyrrhotite-pyrite-chalcopyrite.				
	184.0 - 0.3 ft. dyke 40% ferro trace pyrrhotite-pyrite				
	187.8 - 0.5 ft. dyke 40% " " " "				
	204.5 - 1.7 ft. dyke 30% " " pyrite				
	214.5 - 0.5 ft. quartz no visible mineralization				
	217.1 - 0.2 ft. quartz no visible mineralization				
	219.0 - 0.5 ft. dyke trace ferro trace pyrite				
	227.5 - 2.5 ft. dyke trace ferro trace pyrite				
	247.0 - few garnet crystals				
	249.8 - trace disseminated molyb. over 0.3 ft. section				
	264.5 - 2.0 ft. dyke 5% ferro trace pyrite				
	267.0 - 0.5 ft. dyke trace ferro trace pyrite				
	274.0 - 0.8 ft. dyke 20% ferro trace pyrite				
	292.0 - 1.5 ft. quartz no visible mineralization				
	303.0 - end of hole				



# DIAMOND DRILL RECORD

PROPERTY AUMACHO RIVER MINES LIMITED

HOLE NO. 12

SHEET NUMBER 008

SECTION FROM \_\_\_\_\_ TO \_\_\_\_\_

STARTED February 4/54

LATITUDE \_\_\_\_\_

DATUM \_\_\_\_\_

COMPLETED February 6/54

DEPARTURE 1340 west

BEARING 350° magnetic

ULTIMATE DEPTH 203.0'

ELEVATION \_\_\_\_\_

DIP 45°

PROPOSED DEPTH 200.'

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD %	SLUDGE GOLD %
0.0 - 35.0	Casing				
35.0 - 203.0	Biotite hornblende gneiss - sheared at 85° to 90° to C.A. First 10.0 feet is somewhat granitized over short sections usually under 1.0 feet. Other short sections in this hole are very siliceous and lacking in hornblende, these are usually under 3.0 feet in length. All of the core is mineralized with a trace of pyrite. The rock is cut by irregularly spaced fractures that trend at small angles to the C.A. some of which are plated with pyrite or marcasite, others which show slickensiding.				
44.5 - 0.1	ft. dyke trace ferro				
49.0 - 8.5	ft. irregular dyke 60% ferro trace pyrite Average count less than 2X B.G.C. with a high over 1.0 ft. of core at 51.0 of 4X B.G.C.				
65.8 - 3.6	ft. dyke granite mineralization trace pyrite				
73.9 - 1.0	ft. dyke " " " "				
76.0 - 1.0	ft. dyke " "				
77.6 - 0.1	ft. dyke " "				
92.5 - 0.5	ft. dyke 20% ferro trace pyrite				
95.8 - 0.1	ft. dyke granite				
104.0 - 5.3	ft. dyke 20% ferro trace pyrite last 0.5 ft. has count of 3X B.G.C.		Sample 765		
131.3 - 3.4	ft. dyke mineralized as follows. 2" seam of hornblende at hanging wall followed by 1.0 ft. of massive quartz the balance being pink feldspar with a trace of ferro. Average count less than 2X B.G.C. except for last 1.2 ft. which has count up to 10X B.G.C. Crystals of uraninite are noted here in badly broken section of core				





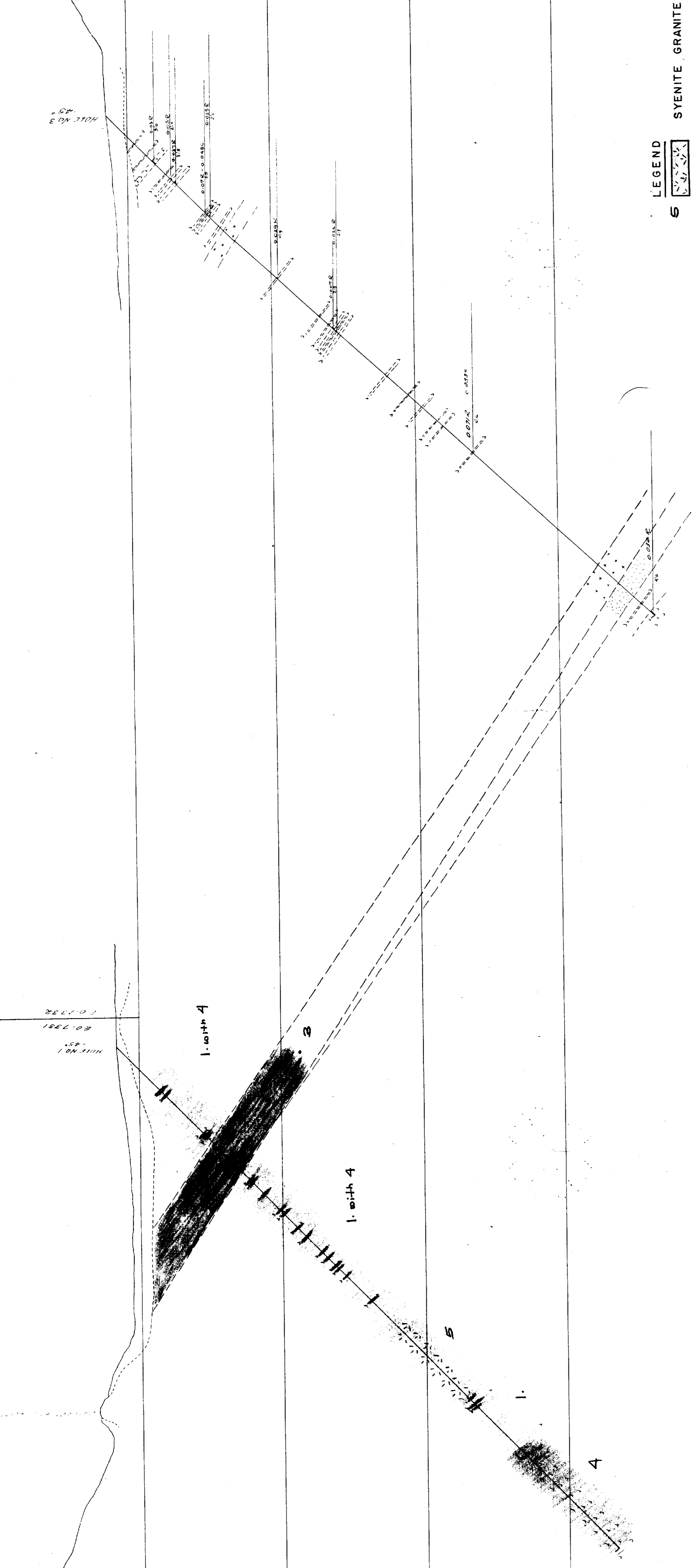
# DIAMOND DRILL RECORD

PROPERTY AUMACHO RIVER MINES LIMITED HOLE NO. 13

SHEET NUMBER one SECTION FROM \_\_\_\_\_ TO \_\_\_\_\_ STARTED February 10/54  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED February 12/54  
 DEPARTURE 1340 west BEARING 350° magnetic ULTIMATE DEPTH 252.0'  
 ELEVATION \_\_\_\_\_ DIP 70° PROPOSED DEPTH 250.0'

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
0.0 to					
34.0 -	Casing				
34.0 -	Biotite hornblende gneiss - sheared at 70° to 80° to C.A. first 15.0 feet is somewhat granitized, and short sections of the balance of the core is somewhat bleached. Rock is mineralized with trace pyrite				
	36.5 - 0.1 ft. dyke 10% ferro trace pyrite				
	37.0 - 1.0 ft. dyke trace ferro				
	50.7 - 0.2 ft. granite				
	55.0 - 4.5 ft. dyke composed of massive hornblende, large books of crushed biotite, light pyrite and calcite. Count of 3X B.G.C. noted over 0.1 ft. in central section.				
	71.1 - 2.6 ft. granite				
	78.8 - 2.0 ft. granite				
	91.0 - 0.1 ft. quartz no visible mineralisation				
	96.8 - 0.7 ft. granite				
	104.4 - 3.6 ft. dyke 10% ferro trace pyrite pyrrhotite. Count averages 3X B.G.C.				
	116.4 - 18.6 ft. dyke granite pegmatite				
	151.5 - 0.1 ft. quartz no visible mineralization				
	152.5 - 1.0 ft. irregular dyke 60% ferro trace pyrite				
	156.0 - 0.6 ft. irregular granite				
	157.5 - 6.0 ft. granite pegmatite				
	158.0 - 5.5 ft. granite pegmatite				
	164.5 - 0.1 ft. granite				
	172.6 - 0.2 ft. dyke 30% ferro trace pyrite				
	173.5 - 0.2 ft. dyke 10% ferro				
	174.3 - 1.0 ft. irregular dyke				
	175.1 - 0.1 ft. dyke 20% ferro trace pyrite				
	183.0 - 0.1 ft. granite				
	187.0 - 0.6 ft. dyke 5% ferro trace pyrite				

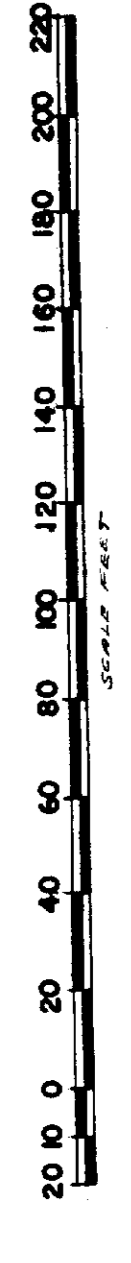


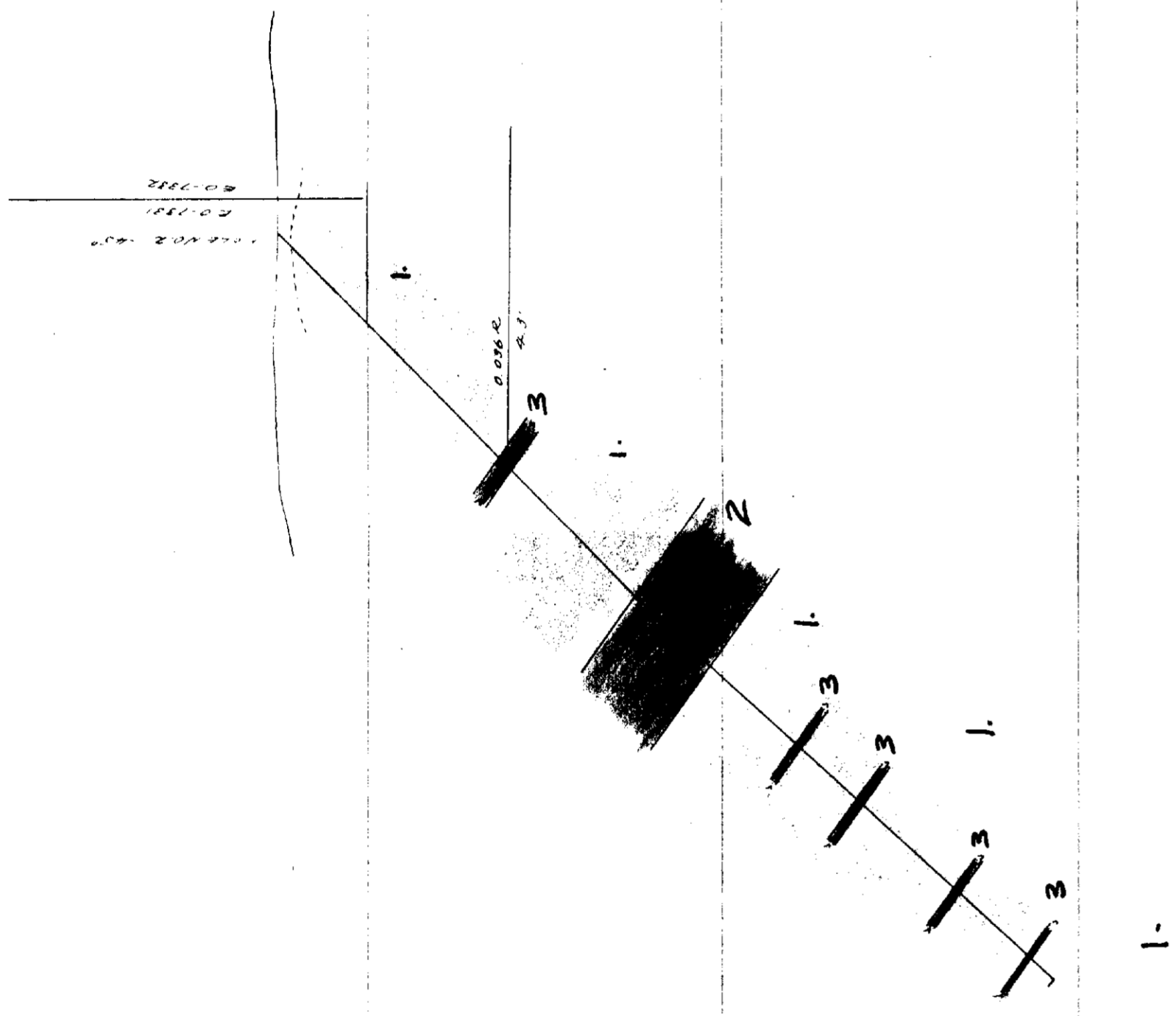


- LEGEND
- 5 SYENITE GRANITE
  - 4 GRANITE
  - 3 GARNETIFEROUS AUGEN GNEISS
  - 2 GRAPHITE GNEISS
  - 1 BIOTITE HORNBLLENDE GNEISS

**AUMACHO RIVER MINES LIMITED**  
 CARDIFF TOWNSHIP HALIBURTON COUNTY  
 PROVINCE OF ONTARIO

**VERTICAL SECTION A A**



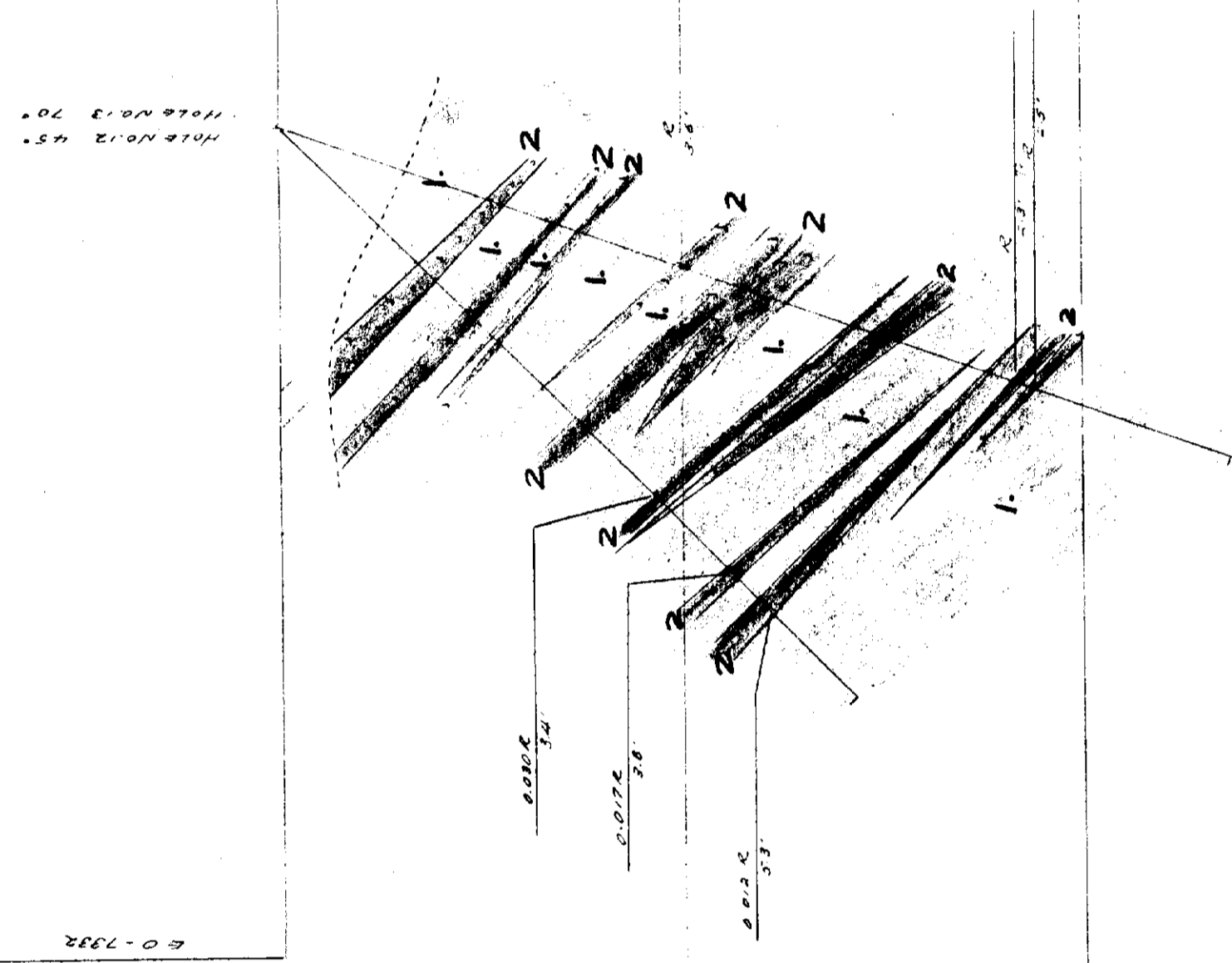


- LEGEND
- 3 GRANITE, PEGMATITE
  - 2 GARNETIFEROUS AUGEN GNEISS
  - 1 BIOTITE HORNBLENDE GNEISS
  - GRANITIZED BIOTITE HORNBLENDE GNEISS

**AUMACHO RIVER MINES LIMITED**  
 CARDIFF TOWNSHIP HALIBURTON COUNTY  
 PROVINCE OF ONTARIO

**VERTICAL SECTION**  
 HOLE 2

0 20 40 60 80 100 120 140 160 180 200 220



- LEGEND
- 2 [Patterned Box] GRANITE, PEGMATITE
  - [Patterned Box] GARNETIFEROUS AUGEN GNEISS
  - 1. [Patterned Box] BIOTITE HORNBLENDE GNEISS
  - [Patterned Box] GRANITIZED BIOTITE HORNBLENDE GNEISS

**AUMACHO RIVER MINES LIMITED**  
 CARDIFF TOWNSHIP HALIBURTON COUNTY  
 PROVINCE OF ONTARIO

**VERTICAL SECTION**  
 HOLES 12 & 13