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→ Century

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**Sent:** Tue, December 19, 2006 11:26 AM  
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**Subject:** Century Limestone Program Summary

**DOUBLESTAR RESOURCES**

### Century Limestone Program Summary

December 19, 2006

Vancouver, British Columbia – Doublestar Resources Ltd. is pleased to report on extensive surface programs on its 100% owned Century Limestone Project, located at tidewater on Nootka Sound on the west coast of Vancouver Island, British Columbia. The Property consists of six MTO mineral claims covering approximately 1,940 hectares. Surface sampling and geophysics has delineated and is qualifying two limestone deposits on these mineral claims, the easternmost Century Deposit and the BCD Deposit to the west.

The Company's interest in Nootka Sound limestone was driven by the proposed biomass-powered thermal power plant to be developed on the site of a former pulp mill at nearby Gold River. The proponent for this project, Green Island Energy Ltd., has been awarded a Power Purchase Contract from BC Hydro, and contemplates building a fully commissioned facility capable of a generating capacity of 85 megawatts of electricity. The advanced air pollution control system will be built on "multi-clone lime injection flue gas quench" technology that will require a daily tonnage of limestone ( $\text{CaCO}_3$ ) to make the lime [Calcium Hydroxide,  $\text{Ca}(\text{OH})_2$ ]. This early demand from a nearby market is viewed by the Company as a catalyst for a larger limestone operation. An overview of the Gold River power project may be viewed at [www.greenislandenergy.com](http://www.greenislandenergy.com).

In May and June of 2005 Doublestar's Qualified Person, Paul D.Gray, P.Geo., directed the collection of 485 rock chip samples over the Century deposit (including 16 mafic dyke samples) and 138 limestone samples from the BCD deposit. These samples were collected on 50 metre centres on N-S lines separated by 50 metres. A program of geological mapping (lithology and structure) was run contemporaneously with the sampling.

A two phase program of ground based geophysics was contracted to Frontier Geoscience of North Vancouver, B.C in 2005-2006. Phase I consisted of 4.4 line kilometers of magnetometer surveys over the Century deposit. Phase II comprised 13.5 line kilometres of magnetometer and V.L.F. surveys over the Century and BCD deposits. The surveys were conducted in North-South oriented lines spaced at 50 metres with stations every 12.5 metres. The geophysical survey was designed to help identify the location and extent of mapped and sampled mafic dykes within the deposit, as well as to approximate depth extent of the limestone. The survey utilized a Gem Systems GSM-19 Overhauser magnetometer

and VLF extension.

Within the Century deposit, the geophysical programs indicated six southwest striking mafic lineaments (interpreted and ground-truthed to be large, >2 metre wide, mafic dykes spaced at 40 -120 metre intervals). Minimum limestone depth in the Century Deposit was interpreted to be 100 metres. The magnetic survey of the BCD deposit provided a comparison of magnetic responses between the Century and the BCD deposits. Overall, the amplitude of response seen in the BCD deposit indicated a larger, thicker deposit, with a lower frequency of dykes.

In July 2005, Eagle Mapping Ltd. was contracted to produce aerial photography of the Century and BCD deposits and topographic base map control at 1:5,000 scale.

In 2006, again under the direction of Mr. Gray, 420 limestone samples were collected and analyzed from the BCD Deposit and geological mapping of the Century and BCD deposits was conducted at a 1:5,000 scale covering 12km<sup>2</sup>.

In total, 879 limestone samples have been collected from 45 line kilometers of sampling grid covering an area of approximately 2 km<sup>2</sup>. Geologic mapping indicates limestone is present at surface over at least 6.2 km<sup>2</sup> of the property.

Whole rock analyses from all rock samples (excluding mafic dyke samples) yielded the following results by arithmetic average:

	Range (%)	Average (%)
CaO%	0.62 – 67.29	49.38
MgO%	0.07 – 23.96	4.64

Mapping the results on grid has indicated that there are areas of higher quality limestone. At Century, an area of 0.41 km<sup>2</sup> consisting of 194 limestone samples has been identified:

	Range (%)	Average (%)
CaO%	4.09 – 55.59	51.43
MgO%	0.15 – 20.64	3.07

At BCD, an area of 0.71 km<sup>2</sup> consisting of 238 limestone samples has been identified:

	Range (%)	Average (%)
CaO%	15.71 – 59.79	53.40
MgO%	0.08 – 10.08	1.25

A suite of six (6) samples from the Century Deposit were collected and combined as a single representative limestone sample. The sample was analyzed for Bond Work Index and by XRD at Process Research Associates (PRA) in Vancouver, B.C. The analysis was designed to give an indication of the physical characteristics of the limestone (e.g. hardness and crush/grindability). Bond Work Index testing

on the composite sample demonstrated moderate hardness and grindability characteristics.

The results of Whole rock and XRD analyses reveal the presence of only minor impurities (<1% of quartz). In order to test for the existence of deleterious impurities, 17 pulps (12 from the Century Project and five (5) from the BCD Project) were sent to PRA for total sulphur and chloride analyses. These samples were selected randomly as representative samples from each of the deposits. No problematic Sulphur or Chlorides were indicated from this work.

A suite of 10 limestone and dyke samples were prepared as thin sections and petrographic analyses performed on each. This work indicates the limestone has been recrystallized. Whole Rock and petrographic analyses of the mafic dyke samples suggest these are basalts and that their dolomitizing effect on the host limestone is restricted to a centimeter scale contact margin.

The Company has filed for, and been granted, an exploration work permit for 4,000 metres of diamond drilling on the property. A diamond drilling program would be designed to test the depth, extent, continuity and grade of the Century and BCD Limestone Deposits. The Company has retained Sacré-Davey Engineering of North Vancouver, B.C to advise and consult on the project.

Whole rock analyses were completed at Global Discovery Labs of Vancouver, B.C. with whole rock check sampling performed at Process Research Associates of Vancouver, B.C.

On behalf of the Board of Directors,

Paul D. Gray, P.Geo.  
President  
Doublestar Resources Ltd.

#### ***About Doublestar Resources***

Doublestar Resources Ltd. is a Canadian mineral resource company and leading owner and developer of advanced and grass roots precious and base metal and industrial mineral properties. The Company seeks to create solid shareholder returns in an environmentally responsible fashion to benefit future generations. For more details, call Doublestar Investor Relations at 604 688-7377, or visit Doublestar on the web at [www.doublestar.net](http://www.doublestar.net).

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