

Diamond Drilling



41116SW0017 0010C1 MACBETH

010

Township of Macbeth

Report No: 11

Work performed by: W.H. Nichol & Company

Claim No	Hole No	Footage	Date	Note
105402	5	10.0'	Sept/60	
	4	18.4'	Sept/60	
	3	21.0'	Sept/60	
	2	26.0'	Sept/60	
	1	135.0'	Sept/60	

TOTAL: SDH ¹¹⁰ 210 FT

Notes:

DIAMOND DRILL RECORD

PROPERTY Nichol Option -- MacBeth Township, Ontario HOLE NO. 2

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED September 16, 1960
 LATITUDE 100 + 13 N DATUM _____ COMPLETED September 18, 1960
 DEPARTURE 51 + 44 E BEARING S 17° E ULTIMATE DEPTH 26.0'
 ELEVATION _____ DIP -55° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD g	SLUDGE GOLD g
0.0-2.0	Casing				
2.0-17.1	Andesite, green to grey-green, a fine to porphyritic texture, locally bleached or altered, appears silicified				
5.0-5.8	0.8' lost core				
9.0-13.0	4.0' granular, may represent an old diorite intrusive, gradational				
10.0-10.5	0.5' lost core				
13.6-14.6	1.0' lost core				
17.1-18.0	Quartz, white, contacts vague about 70°	125	0.9'	0.21	
18.0-20.7	Andesite, dark green, lightly silicified specks of disseminated pyrite, minor veinlets at 18.9' and 19.4', some epidote present	126	2.7'	0.01	
20.7-23.0	Andesite, as above but a little more epidote	127	2.3'	0.01	
23.0-26.0	Andesite, highly silicified with considerable epidote and some finely disseminated pyrite	128	3.0'	tr	
26.0	END OF HOLE				
	<i>Used for measurement work 26' = $\frac{26}{4} = 6.5$ days</i>				

N.M.P. TORONTO-STOCK FORM NO. 501 REV. 12/51

DRILLED BY

SIGNED

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DIAMOND DRILL RECORD

PROPERTY Nichol Option -- MacBeth Township, Ontario HOLE NO. 1

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED September 9th, 1960
 LATITUDE 101 + 35 N DATUM _____ COMPLETED September 16, 1960
 DEPARTURE 50 + 13 E BEARING S 32° E ULTIMATE DEPTH 115'
 ELEVATION _____ DIP 45° @ 0' PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD g	SLUDGE GOLD g
0.0- 24.6	Andesite, faintly porphyritic, locally silicified and appears brecciated, cut by occasional thin quartz-filled fractures				
16.1	0.0' quartz, minor epidote				
17.2	0.01' " - calcite at 45°, walls silicified over 0.1'				
20.0	0.01' quartz-calcite at 45°, another 60'				
24.6- 27.6	Andesite and Quartz, a quartz stringer down core, some epidote and sparse pyrite	101	3.0	Nil	
27.6- 30.2	Andesite and Quartz, appears brecciated	102	2.6	Nil	
30.2- 31.3	Andesite, as before, minor quartz	103	1.1	Nil	
31.3- 32.5	Andesite and Quartz, irregular quartz-filled fractures	104	1.2	Nil	
32.5- 46.9	Andesite, as before				
35.1-36.6	a 0.03' quartz veinlet down core				
40.0-40.4	0.4' lost core				
42.9-43.2	0.3' lost core				
46.9-47.9	Andesite, silicified	105	1.0	Nil	
47.9- 50.1	Andesite, faintly porphyritic				
50.1- 51.2	Andesite, silicified, some epidote	106	1.1	Nil	
51.2- 52.1	lost core				
52.1- 86.0	Andesite, as before				

N.M.P. TORONTO—STOCK FORM NO. 501 REV. 12/51

DRILLED BY _____

SIGNED _____

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DIAMOND DRILL RECORD

PROPERTY Nichol Option -- MacBeth Township, Ontario

HOLE NO. 1

SHEET NUMBER 2

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 \$		
	68.7-69.2 0.5' lost core						
	70.7-72.7 some pale alteration						
	75.7-76.5 lightly silicified						
86.0- 88.0	Andesite, some quartz and epidote	107	2.0	Nil			
88.0-91.0	Andesite ditto	108	3.0	Nil			
91.0- 94.0	Andesite ditto	109	3.0	Nil			
94.0- 96.2	Andesite ditto	110	2.2	Nil			
96.2- 98.9	Quartz, high epidote, last 0.5' white quartz	111	2.7	0.02			
98.9-115.0	Andesite, as before						
	100.0-100.5 0.5' lost core						
	103.7-104.5 some quartz and epidote						
	107.8-108.2 0.4' lost core						
115.0	END OF HOLE						
	Observations:						
	Footage starts at bedrock						
	(See next page for deepening of this hole)						

N.M.P. TORONTO-STOCK FORM NO. 501 REV. 12/51

DRILLED BY Welloff and McDonagh

SIGNED _____

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DIAMOND DRILL RECORD

PROPERTY Nichol Option -- MacBeth Township, Ontario HOLE NO. 1 (deepening)

SHEET NUMBER 3 SECTION FROM 115° TO 135° STARTED Sept 27, 1960
 LATITUDE _____ DATUM _____ COMPLETED Sept 27, 1960
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 135.0'
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD g	SLUDGE GOLD g		
115.0-115.6	Andesite, somewhat bleached						
115.6-122.5	Andesite, faintly mottled appearance 18.5 hairline fracture at 45°						
122.5-124.2	Andesite, bleached, some epidote						
124.2-127.3	Andesite, dark green, a mottled appearance, almost porphyritic						
127.3-128.0	Andesite, bleached, poorly banded at 45°						
128.0-135.0	Andesite, occasional 70° thin fractures						
135.0	END OF HOLE						
	Observations:						
	This represents the deepening of this hole; a depth check of the quartz vein						
	<i>Used for assessment work 135' = 135 days</i>						

N.M.P. TORONTO-STOCK FORM NO. 501 REV. 12/51

DRILLED BY Holloff and McDonagh

SIGNED _____

184 Lake Street

180
Phone 5136-W

W. H. NICHOL

Lumber & Building Contractor

NORTH BAY, ONTARIO

Claim # 105402

Macbeth Sup

greywacke
from 1' in hole to
10'

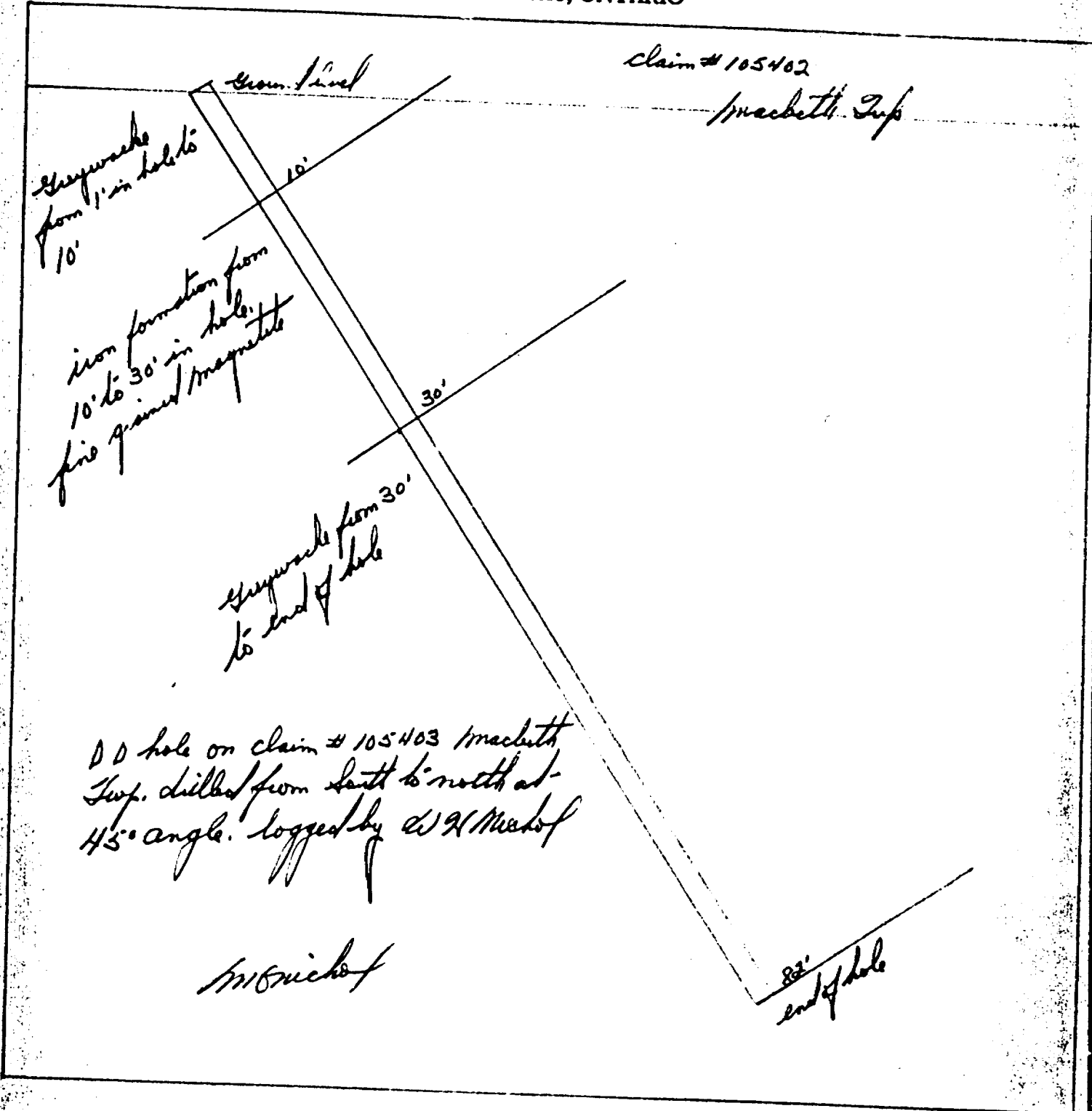
iron formation from
10' to 30' in hole. +
fine grained magnetite

greywacke from 30'
to end of hole

DD hole on claim # 105403 Macbeth
Sup. drilled from south to north at
45° angle. logged by W H Nichol

W H Nichol

82'
end of hole



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SAMPLE REPORT
 Nichol Option
 MacBeth Twp
Ontario

<u>Sample No.</u>	<u>Trench No.</u>	<u>Width</u>	<u>Description</u>	<u>Assay oz. Gold</u>
112	3	30"	Quartz--sparse pyrite, minor iron oxide	0.29
113	3	10"	Andesite--HW, trace pyrite and pyrrhotite	0.01
114	4	24"	Andesite--FW, bleached, considerable disseminated pyrite	0.12
115	4	22"	Quartz--minor pale pyrite	0.05
116	4	12"	Andesite--HW, 6" at contact cherty, minor pyrite	0.01
117	5	12"	Andesite--FW, bleached, $\frac{1}{2}$ quartz, disseminated pyrite	0.18
118	5	11"	Quartz--trace pyrite	0.01
119	5	12"	Andesite--HW, trace pyrite	0.01
120	6	12"	Andesite--FW, broken, highly oxidized	0.04
121	6	12"	Quartz--trace pyrite	1.76
122	6	12"	Andesite--HW, trace pyrite	0.05
123	7	6"	Quartz--lightly oxidized	0.04
124	7	12"	Andesite--HW, fractured, lightly oxidized	0.01
139		5.0'	Chips from the exposed dip surface of a quartz vein, 6"+ in thickness, no hangwall, azimuth 305°, dip 45°NE, about 500' eastward from the beaver dam on lower Cucumber Lake	Tr
140		5.0'	Located about 50' NW of No. 139, across strike of a siliceous member of iron formation, some pink oxides	Tr
141		4.0'	Chips of siliceous iron formation, from trench 10' west of No. 140	0.28
142		3.0'	Siliceous iron formation, lower portion of IF outcrop, located about 100' westward from No. 139	0.01
143		5.0'	Representative material from original Nichol IF pit, some quartz and minor sulphides, considerable iron oxides	0.01

Note: No gold observed in samples

considerable birch, poplar and maple on the lower ground. Some 150 men work the local timber limit, on behalf of George Gordon Company, an International Nickel Company subsidiary.

The typical small lakes and creeks of the northland occur. Water for domestic or industrial purposes is pure and abundant.

Geology

Little government information is available on this area, detail mapping ending at the townships to the southward. From observation, the lower strata consist of Precambrian inter-bedded intermediate lavas and siliceous iron formation. To date, all values have been found in this lower formation. The lower complex is overlain by Cobalt sediments, which is in turn capped in many locations by relatively flat-lying Nipissing diabase. The latter forms the common ridge-and-cliff feature of the area.

As the purpose of our work was evaluation, little was done regarding structural or economic geology. However, a postulation on structure seems pertinent. A line drawn through Cucumber Lake, and extended some five miles northward would pass through the Golden Rose Mine, developed some years ago by Consolidated Mining and Smelting Company. This line has a surface expression in low depressions at each end of the lake. It is suggested that gold values may be associated with this possible 'break'.

Sampling

Forty-three samples were taken by the undersigned; twenty-five of diamond drill core, thirteen of the quartz vein at 'A' showing and five of the 'B' area. A sample record is attached, plus diamond drill logs of the five holes.

Summary and Recommendations

A study of the erratic values obtained in this preliminary work is discouraging at first glance. However, only two limited zones have been examined to date and the irregular distribution of visible gold is definite encouragement.

Two recommendations are pertinent. First, that the minimum option payments be made, thus holding the ground until November 15th, 1961. Second, that the area be competently prospected in the 1961 season. Besides the area in the vicinity of the A-B-C showings, the ground between here and the Golden Rose Mine should be prospected as outlined on the attached sketch. Further work will be dependent on results.

Respectfully submitted



E. H. Spencer

Toronto, October 6, 1960

Mr. Walter Maybank, Manager,
Exploration Department,
Little Long Lac Gold Mines Limited,
Suite 602 - 199 Bay Street,
Toronto 1, Ontario

Work Report
on
W. Nichol Option
MacBeth Township, Ontario

Property

This claim group consists of 15 unpatented mining claims located in the unsurveyed townships of MacBeth and Clement in the District of Sudbury, Ontario. They are numbered 111669-111670-109370-109371-102996-~~112988~~-112989-112990-112991-112992-112993-112994-112995-40932-40933 and 102137. The claims are contiguous. All claims are recorded in the name of W. H. Nichol of 184 Lake Street, North Bay, Ontario.

Access

The claims are readily accessible by auto--North Bay to Field via Highways 17 and 64 and thence north-west via Highways 539 and 539A to Grassy Lake Depot. About 1 1/2 miles past the Depot an old haulage road leads directly to Cucumber Lake and the claims.

History

No evidence was found of early work on the group. It is possible that lack of access and rather rugged topography discouraged early prospectors.

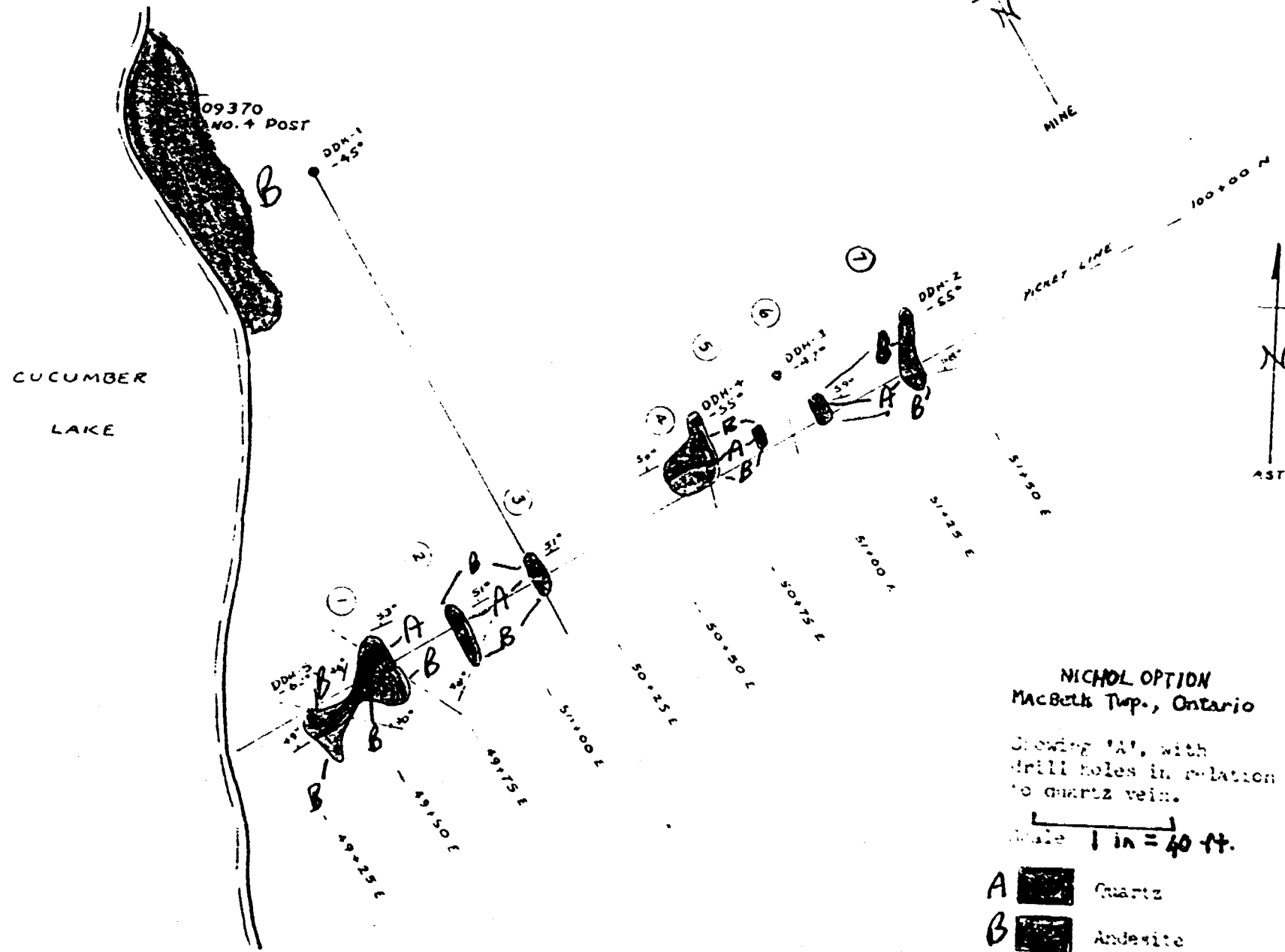
Present work started with the discovery of a quartz vein on the east shore of Cucumber Lake in 1959. A minimum of trenching and prospecting in late 1959 showed some promise. By summer of 1960 the main showing, 'A' on the attached sketch, had been traced by eight trenches for a distance of 210 feet. Other mineralized zones, noted as 'B' and 'C' on the sketch, were also discovered and a minimum of work performed.

In October 1960 the 'A' and 'B' showings were examined and sampled. Five drill holes, totalling 208 feet, tested the 'A' quartz vein.

Topography-Timber-Water

The country is generally rugged, although not too difficult for travel. Flat, high ridges predominate, often reaching 200 feet above the lakes. Drainage is south-west to south down the Sturgeon River system.

Local timber is a mixture of deciduous and coniferous types, with



**NICHOL OPTION
MacBeth Twp., Ontario**

Showing 'A', with
drill holes in relation
to quartz vein.

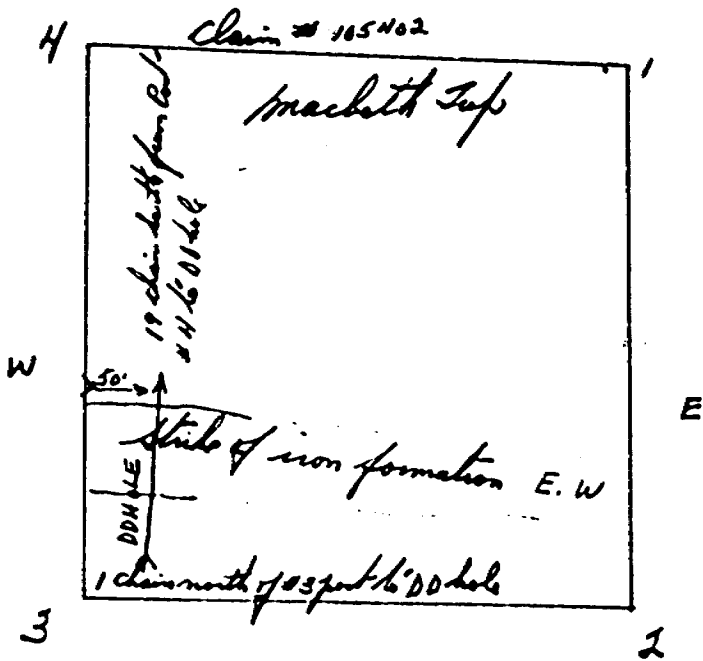
Scale 1 in = 40 ft.

- A Quartz
- B Andesite
- ③ Trench No.

2/2

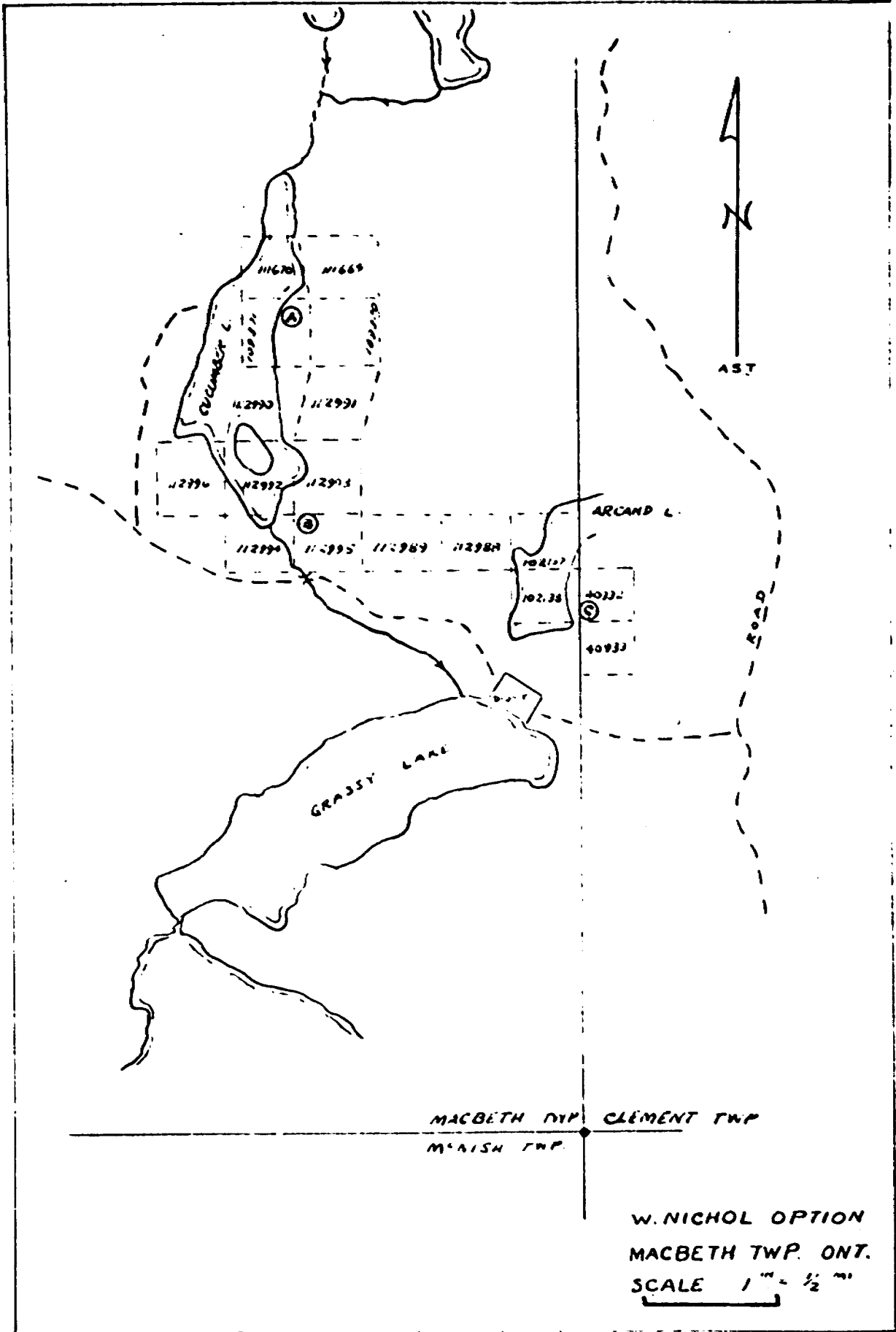
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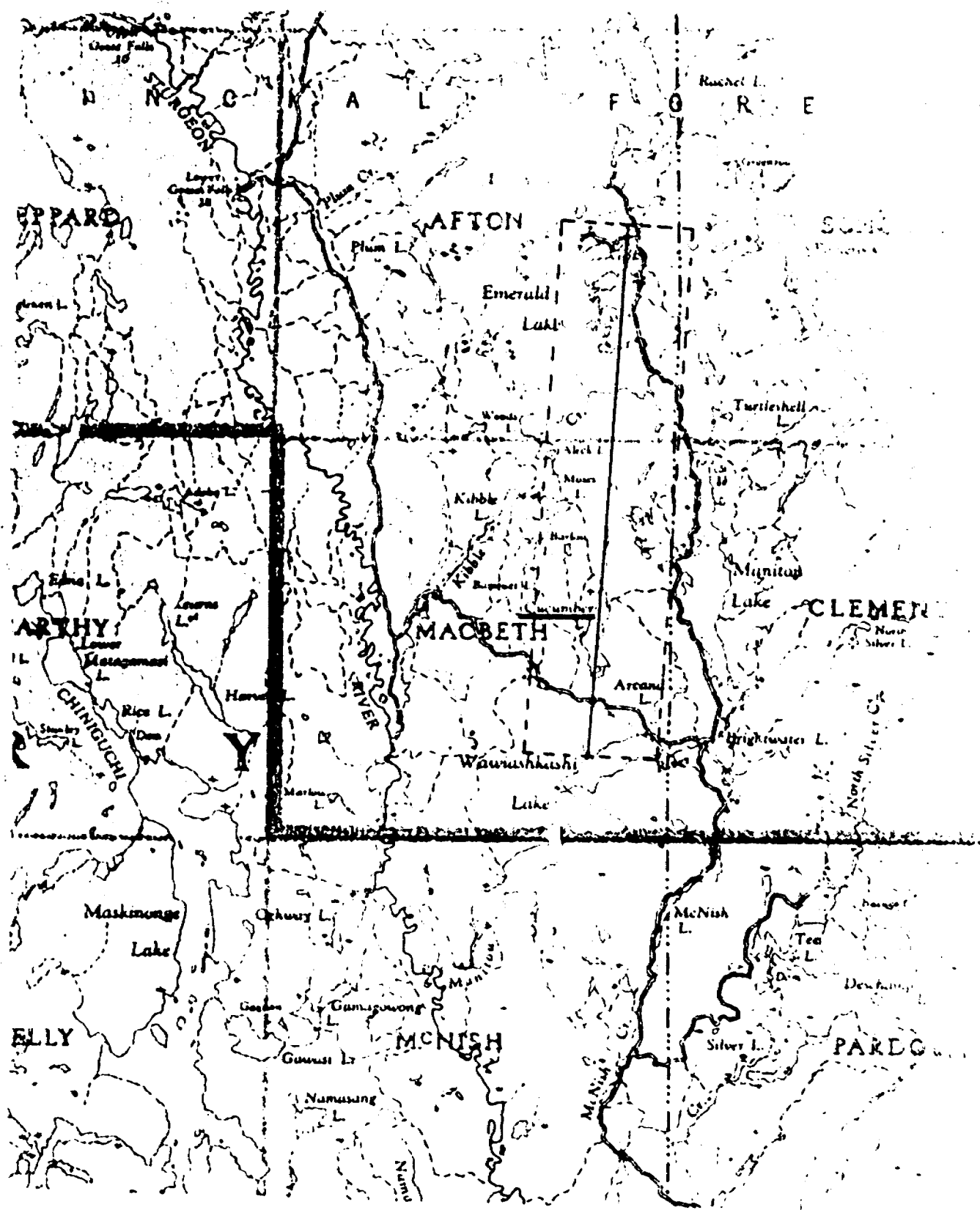
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Structure of

S





Proposed Prospecting Area
 Nichol Option, Ont.

Scale 1" = 8 mi.

