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**RECOMMENDATIONS FOR FURTHER ASSESSMENT OF MARBLE RESOURCES
LEO D'OR PROPERTY - BONANZA LAKE, VANCOUVER ISLAND**

Background

The writer has supervised two previous exploratory programs on the Leo D'Or mineral claim. These include a limited, helicopter-supported diamond drilling program in the eastern claim area in 1991 and first-phase geological mapping of the entire claim area in 1993.

The more recent geological mapping program identified three areas of apparent good quality marble for potential quarry development in the northern half of the 225 hectare mineral claim. In all three areas, relatively massive marble units displaying a consistency of colour and texture were noted.

One of these, a 600 x 300 metre area in the northwest corner of the claim, includes the test area from which a number of large (1.8 x 1.8 x 2.4 metres = 22 tonnes) marble blocks were extracted in 1993. While this program demonstrated the feasibility of extracting large marble blocks having a uniformity of colour and texture, work was carried out within a relatively restricted area and additional investigative work is required to more properly define the area of better quality marble. This area is readily accessible, being situated immediately east of the Bonanza Lake road.

The other two areas, situated east of and topographically above the first area, include a 200 x 500 metre area previously tested by a limited drilling program and a 250 x 300 metre area on which little work has been done.

Applications for Crown Land, submitted for all three areas, are in the regulatory review process. The mineral claim protects the resource during initial exploratory work but dispositions of Crown Land are necessary before undertaking development work.

Indicated Marble Resource

Limited work on the property by Klohn Leonoff Limited in 1988 suggested some 330,000 tonnes of marble recoverable as large blocks within a 160 x 100 metre area near the northwest corner of the claim. This was the site of the 1993 test area.

At present, there is no assurance that this is the best part of the property. There may be other areas within the three partially defined areas described above that may include better colours and textures of marble that could be of interest to potential buyers.

Proposed Exploratory Program

Further work is required to adequately assess the potential for quarry development within and adjacent to the 1993 test area and the two additional prospective areas on the property.

This work is recommended to consist of a first phase program of detailed geological mapping of all three areas with particular attention directed to consistency of marble colour and texture, the density of fracturing and karst development and the incidence of cross-cutting igneous dykes.

Areas targeted for potential quarry development by initial phase work should be further tested by closely spaced, short hole diamond drilling. The collection of samples for determination of chemical and physical properties would be an integral part of both work phases.

Estimate of Costs

Phase I - Geologist and Assistant	\$10,000
- Accomodation, meals	\$2,000
- Transportation	\$2,700
- Laboratory testing	\$5,000
- Supervision, reporting	<u>\$7,500</u>
	\$37,200
Phase II- Diamond Drilling - 1500 metres	
@ \$90/metre(all-inclusive)	\$135,000
- Accomodation, meals	\$2,500
- Miscellaneous travel	\$2,000
- Laboratory testing	\$5,000
- Supervision, reporting	<u>\$15,000</u>
	\$159,500