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Nunavut Water Board
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SUBJECT: Summary Report, NWB2FLE9901, Northwestern Baffin Island

FEB 27 2001
Public Registry

Nunavut Water Board,

Below is a Project Completion Summary for mineral exploration in the Flemming River and Adams Sound areas of northwestern Baffin Island in 1999, as per your notice dated December 7th, 2000, regarding the upcoming expiry of Permit NWB2FLE9901.

*Project Completion Summary
Adams Sound & Flemming River Drill Program.*

Cominco Ltd. explored in the Borden Basin, northwestern Baffin Island, in 1995, 1996 and 1998, and conducted a limited diamond drill program in 1999, in accordance with guidelines in NWB Permit NWB2FLE9901. No further work was done following completion of the drill program, and the project was terminated.

Three diamond drill holes totaling 900 m in length were completed between the period of June 14 - July 5, 1999. Drill targets were on DIAND Prospecting Permits 2161, NTS 48A/13, located northeast of the head of Adams Sound approximately 40 km southeast of Nanisivik, and on DIAND Prospecting Permit 2208, NTS 48A/11, located in the headwater region of Fleming River approximately 65 km southeast of Nanisivik. All work was done on crown land.

No exploration camps were established for the work in 1999 because the field crew was based out of the Nanisivik townsite. Personnel included 4 drill crew, a drill foreman, a geologist, and 2 helicopter crew. No roads were constructed at the sites, no heavy equipment was used, and there were no ATV's; drill mobilization, drill moves and crew changes were serviced by a helicopter stationed at the STOL Port at the edge of the townsite. Further, there were no helicopter fuel caches or temporary air strips because bulk jet fuel and diesel fuel was available at the STOL port; drum diesel was flown to the drill as needed.

The environmental impact from drilling was negligible. Significant ground preparation/alteration for drill sites was not necessary because of gentle topography. Sufficient surface flow in nearby streams precluded the need for sumps in the stream to supply water for drilling; a small supply pump located at the stream, equipped with a short suction hose with a filter/screen on the intake head, supplied water to storage tanks at the drill less than 500 m away. Further, tanks were used to recirculate return water returns such that natural sumps were not used. Drill sites were completely cleaned up at the termination of each hole. ALL drill materials and non-combustible scrap and garbage was returned to Nanisivik at the completion of the job. There was no domestic water use at the sites, nor any waste water effluent.

As with previous work by Cominco Ltd. in the Arctic Islands, all provisions and rules set out in Prospecting Permit guidelines were met. It is a Cominco Ltd. policy not to disturb or harm wildlife in any way during the course of field work, and this was strictly enforced during the program.


Michael H. Gunning, Ph.D.
Project Geologist

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