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## **FACSIMILE TRANSMISSION**

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<b>To:</b>	<b>Nunavut Water Board</b>	<b>Fax No.:</b>	<b>(867) 360-6369</b>
<b>Attention:</b>	<b>Dionne Filiatrault, Senior Technical Advisor</b>	<b>CC:</b>	<b>Patrick Duxbury (via e-mail)</b>
<b>From:</b>	<b>Holger Hartmaier (Ext. 113)</b>	<b>Date:</b>	<b>July 18, 2003</b>
<b>Subject:</b>	<b>NWB1POL0311- Polaris Mine, Environmental Effects Monitoring Study Design- Comments</b>		
<b>No. of Pages (including this page):</b>	<b>2 Pages</b>	<b>Project No:</b>	<b>0308-001-05</b>

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As requested in your e-mail of July 14, 2003, I have reviewed the documents related to the Polaris Mine Environmental Effects Monitoring Study Design, which were posted on the NWB FTP site.

Although I have no specific comments regarding the details of the study proposal prepared by Azimuth Consulting Group Inc. for Teck Cominco, dated June, 2003, I do have a question regarding why the study is entirely focussed on Garrow Bay. True, Garrow Creek carries the effluent from the tailings disposal site in Garrow Lake, but other areas potentially impacted by mine activities seem to be ignored. These areas include:

- Polaris Bay- construction and operational landfill are located adjacent to shoreline.
- Dock area and marine foreshore-an area of impacted fish habitat that will be rehabilitated.
- North Bay-drainage from New Quarry and lands impacted by mine activities and sulphide storage.

Based on the information contained in the Azimuth study proposal, the likely impacts to be noticed in Garrow Bay will be low to negligible. Why not extend the monitoring program to include the above areas, which may contribute "effluent" due to near shore disturbances and runoff from potentially impacted sites that may be more significant than what is coming from Garrow Creek. I would think that a big question for DFO would be how the remediated dock and marine foreshore environment, and the other potentially impacted bays compare to the control site at Tigumivik Harbour.

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**BGC Facsimile Transmission**

To: Dionne Filiatrault

From: Holger Hartmaier

Date: July 21, 2003

Subject: Polaris Mine- Environmental Effects Monitoring Study Plan- Comments

Proj. No: 0308-001-05

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From Teck Cominco's perspective, documenting the conditions at these sites in the closure period should be considered to be part of their due diligence in demonstrating that their reclamation efforts have resulted in no long term environmental impacts.

We trust that the above comments meet with your requirements at this time. If you have any questions or require any additional information, please do not hesitate to contact me.

Yours truly,

**Per**

**BGC Engineering Inc.**

Holger Hartmaier, M.Eng., P.Eng.  
Senior Geotechnical Engineer