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



Work Report on W. Nichol Option Macbeth Township, Ontario.

# Property

This claim group consists of 16 unpatented mining claims located in the unsurveyed townships of MacBeth and Clement in the District of Sudbury, Ontario. They are numbered 111669-111670-109370-109371-102986-112988-112989-112990-112991-112992-112993-112994-112995-40932-40933 and 102137. The claims are contiguous. All claims are recorded in the name of W. H. Nichol of 184 Lake Street, North Bay, Ontario.

# Ассевв

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 13 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 minium 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 predominated, often reaching 200 feet above the lakes. Drainage is south-west to to south down the Sturgeon river system.

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

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 Nicekl Company subsidiary.

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

# <u>Geology</u>

Little government information is available on this area, detail mapping ending at the townships to the southward. From observation, the lower strats consist of Precambrain 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; twety-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 dimaond drill logs of the five logs.

#### 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-A-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,

Er, Valter Ampeni, Haneger, Exploration Department, Little Long Lao Gold Mines Limited, Sulto 602 - 199 May Street, Toronto 1, Daterio

# Nork Separt on i. Signal Option Habitath Township, Optionis

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# SAMPLE REPORT NICHOL OPTION MACBETH TWP. ONTARIO

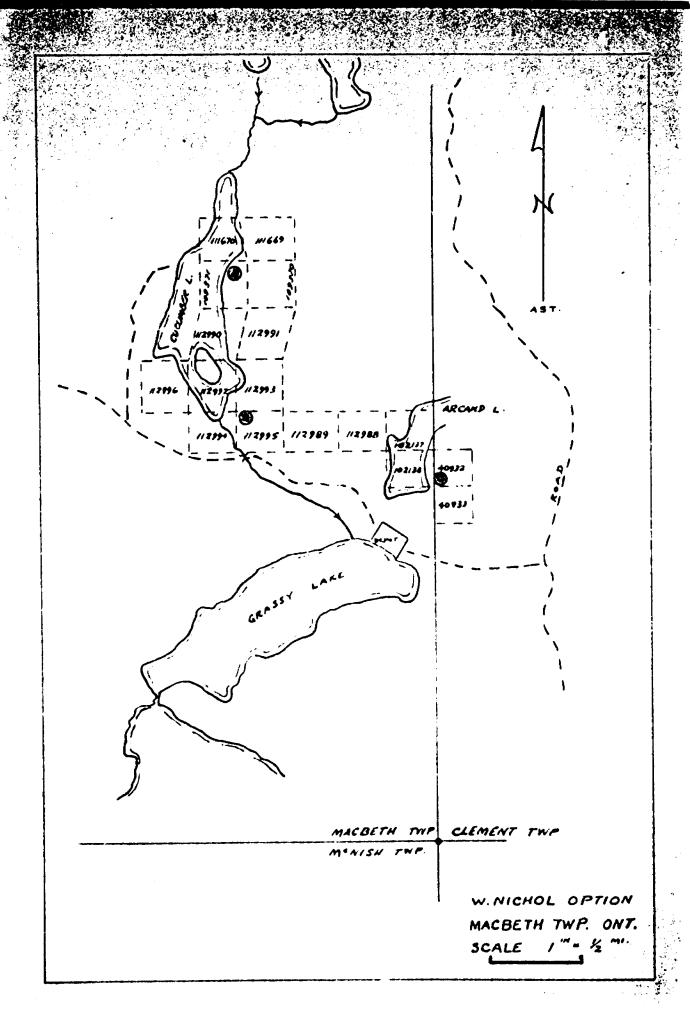
Sample No.	Trench No.	Width	Description Assay oz. Gold
112	3	30"	Quartz-sparse, pyrite 0.29
113	3	10"	minor iron oxide. Andesite-NW, trace pyrite 0.01
114	4	24"	and pyrrhotite. Andesite-FW, bleached 0.12 considerable disseminated pyrite.
115	4	22"	Quartz-minor pale pyrite 0.05
116	4	12"	Andesite-HW,6" at contact 0.01 cherty, disseminated pyrite
117	5	12"	Andesite-FW, bleached, quartz, 0.18 disseminated pyrite.
118	5	11"	Quartz-trace pyrite. 0.01
119	5	12"	Andesite-FW, trace pyrite 0.01
120	6	12"	Andesite-FW, broke, highly 0.04 oxidized.
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, lightly0.01 oxidized.
139		5.0'	Chips from the exposed dip Tr 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.
140		5.0'	Located about 50' NW of No.139 Tr across strike of a siliceous member of iron formation, some pink oxides.
141		4.0'	Chips of siliceous iron formation 0.28 from trench 10' West of No.140
142		3.0'	Siliceous iron formation, lower portion of IF outcrop, located about 100' westward from No. 139
143		5.0'	Representative material from 0.01 original Nichol IF pit, some quartz and minor sulphides, considerable iron oxides.

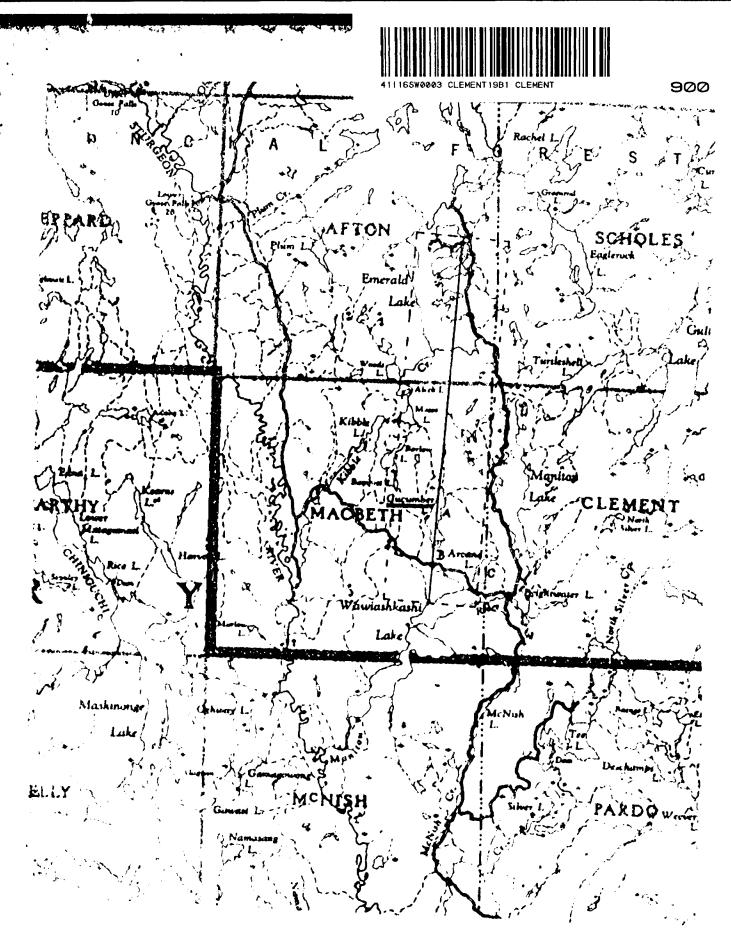
Note: no gold observed in samples.

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TO FOLLOW

# SAMPLE REPORT Richol Option Medicth Top

Sample 10c.	Trench	Kidsh	Description	Da. Gold
112	3	30"	Querts epures pyrite, minor iron	0.29
113	3	70,	AndesiteEW, trace pyrite and	0.01
114		244	AndesitePV, bleached, considerable	0.22
115		224	discominated pyrite Quarts-minor puls pyrite	0.05
116		12"	Andersto-30, 6" at contact cherty,	0.01
117	•	18"	minor pyrite AnderitePV, bleached, † quarte, disseminated pyrite	0.15
118	5	11.	Quarta-trece pyrite	0.01
119	5	18*	AndoeiteBi, trese pyrite	0.01
120	8	12"	Andesite Fi, broken, bighly exidised	0.04
181	6	12"	Quartotrees pyrite	1.76
122	6	12"	Andocitom, troco pyrite	0.05
123	7	6*	Quartelightly oxidized	0.04
124	7	18"	Andesite Mr, fractured, lightly oxidized	0.01
139		5.0*	Chips from the exposed dip surface of a quarts vein, 6"+ in thickness, no banguall, asimuth 305", dip 45"HE, about 500" eastward from the beaver das on lover Cucumber Lake	Te
140		5.00	Located about 50° My of No. 139, across strike of a silicons member of iron formation, some pink oxides	***
242		4.01	Chips of milissons from formation, from treach 10° west of No. 140	0.98
142		3.01	Siliseous from formation, lower portion of TF outgrop, located about 100° ventured from No. 139	0.01
243		5.0	Representative enterial from original Richal IF pit, some quarts and sinor sulphides, considerable iron poides	o.or





Proposed Prospecting Area Nichol Option, Ont.

Scale 1" = 8 mi.