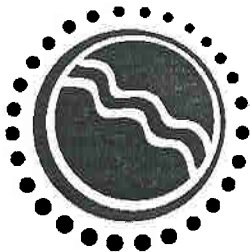


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# Mackenzie Valley Environmental Impact Review Board

Box 938, 5102-50th Avenue, Yellowknife, NT X1A 2N7

**Date:** Fri. Feb. 21<sup>st</sup>, 2003  
**From:** Alan Ehrlich, A/ Manager of Environmental Impact Assessment  
**Pages:** 5 (including these 3 cover pages)  
**File:** EA02-002 WesternGeco Mackenzie River 2D Seismic Program

**Subject:** Deficiency Statement- WesternGeco Developer's Assessment Report

*The attached deficiency statement identifies items from the Terms of Reference that have not been included in WesternGeco's Developer's Assessment Report. (entitled Environmental Assessment for the WesternGeco Mackenzie and Liard Rivers 2D Sismic Program 2003.*

*Please call if you have any questions.*

*Alan Ehrlich  
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Mackenzie Valley Environmental Impact Review Board  
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## Mackenzie Valley Environmental Impact Review Board

Our File EA02-002

March 4<sup>th</sup>, 2002

To: Keith Rosindell, WesternGeco  
Distribution List

### **Re: WesternGeco Mackenzie River 2D Seismic Development Deficiency Statement**

The Mackenzie Valley Environmental Impact Review Board has conducted a conformity review on the Developer's Assessment Report (entitled "Environmental Assessment for the WesternGeco Mackenzie and Liard Rivers 2D Seismic program 2003"). The purpose of the conformity review is not to analyze the technical quality of these answers (this will happen later in the EA), but only to determine if a response was provided for every specific item in the Terms of Reference. WesternGeco has provided answers to the majority of items in the Terms of Reference. This deficiency statement identifies the cases where no responses were given.

The Terms of Reference included requirements for the following items:

#### **Terms of Reference Section 4.3- Development Description**

- "WG shall include a thorough Development description that includes... expected channel depths".
- "WG shall include a thorough Development description that includes... types and amounts of hazardous materials stored on the barge".

#### **Terms of Reference Section 4.8- Noise**

- "WG to report results from acoustic field studies undertaken during 2002... This discussion should also evaluate the importance of substrate type..."

#### **Terms of Reference Section 4.9- Aquatic Resources**

- "This section shall include a discussion of...potential impacts of airguns on... eggs and larvae, of fish species that are likely to be present in the Liard and Mackenzie Rivers... with respect to the size airguns to be used during the proposed development."
- "This section shall include a discussion of...potential short and long-term effects of airguns on invertebrates that are, directly or indirectly, ecologically linked to fish... with respect to the size airguns to be used during the proposed development."
- "This section shall include a discussion of details of mitigation measures... including... ramping up procedures... This discussion is also to include a description of all uncertainties related to the above."



## Mackenzie Valley Environmental Impact Review Board

- “This section shall include a discussion of... general hearing information (bandwidth and thresholds) on Mackenzie River fish or related species (at all life stages) for which data are available in the literature”.
- “This section shall include a discussion of...potential impacts of airguns on anatomy and physiology of fish exposed to airguns (including effects on ear, lateral line, swim bladder and any other stress indicators)”;
- This section shall include a discussion of... long-term impacts over days, weeks and months, and implications for survival of exposed fish... with respect to the size airguns to be used during the proposed development.”

WesternGeCo is requested to submit this information by March 18<sup>th</sup>, 2003.

Sincerely,

Alan Ehrlich  
A/ Manager of EIA  
Mackenzie Valley Environmental Impact Review Board