



8WCL-LEP1617 Inquiry

John Gosse <John.Gosse@dal.ca>

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To: Sergey Kuflevskiy <sergey.kuflevskiy@nwb-oen.ca>

Cc: John Gosse <John.Gosse@dal.ca>, Richard Dwyer <richard.dwyer@nwb-oen.ca>, Karén Kharatyan <karen.kharatyan@nwb-oen.ca>

Hi Sergey,

Thanks for working on my application.

I wanted to get a field photo from the geologists who have used these corers in the past, and just got it. The corer does not produce waste. The photo here is a geologist who is coring through muddy permafrost ground ice. At the Ellesmere Island sites we know we will not have this much ice. It is frozen sand with leaf layers.

In terms of waste, there is none. We cut a small horizontal bench into the sandy slope that is big enough to stand on, we core and collect about 30 cm length of core, and then step up slope to the next bench.

The ideal thing would be to collect one continuous core that is 40 m long. But that would require a significantly different (much larger) coring instrument with a generator and hydraulics, etc, Too expensive for our grant, let alone the possibility of contaminating the fossil site. So we are going with a hand held drill like this. They are buying a new drill, so it will not be this specific model, but they indicated that this is the size and style.

We even will not fill the fuel tank for the corer on the site without a bucket under it, because of the potential of fuel contaminating the organic record that is being analysed at these sites.

I am in Iqaluit for the next couple of hours, heading today to do a consultation with the Pond Inlet hamlet council. If you would like me to drop over to visit, or if you need to call me at (902)430-0684 just let me know. Thanks.—john

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