

**SAMPLE MATERIAL AT RIIHIVAARA FROM DIAMOND
STABILITY FIELD**

- **Scanning Electron Microscopy Confirms Sample Material at Riihivaara Comes from the Diamond Stability Field**
- **Results Also Confirm Presence of Eclogitic Indicator Grains in the Sample**

Karelian Diamond Resources plc (“Karelian”) (AIM: KDR, ESM: KDRI), is pleased to announce that further to the announcement on 16th October 2014, the sample material from its Riihivaara target in the Kuhmo region of Finland has been confirmed as being derived from the diamond stability field of the Earth’s mantle and that eclogitic grains are also present in the sample.

The presence of eclogite mantle materials is significant, as these tend to be associated with richer diamond grades.

The sample material was sent for analysis by Scanning Electron Microscopy (SEM) at the Geological Survey of Finland (GTK) laboratory in Helsinki.

The detailed laboratory results show 27 Group 2 eclogite grains, 8 Harzburgitic G10 garnets including a G10(D), 33 Lherzolite G9 garnets, 27 megacrysts and 1 Wehrlitic grain. The presence of the Harzburgitic G10 garnets including a G10(D) confirms that the sample material is derived from the diamond stability field of the Earth’s mantle.

Dr. Hugh O’Brien, a diamond specialist with the GTK stated that:

“These new results, in addition to the Harzburgitic G10 garnets, contain a significant eclogitic component which could translate into an enhanced diamond potential for the mantle source of these indicator minerals. The fact that eclogite garnets are rare down ice, suggests that the source of the newly discovered Karelian eclogite garnet grains is probably relatively proximal.”

Professor Richard Conroy, Chairman commented:

“I am delighted with the further significant results from the Kuhmo exploration area in Finland. The presence of eclogite mantle materials is particularly promising as such material is often associated with richer diamond grades.

“The prospect of a new kimberlite discovery in this area following on from Seitaperä, where the Company has already outlined the largest diamondiferous pipe yet discovered in Finland, is very encouraging.”

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