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GEOLOGICAL REPORT

ON THE

HARAMA MARBILE PROPERTY

PARKIN TOWNSHIP

DISTRICT OF SUDBURY

ONTARIO

FOR

ONTARIO QUARRIKS INC.

E. Sawitzky
Norwin Geological Ltd.
December, 1992

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MINING LANDS BRANCH

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SUMMARY

The Harama marble deposit is located in Parkin Township, approximately 40 kilometers north of Sudbury, Ontario. The deposit occurs adjacent to a public access road, has a nearby water supply, and is relatively close to an electric power source.

The marble from this deposit is unique. The highly attractive and distinct textural patterns present a variety of potentially marketable products. This ranges from a marble breccia consisting of a spectacular mosaic of interlocking varied-sized blocks to bedded marble with both uniform laminations and folded to convoluted "gneissic" bedding planes. The marble tends to be multicoloured with pink, green and cream colours predominating.

Only preliminary comments can be made at this time regarding the jointing in this deposit. Although jointing is fairly common on surface due to solution weathering the field evidence and the appearance of the material extracted to date indicate that joint surfaces have been sealed or 'healed' by secondary carbonate.

Potential marble reserves from the deposit are estimated to be in the order of 930,000 tonnes, calculated to a 60 meters depth. Further exploration including diamond drilling, geological mapping or power stripping could lead to increased reserve potential.

It is recommended that further work be carried out on the property and include a detailed jointing analysis and a small diamond drill program to delineate the dimensions of this deposit.

1. INTRODUCTION

On November 18, 1992 Ontario Quarries Inc. requested Norwin Geological Ltd. to carry out geological and topographic surveys of the Harama Marble deposit with the objective of defining the reserves and the geological characteristics of the deposit relative to the use of the various rock units on the property as building stone.

Between November 19 and December 4, 1992, a programme of line-cutting, geological mapping and topographic surveying using rod and stadia was undertaken. The following report is a presentation of the results of the work carried out in evaluating the potential of the property.

2. PROPERTY LOCATION AND ACCESS

The property is located in the west central part of Parkin Township, District of Sudbury, Concession 1V, Lots 10 and 11, approximately 40 kilometres north of Sudbury, Ontario.

Access to the area is via a public service road leading north a distance of 5 kms from Hwy.545, 13 kms north of the town of Capreol (Figure 1).

3. CLAIM GROUP AND STATUS

The property consists of nine (9) unpatented contiguous mining claims in good standing, in Parkin township, District of Sudbury as listed in Table 1.

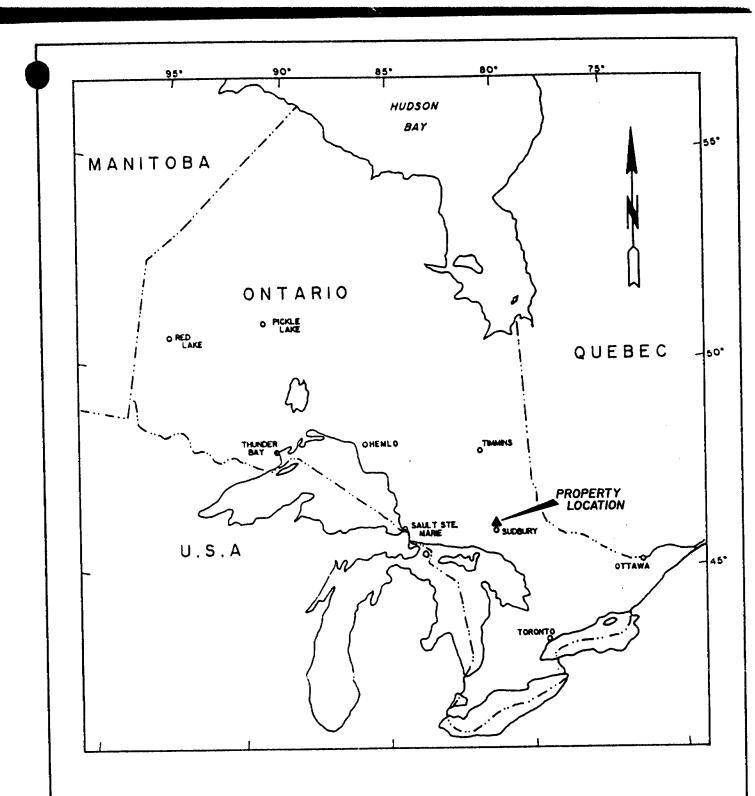


FIGURE I

GENERAL LOCATION MAP

ONTARIO QUARRIES INC.
HARAMA MARBLE PROPERTY
PARKIN TOWNSHIP ONT.

Table 1

Harama Marble Property

Parkin Township Claim Description and Status

Claim Number	Man-Days Credit
865264	200
865265	200
865266	200
865267	200
865269	200
1042298	60
1042299	60
1042300	60
734218	200

4. REGIONAL GEOLOGY

The property lies near the contact between Archean greenstone-granitoid rocks to the west and Proterozoic (Huronian) metasediments to the east which unconformably overly the Archean units. The Huronian metasediments have been subdivided into the following litho-stratigraphic formations in this area: Mississagi, Bruce, Espanola, Serpent, Gowganda, and Lorrain (Meyn, 1970, p.ix). The foregoing rocks have been intruded by dikes of Nipissing-type diabase and olivine-diabase.

The property is underlain by the Espanola and Serpent Formations of the Quirke Lake Group. The Espanola Formation in Parkin Township consists of two members (Meyn, 1970). The lower member is a limestone interbedded with siltstone and the upper

member is a fine-grained siltatone to sandstone. "The total thickness of the Espanola Formation is difficult to determine..... Total thickness is probably between 100 to 200 feet for the limestone..." (Meyn, opt cite, p. 17).

5. PROPERTY GEOLOGY

The geology underlying the claim group consists of interbedded limestone and fine grained wackes of the Espanola formation intruded by mafic intrusive rocks. Stripping and trenching carried out on the property has revealed two areas underlain by limestone deposits (Geology Map, backpocket). The two areas each contain a distinct 'type' of limestone; to the north the limestones are brecciated and to the south the limestones are bedded or laminated. Zone A refers to the area of bedded limestone while the area underlain by brecciated limestones is referred to as Zone B.

5.1 ZONK A - BEDDED LIMESTONE

Geological mapping of this area is preliminary because although extensive areas have received mechanical stripping a large part of the outcrop surface still retains a thin cover of soil. Power washing to clean off this soil is required for detailed mapping and joint analysis.

Underlying Zone A is a series of intercalated limestone, silty limestone, siltstone and mafic intrusive rocks. The relative proportion of each of these rock types is variable with the geology changing from east to west. Rock units and geological contacts trend east to southeast.

The west part of Zone A, i.e., west of the road, is underlain by predominately limestone and mafic intrusive rock (geology map, backpocket). The mafic intrusive rocks occur as east to east-southeast trending dikes and sills of varying widths and appear to occupy about 30% to 35% by volume of the rock mass present. These mafic rocks weather a grey-green colour and have a dark blackish-green fresh surface colour. They are medium-grained, equigranular and diabasic in texture. The rocks are weak to moderately chloritized, saussuritized and amphibolitized. Sulphides occur as fine grained and disseminated pyrite ranging from trace to 1-2%. Minor country rock inclusions are present.

The limestones in this western sector are characteristically bedded or laminated. Minor massive and rare brecciated limestones are also present. These rocks weather a buff colour with fresh surface colours ranging from predominately buff to buff-green with varying amounts of pink and black. The rocks are fine grained and granular to gritty in texture. The limestones are thin to thickly bedded and laminated giving these rocks a planar fabric. laminations (millimetre to several centimetres) have been boudinaged and fragments are distributed in an en echelon pattern. Locally developed folding imparts a convoluted to swirly structure to the rock. Country rock inclusions appear to be absent in this area. Topographic relief in terms of ridges and steep slopes, etc. is much more gentle and subdued in comparison to Zone B.

The eastern part of Zone A (east of the road) is underlain by limestones and mafic intrusive rocks similar to those to the west but it also includes fine grained wackes and transitional silty limestones which may represent a sedimentary facies change. The stratigraphy from the mafic intrusive contact in the south end of the area changes northwards from a narrow sequence of fine grained wackes to a narrow unit of silty limestone to a wide unit of laminated/bedded limestone then back to silty limestones and siltstones. The bedded/laminated limestones form about 50% to 80% of the volume of the rock mass in this area. A brief description

of each stratigraphic unit follows.

The mafic intrusive rocks in this area are a continuation of those in the west part of the property as described above.

Adjacent to the mafic intrusive is a four to five metre wide, thinly bedded, fine-grained wacke i.e., siltstone sandstone. The rock weathers a grey-green colour and has a dark green-grey fresh surface colour. At the contact with the mafic intrusive this rock becomes very granular and friable. Sulphides occur in the form of fine-grained disseminated pyrite ranging from trace to 1/2%.

A transitional unit of silty limestone which is approximately five metres wide follows. This unit is essentially a fine-grained, granular 'dirty' limestone with a high clastic component. The rock weathers a buff-grey colour and is grey on a fresh surface. This unit is thinly bedded to laminated and may contain trace to < 1/2% fine-grained pyrite.

The next unit is a uniformly laminated limestone, fine-grained and gritty in texture, and identical essentially to those limestones in the west part of Zone A. The rock weathers a buff colour and on fresh surfaces is buff-grey in colour with varying amounts of pink, green and minor black bands. The colour banding in the rock is fairly regular averaging 1 cm to 7.5 cm in width. Folding of bedding occurs locally with a resultant convoluted swirly structure being developed. Boudinage structures are present as well as trace amounts of sulphides.

The last stratigraphic unit is poorly exposed over approximately fifteen metres at the north edge of the trench. The unit consists of a heterogeneous mixture of fine-grained wackes intercalated with silty limestone and minor 'clean' limestone. Subunits vary in width from approximately one metre to four metres.

This unit appears to be transitional into the fine-grained wackes of Zone B to the north.

5.2 ZONK B - BRKCCIATKD LIMESTONES

In Zone B the limestones are in contact with fine grained wackes. The contact swings from a westerly trend in the southwest part of Zone B to a more northerly trend in the northeast part of Zone B. The contact is variable in nature with mixed rock types and shearing being present. The contact unit consists of strong to moderately foliated, brecciated rock of mixed marble-siltstone composition which varies in width between two to four metres. Secondary alteration consisting of chlorite and calcite is pervasive in this unit. The contact is poorly exposed north of Line 1+12.5.

The fine grained wackes underlying the south and east parts of Zone B are of an undetermined thickness as the strike and dip of these rocks could not be ascertained at this time. This is in part due to poorly preserved bedding and tectonic brecciation of these rocks. Further mapping outside the limits of Zone B would help to determine the trend of this unit. The rocks consist of very fine to lesser medium-coarse grained wackes with a typically buff-grey weathering surface and a light to dark grey, grey-green fresh Secondary alteration (carbonate?) locally affects the surface. colour of these rocks by bleaching or 'whitening' the rock colour. The resultant rock colour is often mottled. These units are commonly "brecciated" with fragments being polymictic, angular to subrounded and varying in size from several millimetres to three to The brecciation of these rocks should be five centimetres. examined in more detail to determine if the fragments are the result of primary deposition (ie. conglomerates) or secondary deformation. Secondary carbonate (calcite), chlorite and sulphides are locally present. The carbonate and chlorite occur in



stringers, as semi-pervasive alteration and fracture-fillings. Sulphides occur as very fine grained and disseminated pyrite ranging from trace to 1%, averaging < 1/2%.

The limestones occur in the northwest part of the zone forming a large rectangular mass of rock with the present limits of exposed outcrop measuring approximately 45 metres long by 35 metres wide by 10 metres vertically. The deposit may extend further to the north and west where exposure is limited, however, the trend of this unit is unknown. The limestones in this area are devoid of any substantial intercalated beds of clastic rocks (wackes, etc.). This area is characterized by a buff, buff-green and pink coloured limestone displaying a brecciated texture and convoluted bedding.

This unit, characterized by its brecciation, consists of fragments ranging in size from less than 10 centimetres to large blocks several metres in diameter, averaging 25-35 centimetres. In one part of this unit, centred on Line 1+12.5 and between 0+25 and 0+35 west, the fragments are much smaller (10-15 cm) than in the rest of the unit. The fragments consist of (originally) massive to laminated limestone. The limestone is fine to medium grained and somewhat granular in texture. Thin (millimetre to centimetre) laminae of silty composition within the limestone imparts a bedded or planar fabric to the fragments. The laminae themselves have been boudinaged to form small fragments with an en echelon pattern within the larger limestone fragments. The rocks weather a buff colour and have a pink, pinkish-green or buff-green fresh surface colour.

Within this unit are minor inclusions of unaltered country rock varying in size, composition and shape. The distribution of these inclusions appears to be concentrated south of Line 1+25N. Thin overburden precludes a final analysis of their distribution.

The limestones in this area form a series of ridges 'stepping down' to the west in elevation. The differential weathering of the limestones forms a very irregular outcrop surface, which is 'knobby to knotty'-like.

5.3 STRUCTURK

The general trend of the package of rocks under consideration i.e. Espanola Formation limestone-wackes is northwest (Meyn, Map 2180). However, geological contacts of specific rock units appear to trend westerly with foliations trending west to northwest. Meyn, (opt cite) has indicated a major northwest trending fault parallel to Mowat Creek which lies immediately to the west of the property.

Several widely spaced (generally > 10 metres) shears transect the limestone breccia in Zone B (Geology Map, backpocket). These narrow (few centimetres) shears trend approximately north-northeast (20° - 45°) and appear to parallel a set of regionally developed faults (Meyn, opt cite, Map 2180) with a similar trend.

Small-scale folds, on a scale of decimeters to metres, are developed locally in several places in both Zones A and B. Refolding of these folds has produced a swirly convoluted pattern in the limestones. Detailed mapping would be required to establish the distribution pattern of these folded areas.

In an earlier report (Sawitzky, 1991) it was hypothesised that a large scale fold structure may exist connecting Zones A and B. Recent stripping on the property in key areas suggests that this interpretation was incorrect. The intervening area appears to be underlain predominately by fine-grained wackes. This has implications with respect to reserve calculations and is discussed in Section 8.

5.4 JOINTING

A thorough and detailed joint/fracture study of the A and B Zones was not possible mainly because of the thin frozen overburden cover (approximately 20% of Zone B and 70% of Zone A). In Zone B, a preliminary study was initiated and where possible most of the major and significant surface joints/fractures were mapped on both horizontal and vertical surfaces as indicated on the accompanying Geology Map. The development of a knotty or knobby surface due to solution weathering of the limestone and strong differential weathering makes the analysis of jointing difficult between 1+30 and 1+45 north from 0+23 to 0+37 west.

ZONE B - JOINTING

Jointing appears to be developed in a set pattern with prominent joint orientations and spacings developed as follows:

- 1) Azimuth 270 285, dipping 85 90 north; prominent jointing direction, discontinuous, 0.5 m to > 3.0 m joint spacing, throughout.
- 2) Azimuth 340 350, dipping 80 90 northeast; common jointing direction, discontinuous, irregular joint spacing commonly > 2 m to 3 m with narrow zones of tight jointing from decimeters to 0.5 m, throughout.
- 3) Azimuth 040 050, dipping 80 85 northeast and northwest; moderately common joint direction, discontinuous, irregular joint spacing commonly > 2 m with narrow zones of tightly spaced joints ranging from approximately decimeters to 0.3 m, throughout.

A joint set with azimuth 290 - 310, dipping 80 - 90 northeast

occurs in several places throughout the outcrop. This set may be part of group 1) joint set. Joint spacing was not determined.

The horizontal joint development (sheeting) can be observed on two north trending vertical ridge faces and two east trending vertical faces. However, of these four faces only one was 'clean', allowing for joint measurements. These joints almost ubiquitously have a 10 - 15 degree dip to the east. Joint spacing is commonly > 2 m to 3 m. Weak to hairline joint planes may be developed locally between the latter widely spaced joints. The significance of these weak joint planes is as yet unknown.

6. BUILDING STONE ATTRIBUTES

Unquestionably the dominant attribute of this marble is its uniqueness. The marble has a very distinctive and varied textural pattern and colouration. This ranges from a marble breccia consisting of a spectacular mosaic of varied sized blocks to a bedded marble with both uniform laminations and folded to convoluted bedding planes. The marble tends to be multicoloured with pink- green hues predominating. The variability of the marble suggests the availability of a varied "product line" from the same deposit.

Several preliminary and general observations made regarding jointing in this area are:

- Joint planes ubiquitously have a vertical dip +\- 10 degrees. Sheeting is uniform with a 10 to 15 degree east dip.
- 2) Joints appear to be commonly sealed by secondary carbonate, mainly calcite.

Joint planes are discontinuous along their strike length and represent a non-penetrative fabric. In some cases joints occur as 5 cm. to 8 cm. wide surface 'cracks' resulting from the differential weathering of secondary carbonate. However, these surface 'crack' will commonly diminish in width to < 0.1 cm across a vertical depth of 1.5 maters. They may be completely sealed below the level of surface weathering.

Another positive attribute of the deposit is the terraced topography dominated in Zone B by steep-sided natural ridges allowing for easy access for block extraction.

The potential tonnage available from Zone A is obviously large and can easily be increased with more exploration. The available reserves of Zone B appear to be more limited, however, diamond drilling may prove up more marble to the north and west of the present outcrop exposure. Also the vertical dimension of the deposit is likely to be substantial, enough to allow for many years of production.

The property is accessible by a public road (which will need some upgrading for block removal) a distance of 5 km from an all-weather highway and 13 km north of Capreol. An adequate supply of water for any purpose is readily available nearby.

7. TOPOGRAPHIC SURVKY

A topographic map of Zones A and B is presented in the backpocket of this report. The survey was carried out using a survey level and stadia rod. Survey data consists of readings taken along grid lines spaced generally at 12.5 m and with a station interval of 5 to 10 metres. Elevations are contoured at a 1 metre interval.

Zone A is underlain by a small knoll gently dipping to the east. Most of this area consists of gently rolling rock surface and only between 0+75 and 1+00 east along Line 0+00 does the topography become dominated by sharp and steep ridge faces.

Zone B forms a large knoll gently inclined to the east but dominated by prominent ridge faces throughout. The limestone breccia of this zone consists of several subvertical, northerly to easterly trending ridges with relief of from 3 metres to 10 metres.

8. RESERVE ESTIMATES

The "reserves" calculated, herein, are categorized as tonnage in place based on the surface work since no subsurface data is present and no evaluation has been carried out relative to the production of blocks, percentage utilization, etc.

Previous tonnage estimates (September, 1991) were based on several assumptions which included:

- 1) an estimate of the depth of the deposit
- 2) approximation of the surface area of the deposit
- 3) specific gravity of the marble
- 4) an interpreted fold structure. This was suggested in an earlier report (Sawitzky, 1991) however, recent stripping indicates this hypothesized structure is probably not present.

Although assumptions 2 and 3 have been redefined in the present calculations these variables are subject to further revision as exploration proceeds.

The potential tonnage of marble available from the property is as follows:

- A) Assumptions (estimates) used in these calculations are:
 - i) specific gravity of marble = 2.85 ('true' measured S.G. will probably not vary greatly from this figure).
 - ii) depth estimates of 30 metres and 60 metres are used and are considered to be reasonable numbers.
 - iii) Exposed surface area of Zone A =

length 155 metres; width 25 metres.

Exposed surface area of Zone B = 45 metres $\times 35$ metres $\times 10$ metres (height).

Diamond drilling to the north and west of the presently exposed outcrop surface may extend the dimensions of the deposit and increase tonnages.

B) Tonnage Calculations:

Zone_A

30 m Depth -

Length x Width x Depth = Volume $155 \text{ m} \times 25 \text{ m} \times 30 \text{ m} = 116,250 \text{ cubic metres}.$

Tonnage = Volume x S.G. = $116.250 \text{ cu/m} \times 2.85 = 331.312 \text{ tonnes}$ 60 m depth -

Tonnage = $232.500 \text{ cu/m} \times 2.85 = 662.625 \text{ tonnes}$

Zone B

30 m Depth -

Length x Width x Depth = Volume

45 m \times 35 m \times 30 m = 47.250 cubic metres

Tonnage = Volume x S.G.

 $47,250 \times 2.85 = 134,682$ tonnes

60 m depth

Tonnage = $94,500 \text{ cu/m} \times 2.85 = 269,325 \text{ tonnes}$

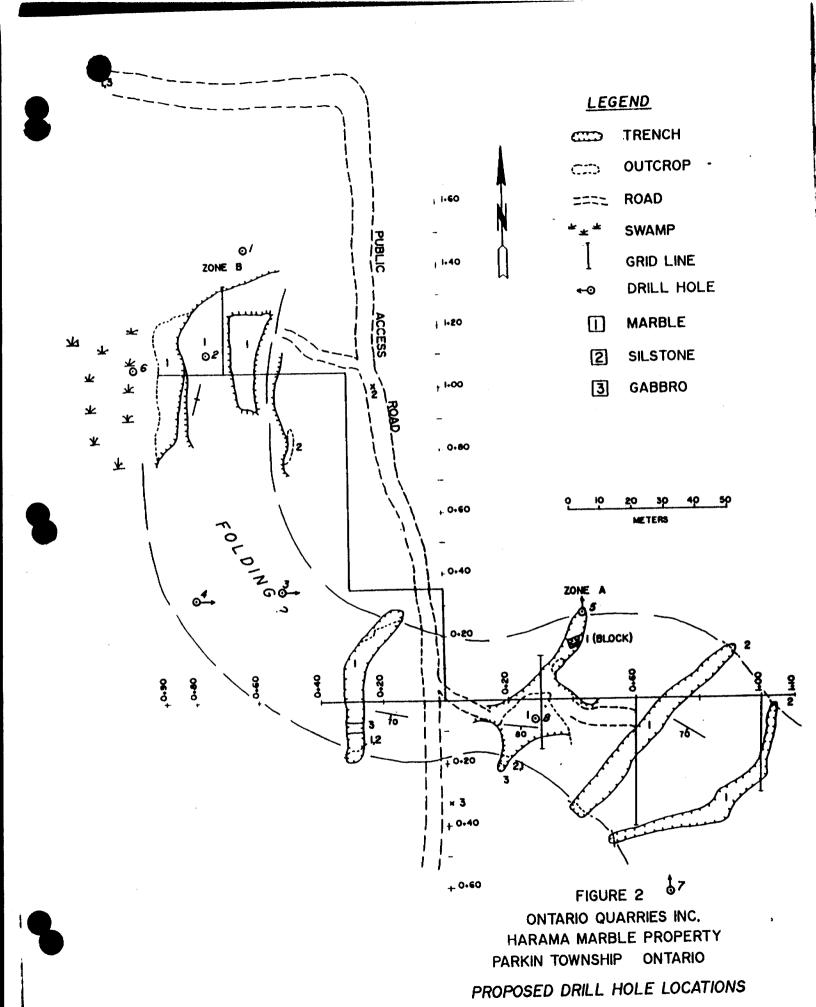
9. RECOMMENDATIONS

- 1) Jointing must be studied in greater detail to ascertain its effect on the size of blocks that can be extracted from the limestone breccia underlying Zone B. This can be carried out by;
 - a) detailed surface mapping of all jointing.
 - b) the removal of a minimal amount of surface rock from present ridge surfaces to develop clean vertical ridge faces for joint analysis. This will help determine to what degree jointing is developed in the limestone at a depth of approximately 10 metres, below the effects of surface weathering and solution.
- 2) A more detailed study of the jointing and distribution of rock types underlying Zone A should be carried out next spring after the outcrops in the area have been washed using a hydraulic pump.
- 3) ASTM testing of the limestones from Zones A and B should be carried out.

- 4) The rocks underlying the area between Line 0+75 and 0+25 north and from the baseline west are very poorly exposed or not at all. Further power stripping and diamond drilling would help to determine the proportion of limestone occurring in this area.
- 5) Thin-section study of unit 1 (Bx) to determine degree of microfracturing present, if any.
- 8) A small diamond drilling program is recommended consisting of several shallow drill holes, less than 80 metres in depth. The location of the proposed drill holes is shown in Figure 2 and the length and purpose is presented in Table 2.

Table 2
Freposed Diamond Drill Holes

DDH Number	Estimated Hole Length (metres)	Purpose
1.	25 metres	north strike extension of breccia
2.	60 metres	determine depth of deposit
3.	10 metres	determine rock type
4.	10 metres	determine rock type
5.	60 metres	determine rock type
ťŠ.	25 metres	determine eastern limit Zone B marble
7.	60 metres	delineate SW extension of marble
8.	60 metres	determine depth of marble in Zone A.



10. BIBLIOGRAPHY

1. Heyn, 1970

Geology of Hutton and Parkin Townships, ObM Geol. Report 80.

2. Sawitzky, 1991

Harama Marble Property in-house company report.





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Inorganic Materials Section

TESTING OF MARBLE DIMENSION STONE

Construction Materials Report No. 93-T16-U000645-001 (4 pages)

D.E.Renton January 19, 1993

for

Ontario Quarries Inc. 1177 Lonsdale Avenue Sudbury, Ontario P3B 1K3

Attention: Rachel Prudhomme



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2 of 4

Testing of Marble Dimension Stone, #93-T16-U000645-001 For: Ontario Quarries Inc.

MATERIALS & TESTING

Cut-to-size test specimens of marble dimension stone were received at ORTECH (see Table 1 for sample identification numbers). After drying to constant weight in an oven at 60°C, the specimens were tested according to the procedures outlined in the following standards.

- 1. "Absorption and Bulk Specific Gravity of Dimension Stone" (ASTM C97-90).
- 2. "Compressive Strength of Dimension Stone" (ASTM C170-90, tested dry, in one direction of the rift).
- 3. "Modulus of Rupture of Dimension Stone" (ASTM C99-87).
- 4. "Abrasion Resistance of Stone Subjected to Foot Traffic" (ASTM C241-90).
- 5. "Flexural Strength of Dimension Stone" (ASTM C880-89).

RESULTS

The results of these tests are recorded in Table 2.

CONCLUSIONS

These results indicate that the submitted sample of marble dimension stone complies with the specifications of ASTM C503-89 "Marble Dimension Stone (Exterior)".

D.R. Renton Inorganic Materials

L. Luckevich, Manager Inorganic Materials Testing of Marble Dimension Stone, #93-T16-U000645-001 For: Ontario Quarries Inc.

TABLE 1
Identification Sample Numbers of Test Specimens

Specimen Size		ORTECH Sample Number
1.	2" x 2" x 2"	93-T16-C0218A,1-3
2.	2" x 2" x 2"	93-T16-C0218B,1-5
3.	4" x 8" x 2 1/2"	93-T16-C0218C,1-3
4.	2" x 2" x 1"	93-T16-C0218D,1-3
5.	12" x 1 1/2" x 1"	93-T16-C0218E,1-5

Testing of Marble Dimension Stone, #93-T16-U000645-001 For: Ontario Quarries Inc.

TABLE 2
Properties of Marble Dimension Stone

Property	Test Results	Specification (ASTM C503-89)
Absorption, %	0.20 0.18 <u>0.21</u> 0.20	max. 0.20
Density (unit weight), lb/ft ³	169 168 <u>168</u> 168	min. 168 (III Serpentine)
Compressive Strength, psi	12280 14660 17950 13785 <u>11770</u> 14090 ⁽¹⁾	min. 7500
Modulus of Rupture, psi	1790 1680 <u>1770</u> 1745	min. 1000
Abrasion Resistance (hardness value)	12.3 12.6 <u>12.7</u> 12.5	min. 10
Flexural Strength, psi	1049 1175 1241 872 <u>1133</u> 1094	min. 1000

⁽¹⁾ These test specimens tended to crumble (not split) at maximum loading.

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Rachel Prudhomme, M.Sc., P.Eng. President

Work Report W937000048 SUMMARY OF EXPLORATION AND DEVELOPMENT WORK PERFORMED

Ontario Quarries Inc. acquired a block of contiguous claims in Parkin Township containing "marble" according to the industrial definition of the term in late fall of 1992. Since then there has been a tremendous amount of work conducted on the claims to determine the extent of the marble deposit, the quality, consistency, colour and texture of the stone, the engineering properties of the stone and its marketability in domestic and international markets. In summary, it has been determined that the deposit contains a stone that is highly desirable and unique in the dimension stone markets in America and abroad and is very significant in terms of its volume. The stone has excellent physical properties as its meets or exceeds ASTM standards for marble dimension stone for exterior use. There is quite a variation in colour, texture and pattern of marble within the same deposit. This along with the fact that the fracturing and jointing patterns in the stone had not yet been studied previous to our acquisition of the claims meant that there had to be detailed mapping done by a professional geologist to qualify the deposit further.

A very large amount of exploration and development work has been conducted on this block of claims in the last months. This work has been supported in great part by financial incentives from MNDM who greatly support this project and have encouraged us to continue in our efforts to develop a fully producing marble quarry. There was a Norfund project completed this year by us on these claims in the amount of \$164,400 (level of assistance: \$75,000). There was also a N.O.R.T. project of \$394,849 approved by the provincial government which is now 90 percent complete (level of assistance: \$195,000). There is also an O.M.I.P. project approved for this block of claims in the amount of \$509,250 for 1993 which is 80 percent complete (level of assistance: \$152,775). An finally, there is a Norfund project to purchase and operate two special diamond wire saws in order to permit the proper extraction of full-sized test blocks for marketing and technical studies (level of assistance: \$50,000). The saws were purchased and imported from a manufacturer in Italy as they are not available anywhere in North America.

(continued on page 2)

As you can easily see from the previous, a very small portion of the total work done to date is being reported for assessment work at this time due to the small number of claims presently in need of work reports for renewal. In summary, the work that is being reported at this time involved geological mapping to a level of detail that is critical in the evaluation of a dimension stone deposit. Because fracturing and jointing are the most important properties that will determine whether or not a marble deposit can be quarried at a profit, it is necessary for a geologist to spend a great deal of time studying a relatively small area of the deposit in great detail. This level of detail is not normally needed on metallic mineral prospects, but it is essential to the evaluation of dimension stone. It also helps determine the types of products that will be viable for commercialization from the deposit (i.e. will the deposit support the fabrication of marble tiles for flooring, countertops, artifacts, monuments, cladding for buildings, etc.).

The work required to determine the above properties and to produce the report and map which were submitted with the work report to MNDM involved several days of field work and office work by a qualified geologist. The field work consisted of: establishing an accurate detailed grid, surveying for both line and grade elevations and geological work to identify rock patterns and structure. The office work included drafting maps, compiling data, writing the report and typing and editing of the report. There was a significant amount of travel required to complete the field work, maps and report (about 600 km). The result included a general indication of regional geology, specific details of the geology of the marble property itself, a detailed analysis of structure, jointing and topography of the deposit, reserve estimation, as well as a qualified opinion on the building stone potential of the property and recommendations for a diamond drilling program and methods of extraction for test blocks.

THE ABOVE INFORMATION IS CERTIFIED BY ME AS BEING TRUE AND ACCURATE. October 18, 1993.

Rachel Prudhomme, M.Sc., P.Eng.

President, Ontario Quarries Inc.

ONTARIO QUARRIES Inc.

1177 Lonsdale Avenue Sudbury, Ontario Canada P3B 1K3

tel.: (705) 688-6600 / 560-4846

fax: (705) 524-9914

Rachel Prudhomme, M.Sc., P.Eng. President

Work Report W937000048

BREAKDOWN FOR THE WORK THAT PERTAINS TO THE COSTS BEING CLAIMED

The following is a breakdown for the work that pertains to the costs being claimed in the format required in the deficiency list (MNDM File No. 2.15067):

Linecutting:

No linecutting was required, as the entire area mapped and studied

had been completely excavated, stripped and washed by air-blasting

with a compressor.

Geology:

5 man-days were spent on geology (@ \$300 / day)

Topography:

2 man-days to establish the grid line

(1 @ \$300, 1 @ \$150)

2 man-days for surveying (spot elevations, contours and grades)

(1 @ \$300, 1 @ \$150)

Report:

4 man-days for drafting (@ \$120 / day)

R. PRUDHOMME

2.5 man-days for writing the report (@ \$300 / day)
0.5 man-days for typing and editing (@ \$120 / day)

Although the above man-days and costs are true and accurate, please note that we had negotiated a lump-sum deal with the geologist and therefore, he was committed to charging a lump sum fee of \$2,589.40 for the geological report and mapping.

The above information is certified by me as being true and accurate to the best of my knowledge. I can attest that I was present in the field and the man-days reported are true and accurate in terms of the field work. Man-days for office and drafting work are reported herein as they were presented to me by the geologist in charge of the work.

Dated: October 18, 1993.

Rachel Prudhomme, M.Sc., P.Eng. President, Ontario Quarries Inc.





900

Ministry of and Mines

Ministère du Northern Development Développement du Nord et des Mines

Geoscience Approvals Section Willet Green Miller Centre 933 Ramsey Lake Rd., 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (705) 670-5853 (705) 670-5863

Our File: 2.15067

Transaction #: W9370.00047

: W9370.00048

October 22, 1993

Mining Recorder Ministry of Northern Development and Mines 933 Ramsey Lake Road 3rd Floor Sudbury, Ontario P3E 6B5

Dear Sir:

RE: APPROVAL OF ASSESSMENT WORK ON MINING CLAIM S 865266 IN PARKIN TOWNSHIP.

The Assessment Credits for GEOLOGY and OTHER AUTHORISED WORK, sections 12 and 17 of the Mining Act Regulations, as listed on the above reports of work, have been approved as of OCTOBER 18, 1993.

Please indicate this approval on the claim record sheets.

If you have any questions please call Clive Stephenson at (705) 670-5856.

Yours sincerely

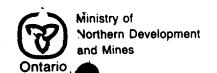
Ron Gashinski

Senior Manager, Mining Lands Section Mining and Land Management Branch

Mines and Minerals Division

cc Assessment Files Office Toronto

Resident Geologist Sudbury



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for corresp this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- instructions: Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.

- Techni	ical reports and maps m	ust accompany this form in dethe work is assigned to, must	uplicate.		
Recorded Holder(s)	THRIO QUARE	LIES INC.	Client No. 223661 Telephone No.		
Address			3B-1K3 Telephone No. 560-4846		
Addition Di Intern		Township/Assa	M or G Plan No.		
Dates	BURY		G 2915		
Work From: Performed	JAN. 2/93	То:	JAN. 19/93		
Work Performed (Chec	ck One Work Group On	у)			
Work Group		Туре	RECEIVED		
Geotechnical Survey					
Physical Work, Including Drilling			JUN 1 5 1993		
Rehabilitation			MINING LANDS BRANCH		
Other Authorized Work	SECT. 17- R	ESULTS OF BENEF A.S.T.M. TESTING FOR	ICIATION - INDUSTRIAL MINERALS		
Assays					
Assignment from Reserve					
Total Assessment Worl	k Claimed on the Attach	ed Statement of Costs \$.	1508.70		
Persons and Survey (Company Who Perform	ed the Work (Give Name and	Address Address Address Address		
ORTECH 1	NTERNATIONAL	2395 SPEAK	MAN DR., MISSISSAUGA, ONT.		
		RE	CORDED		
			RECEIVED		
		JU	N 3 - 1993		
	attach a schedule if necessary) Receipt 2/14 Minus				
Certification of Benef		ote No. 1 on reverse side	Recorded Holder or Agent (Signature		
report were recorded in the by the current recorded had	work was performed, the clair current holder's name or held u older.	ns covered in this work oder a beneficial interest	$A = A \setminus $		
Certification of Work	Contiduction of Work Report				
I certify that I have a pers	conal knowledge of the facts a ed report is true.	et forth in this Work report, having pe	erformed the work or witnessed same during and/or after		
Name and Address of Person Certifying RACHEL PRUDHOMME, P.Eng 1177 LONSDALE AVE. SUDBURY P3B 1K3 Telepone No. Date Certified By (Signature) 11					
Telepone No.	HOMME, Fithe 11 //	Certified By	UDBURY P3B1K3		
560-4846		1/93 da	chelling .		
For Office Use Only Actus SUDBURY					
Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp MINING DIV.		
	Detreed Approval Date	Date Approved			
a 508	X= T 1/9	2	JUN - 3 1993		
81,508	Date Notice for Amendments	Sent	7/8/9/10/11/12/1/2/3/4:5/6		
0241 (03/91)	-		11.0300#		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	5 865266		1508.70	ø	1508,70	
	1042300	1	Ø	93		
	1042301	1	ø	400		
	104 2297	1	ø	400		
*	104 2298	١	Ø	400		
	117 9 2 27	2	ø	215 RP.		
			,			
				UN 1 5		
			RECEIVED JUN 1 5 1993 MINING LANDS BRANCH	CEI 1 2		
			5 1993 US BRAN	JUC NININ		
			RECEIVED JUN 1 5 1993			
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	6		1508.70	1508.	1508.	
·• •• ••	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

etions, please Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of which claims you wish to priorize the deletion of credits. Please mark (\succ) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
 - Credits are to be cut back equally over all claims contained in this report of work.
 - Credits are to be cut back as priorized on the attached appendix. લાં છે

In the event that you have not specified your choice of priority, option one will be implemented.

Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims. Note 1:

If work has been performed on patented or leased land, please complete the following: Note 2:

98



Ministry of Northern Development and Mines

tère du eloppement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction 9370. 000 41

2.15067

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Туре	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		42.6
Contractor's and Consultant's	ORTECH .	1257.25	
Fees Droits de I'entrepreneur	ORTECH ASTM TESTS Building Stone		
et de l'expert- conseil			1259.45
Supplies Used Fournitures utilisées	Туре		
			7
Equipment Rental Location de	Туре		
matériei			
			19 (3)
	Total Di	rect Costs	172435

Total des coûts directs

Note: The recorded holder will be required to verify expenditures claimed in

all or part of the assessment work submitted.

2. Indirect Costs/Coûts indirects

Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Туре	Description	Amount Montant	Totals Total global
Transportation Transport	Type to OBTAIN SAMPLES- Y2-TON 4x4 (5 TRIPS)	169.75	
	TRANSPORT SAMPLES TO ORTECH IN	40	
	RECEIVE		7.30 7.3 1
	RECEIVE	ו	135
Food and Lodging	JUN 1 5 199	3	
Nourriture et hébergement	MEALS		130
Mobilization and Demobilization Mobilisation et démobilisation	MINING LANDS BR	ANCH	
	Sub Total of India Total partiel des coûts		. 5
	(not greater than 20% of Dir • (n'excédant pas 20 % des c		145
Total Value of Ass (Total of Direct and		ale du crédit	38,70

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

 Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

this statement of costs within 30 days of a request for verification. If

verification is not made, the Minister may reject for assessment work

Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

-	Total Value of Assessment Credit	Total Assessment Claimed
,	× 0.50 =	

Certification Verifying Statement of Costs

I hereby certify:

that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as RESIDENT, ONTARID QUARRIES INC. I am authorized (Recorded Holder, Agent, Position in Company)

to make this certification

Remises pour dépôt

indirect costs)

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- 2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
× 0,50	=

Attestation de l'état des coûts

J'atteste par la présente :

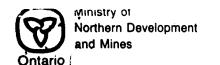
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de		_ je suis autorisé
(titulaire enregistré,	représentant, poste occupé dans la	compagnia)

à faire cette attestation.

dant Indle	JUNE 3/93

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.



Report of Work Conducted After Recording Claim

Transaction Number

Mining Act

Personal internation collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions: Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.

		must accompany this for the work is assigned to			
Recorded Holder(s)				Client No.	
	QUARRIES			#alaabaaa Ma	3661
1177 LON	USDALE AVE	JUDBURY	P3B-1K	3 560	-4846
Mining Division	RY	Township/Area PARKIN			1915
	Nov. 19/92	1 // KKIK		_	
Performed	Nov. 19/92		DEC	4/92	
Work Performed (Chec	k One Work Group O	nly)	<u> </u>		
Work Group			Туре		
Geotechnical Survey	GEOLOGICA	+L REPORT	DETAILES	> MAPPING	
Physical Work, Including Drilling					
Rehabilitation			RE	CEIVE	
Other Authorized			1	CEIVED	
Work			JUN	1 5 1993	
Assays			1		
Assignment from Reserve			MINING L	ANDS BHANCH	
Total Assessment Work	Claimed on the Attac	hed Statement of Costs	s 310	7,28	
Persons and Survey C		ned the Work (Give Na		ress	on)
NORWIN GEO	LOGICAL SERVIA	S NOTRE	DAME AV	E., SUDB	uRY
				ECORDED	
			,	JUN 3 - 1993	
(attach a schedule if nec	essary)		Recei	pt_20H	
Certification of Benefi	cial Interest * See I	Note No. 1 on reverse a	ilde		· · · · · · · · · · · · · · · · · · ·
I certify that at the time the report were recorded in the c by the current recorded ho	urrent holder's name or held t		T 6-	Recorded Holder or Act	on (Signatule)
Certification of Work I	Report				
		set forth in this Work report, I	aving performed th	ne work or witnessed sa	me during and/or after
its completion and annexed Name and Address of Person			11 U M		
RACHEL PRI	ADHOMME, P. I	Eng. 1177	LONSDAL	EAVE. S	LDBURY P3BIK3
Telepone No. 560 - 48.46	-	J Cer	ified By (Signature)	Paudl	٥
For Office Use Only		,	\		
Total Value Cr. Recorded		ACTINC		Received Stampi D	
	Date Recorded	Mining Recorder		Heceived Stamps L	BURY NG DIV.
	Sime 3.1	993 K. Suis	ωψ	MINI	IVED
85,107	1 /		uy	RECE	NG DIV.

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	5 865266	<u>, </u>	3107.28	Ø	3107.2	8
	1118311			400		·
	111 8312			400		
	111 8313			400		
,	1118314	1		400		
	111 8315			400		
	111 8287	1		400		
	104 2299			400		
	104 2300	<u>.</u>		307		
					·	
<u> </u>						
			-			
	9		3107.28	3107	3107.	
fi.	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (σ) one of the following:

Credits are to be cut back equally over all claims contained in this report of work. Credits are to be cut back starting with the claim listed last, working backwards.

Credits are to be cut back as priorized on the attached appendix.

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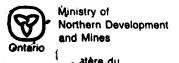
In the event that you have not specified your choice of priority, option one will be implemented.

Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims. Note 1:

following:
Ę
e complete
d, please
d land
6886
ō
s been performed on patented or I
performed
been
þa
f work
Note 2

Date		
I certify that the recorded holder had a beneficial interest in the patented Signature	or leased land at the time the work was performed.	

1.4





Statement of Costs for Assessment Credit

Etat des coûts aux fins

du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./Nº de transaction 03711-000

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains minières, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4º étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Туре	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		**************************************
Contractor's and Consultant's Fees Droits de l'entrepreneur	Geological Report	2589.40	
et de l'expert- conseil			2399
Supplies Used Fournitures utilisées	Туре		
Equipment Rental Location de matériel	Type AIR Compressor to clean surface for mapping	\$450	

Total Direct Costs Total des coûts directs

2. Indirect Costs/Coûts Indirects

* Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Туре	Description	Amou Monta	
Transportation Transport	Type 97 kme 354 Y2- TON TRUCK (1	2 (7.4	10
	RECEIVE		
Food and Lodging Nourriture et hébergement	JUN 1 5 199	3	
Mobilization and Demobilization Mobilisation et démobilisation	HUNDO LAND. TIM	WCH]	
	Sub Total of Total partiel des c		
	(not greater than 20% o (n'excédant pas 20 %		
Total Value of Ass (Total of Direct and indirect costs)	Allowable d'éval	r totale du créd luation des coûts directs rects admissibles	

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours sulvant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- 1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- 2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit Total Assessment Claimed \times 0.50 =

Remises pour dépôt

- 1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- 2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:

that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

(RESIDENT, OWARIO QUARRIES INC.) am authorized (Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :

que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de ______ je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature /	Date
$1 \times 1 \times$	June 3/93.
Naco- Track	e June 3/13.

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

MIDEX TO LAW DISPOSITION SUDJURY 6-5918 SUDBURY SUDBURY 2.15067 MINING & SURFACE RIGHTS OPENED JUNE I, ISSR . APPEARS ON THIS MAP
HAS BEEN COMPILED
FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE ING CLAIMS SHOULD CON-DISPOSITION OF CROWN LANDS SULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOP.
MENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE 1117400 PARTES NOTE : TOWNSHIP SUBDIVISION PARTIALLY ANNULLED MARCH 8, 1949 IN AREA MARKED THUS LALLE STAKING ALLOWED AS IN UNSUBDIVED TOWNSHIP - SECTION AS MINING ACT.

lend disposition drafting by Surveys and Mapping

The disposition of lend, focation of let febric and perce

WINE TO LAW TOUSPOST TON E.N.R. SON MIST OF TEDES OF SUD JURY MINIST DIVE 11 1 6-291 JINBI HY ALD THE PREGISTRY WISHER SUDBURY PARKIN 991184 AREAS WITHDPAWN FROM DIS POSITION MRO - Mining Rights Only SYMBOLS REPORTED IN # W 9370,00048 9245.25 985126 484528 £ W9370,00047. OUTLINE OF BLOCK OF CON-TIGUOUS MINING CLAIMS COUNED BY ONTARIO QUARRIES INC. 179228 ■ LOCATION OF CLAIM POST (APPROXIMATE ONLY - MANY ARE MISSING DIE TO MNR PRESCRIBED BURN) DATE OF ISSUE 007 1 8 **19**93 SUDBURY MINING RECORDER'S OFFICE 734712 734217 734705 648326 754710 734708 1991549 1991550 MINING & SURFACE RIGHTS OPENED JUNE 1, 1992 648460 THE INFORMATION THAT THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON. DISPOSITION OF CROWN LANDS Surface Rights Only. NOTE : TOWNSHIP SUBDIVISION PARTIALLY ANNULLED MARCH 8, 1949 IN AREA MARKED THUS LILLIUM STAKING ALLOWED 993 447 993738 AS IN UNSUBDIVED TOWNSHIP - SECTION 45 MINING ACT. The disposition of land, location of lot fabric and percel boundaries on Map base and land disposition drafting by Surreys and Mapping Branch, Ministry of Natural Resources.

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