

August 15, 2005  
File: 605-0296

**Levelton Consultants Ltd.**

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K2 Stone Quarries  
1940 Bollinger Road  
Nanaimo, BC  
V9S 5W9

Attention: Mr. Doug Davis

**Re: Ocean Pearl Building Stone Testing**

*Construction Materials*  
*Building Science*  
*Geotechnical*  
*Metallurgy and Corrosion*  
*Environmental*  
*Analytical Chemistry*  
*Physical Testing*

Dear Sir:

As requested, Levelton Consultants Ltd. (LCL) has conducted testing of dimensioned stone from your Port Renfrew quarry. This report represents the initial results of *Ocean Pearl Building Stone* submitted to our laboratory. The samples consisted of a hard, durable, very strong, very thinly foliated, fine grained, metamorphic rock.

Three samples of approximately 400mm by 200mm by 80mm were received. Two samples were randomly chosen for the initial testing regime. The samples were cored using a 59 mm diameter diamond tip core barrel.

Our initial work consisted of the following:

1. Density and Absorption, ASTM C 97
2. Compressive Strength, ASTM C 170



The following is a summary of the test procedures:

1. Density and Absorption, ASTM C 97

We performed absorption and density tests in accordance with ASTM: C 97 "Standard Test Method for Absorption and Bulk Specific Gravity of Dimension Stone". The specimens' nominal diameter was 59 mm.

2. Compressive Strength of Dimension Stone, ASTM C 170

We performed compressive strength testing in accordance with ASTM: C 170 "Standard Test Method for Compressive Strength of Dimension Stone" This test was performed on all six cores. The specimens' nominal diameters were 59 mm and were tested in the wet state perpendicular to the bedding.

A summary of the test results are appended as Report No.: 1, "Rock Core Test Record".

We trust this meets with your present requirements. If you have any questions or comments, please contact this office.

Yours truly,  
**Levelton Consultants Ltd.**

A handwritten signature in black ink, appearing to read "Stephen Jankowski".

Per: \_\_\_\_\_  
Stephen Jankowski  
Supervisor, Technical Services

**ROCK CORE TEST RECORD**  
(ASTM C 97 & C 170)

<b>CLIENT:</b> K2 Stone Quarries						<b>DATE TESTED:</b> August 12, 2005					
<b>PROJECT:</b> Ocean Pearl Building Stone Testing						<b>FILE NO:</b> 605-0296			<b>REPORT NO.:</b> 1		
SAMPLE NO.	DRILLED LENGTH (mm)	DIMENSIONS, mm				LOAD (Kn)	STRENGTH (MPa)		UNIT MASS kg/m <sup>3</sup>	REMARKS	
		LENGTH		DIAM.	L/D		TESTED	CORRECTED (C <sub>c</sub> )			
		TRIM	CAP								
1	87	87	102	59	1.73	391.1	143.1	123	2712	Absorption = 0.08%	
2	88	T 49 B 39	59	59	1.00	362.2	132.7	133	2704 2703	Absorption = 0.10%, Split during coring Absorption = 0.15%	
3	88	T 31 B 57	66	59	1.11	355.1	130.1	130	2702 2707	Absorption = 0.15%, Split during coring Absorption = 0.09%	
4	88	88	99	59	1.68	411.1	150.6	131	2712	Absorption = 0.06%	
5	89	89	97	59	1.64	355.6	130.3	114	2706	Absorption = 0.07%	
6	88	88	98	59	1.66	358.2	131.2	114	2706	Absorption = 0.07%	
<b>Average</b>								<b>124</b>	<b>2707</b>	<b>Absorption = 0.1%</b>	

**TECHNICIAN:** SJ      **CAPPING MATERIAL USED:** Proprietary Sulphur      **CONDITIONING:** Wet

**REMARKS:**      Cored and tested perpendicular to bedding      C<sub>c</sub> = Compressive strength of an equivalent cubical specimen

This report represents a testing service only.

No engineering interpretation is expressed or implied.  
 Engineering review and interpretation can be provided on written request.



Per: \_\_\_\_\_  
**LEVELTON CONSULTANTS LTD.**