Effective June 16, 2006

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NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

WATER LICENCE
APPLICATION FORM

Application for: (check one)

☒ **New** ☐ **Renewal** ☐ **Amendment** ☐ **Assignment** ☐ **Cancellation**

LICENCE NO:
(for NWB use only)

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE

Dr. Karsten Piepjohn
Federal Institute for Geosciences (BGR)
(planned departure for Nunavut, 18th of June 2008)

Phone: +49 511 643 32 36
Fax: +49 511 643 36 63
e-mail: Karsten.Piepjohn@bgr.de

2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)

Polar Continental Shelf Project (Resolute)
Mike Kristjanson

Phone: (613) 947 16 55
Fax: _____
e-mail: mkristja@nrcan-rncan.gc.ca

3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)

base camp at Taconite Inlet
Latitude: (82°47'30" N) Longitude: (77°56'45" W)
NTS Map Sheet No. 340E & 340H Scale: 1:250,000

The study area will cover the north coast of Ellesmere Island between Wootton and Arthur Laing peninsulas (NTS Map Sheets No.: 340F & 560E Yelverton Inlet; 340E & 340 H M'Clintock Inlet; 120F & 120G Clemens Markham Inlet; 340D Tanquary Fiord;

camp at Stenkul Fiord:
Latitude: (77°20`N) Longitude: (83°30' W)
NTS Map Sheet No. 49D Scale: 1:250,000

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

The expedition CASE 11-Pearya is part of the long-term BGR-project "Circum-Arctic Structural Events". The major aim of CASE 11 is the geological architecture of the northern continental margin of North America, the structural evolution of the micro-plate "Pearya" at the north coast of Ellesmere Island and the comparison of the geological history of Ellesmere Island and Svalbard. CASE 11 will be divided in an aeromagnetic survey onshore and offshore (mid of May to mid of June 2008) and geological field work between Wootton and Arthur Laing Peninsulas (mid of June to beginning of August 2008). After termination of the field work at the north coast of Ellesmere Island, a small group of geologists and the pilot and an Inuk field guide will work in the area between Vendom Fiord/Stenkul Fiord and Split Lake in southern Ellesmere Island until mid og August 2008. (for location of study areas and the expedition schedule see attachments).

5. **TYPE OF PRIMARY UNDERTAKING** (A supplementary questionnaire must be submitted with the application for undertakings listed in **"bold"**)

- ☐ **Industrial**
- ☐ **Mining and Milling**(includes exploration/drilling)
- ☐ **Municipal** (includes camps/lodges)
- ☐ Power
- ☐ Agricultural
- ☐ **Conservation**
- ☐ Recreational
- ☒ **Miscellaneous** (describe below):

Geological Research Expedition

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings

6. WATER USE

- ☒ To obtain water
- ☐ To cross a watercourse
- ☐ To modify the bed or bank of a watercourse
- ☐ Flood control
- ☐ To divert a watercourse
- ☐ To alter the flow of , or store, water
- ☐ Other (describe):

7. QUANTITY OF WATER INVOLVED (cubic metres per day including both quantity to be used and quality to be returned to source)

Water use
- ☒ $100m^3$/day or less
- ☐ Greater than $100m^3$/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.)

the water will be used for camp-cooking and cleaning only.

Water returned to source

0,1 m^3/day

8. WASTE (for each type of waste describe: composition, quantity (cubic metres per day), methods of treatment and disposal, etc.)

- ☒ Sewage
- ☒ Solid Waste
- ☐ Hazardous
- ☐ Bulky Items/Scrap Metal
- ☐ Waste oil
- ☒ Greywater
- ☐ Sludges
- ☐ Other describe):

For sewage and grey water, we expect not more than 0,1 m3 per day - will be deposited in sinkholes far away from the next river or creek. The solid waste will be burnt, and 'the ashes wil be returned to Resolute.

9. OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary)

Quttinirpaaq National Park, Parks Canada Agency
Jane Chisholm
Parks Canada - Nunavut Field Unit
PO Box 278, Iqaluit, NU Canada X0A 0H0
tel (867) 975-4762 fax (867) 975-4753
NunavutParks.Research@pc.gc.ca

Land Use Permit

DIAND (Nunavut Land Use Permit) ☒ Yes ☐ No If no, date expected

Regional Inuit Association are involved (field guides, camp-manager) ☒ Yes ☐ No If no, date expected _____

Commissioner ☐ Yes ☐ No If no, date expected _____

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)

NIRB Screening ☒ Yes ☐ No If no, date expected _____

11. INUIT WATER RIGHTS

Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?

no, water will be used for cooking and cleaning only.

If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration. If no compensation agreement has been made, how will compensation be determined?

In this case, BGR will take the responsibility represented by expedition leader.

12. CONTRACTORS AND SUB-CONTRACTORS (name, address and functions)

Polar Continental Shelf Project (Resolute)
Mike Kristjanson (base manager Resolute)
phone (613) 947 16 55
mkristja@nrcan-rncan.gc.ca

13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)

Geological Expedition CASE 4 (1998) to Judge Daily Promontory (in cooperation with GSC Calgary)
Geological Expedition CASE 5 (1999) to Judge Daily Promontory (in cooperation with GSC Calgary)
Geological Expedition CASE 6 (2000) to Judge Daily Promontory (in cooperation with GSC Calgary)
Geological Expedition CASE 7 (2001) to Yelverton Inlet (in cooperation with GSC Calgary)
Geological Expedition CASE 8 (2004) to southern Ellesmere Island (Vendom / Stenkul fiords)

14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN

Supplementary Questionnaire (where applicable: see section 5) ☒ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun/English Summary of Project ☒ Yes ☐ No If no, date expected _____

Application fee of $30.00 (Payee Receiver General for Canada) ☐ Yes ☐ No If no, date expected _____

Water Use fee of $30.00 (unless otherwise indicated in Section 9 of the *NWT Waters Regulations;* Payee Receiver General for Canada)

☐ Yes ☐ No If no, date expected _____

15. PROPOSED TIME SCHEDULE (unless otherwise indicated, the NWB will consider the application for a five (5) year term)

☒ one year or less (or) ☐ Multi Year

Start Date: Mai 1, 2008 Completion Date: August 31, 2008

Karsten Piepjohn **Dr** **Mai 27, 2008**

Name (Print)	Title (Print)	Signature	Date

For Nunavut Water Board office use only

APPLICATION FEE **Amount: $_____** **Pay ID No.: _____**

WATER USE DEPOSIT **Amount: $_____** **Pay ID No.: _____**

Non-Technical Project Proposal Summary:
20.03.2008
Project CASE 11-Pearya (2008)
Karsten Piepjohn, Federal Institute for Geosciences and Natural Resources (BGR), Germany

What are we planning to do?
In summer 2008, the German Federal Institute for Geosciences and Natural Resources (BGR) is planning the geoscientific expedition "CASE11 Pearya" to the northernmost part of the Canadian Arctic ("Pearya") at the north coast of Ellesmere Island. The field work during CASE 11 will be divided in an airborne magnetic survey and helicopter-supported geological field work. The aeromagnetic survey will operate from 5th of May to 24th of June 2008 with 8 members. The geological work will be from 26th of June to 11th of August 2008 with 25 participants including scientists, logistic personal and Inuit guides. Not all scientists spend the entire period at the base camp. There will be frequent exchange of personal to reduce the number of people as much as possible.

Where are we going to do it?
The study area is located between Wootton Peninsula in the west, Arthur Laing Peninsula in the east, the north coast of Ellesmere Island and the British Empire Range in the south. The geophysical survey will be carried out outside the northern part of the Quttinirpaaq National Park and will also include an up to 50 km wide strip off the north coast of Ellesmere Island.
Field work in the north will terminate on 1st of August; from 2nd to 11th of August 2008, a small group of 4 scientists, a pilot and an Inuit guide will carry out geological field work at Stenkul Fiord and Split Lake area in southern Ellesmere Island.

How are we going to do it?
The base camp of CASE11 will be situated at the landing-strip at Taconite River (west of M´Clintock Inlet) just outside and west of the National Park boundary. A fuel depot of 80 drums at the landing-strip at Tanquary Fiord and another fuel depot of 100 drums at Eureka have been established in 2007.
Field work will be carried out from the base camp. Geologists will also set up temporary fly camps between Wootton and Arthur Laing peninsulas and in the area of Yelverton Pass. Transportation of fuel, equipment and expedition staff to Taconite River and back will be done by Twin Otter. No structures will be erected in the field except for the tents in the camps and small aeromagnetic reference stations at the base camp and on Ward Hunt Island. The field work will be supported by helicopter during the entire expedition. The helicopter will be used for the aeromagnetic survey as well as for the geological field work.

Why is it important to do it?
Since the beginning of Earth´s history, the development of our planet is dominated by change and evolution. Especially the continents and oceans changed and drifted taround the globe, and the recent geography of our world is just a snapshot of a long development: some 90 million years ago, there was no Arctic Ocean and no North Atlantic, and North America, Europe and Asia were joined within a large, ancient landmass called Laurasia. The major task of the BGR-project CASE (**C**ircum-**A**rctic **S**tructural **E**vents) is the examination of the recent circum-Arctic continental margins and the processes who resulted in the break-up of Laurasia and finally in the formation of the Arctic Ocean.

Geoscientists of the BGR are working on the onshore geology in the circum-Arctic land masses where the rocks and their structures and deformations can be directly observed. Geologists try to find out the reason and the process for structural deformation of the rocks along the recent continental margins, for example, the western margin of the Barents Shelf and the northern margin of Greenland/Ellesmere Island. The observation of tectonic

structures like folds or thrusts enables the structural geologist to interpret the direction, the process and the intensity of a collision of ancient continents.

The northernmost part of Ellesmere Island consists of a small microcontinental plate which originally has not been part of the American continent. This fragment of a continent, called "Pearya", belonged most likely to the Eurasian continental plate in the ancient past: the early geological history of Pearya is completely different to the history of ancient North American/North Greenland (Franklinian Basin) but is similar to the evolution of the Barents Shelf (Svalbard). 350 million years ago, Pearya and Svalbard (as parts of Eurasia) approached und finally collided with the Greenland/North American continental plate forming together the large Laurasian continent. For 300 million years, Ellesmere Island, Pearya and Svalbard were together located in the centre of Laurasia. 50 million years ago, Laurasia broke up, the Arctic Ocean opened and Svalbard and North Greenland were separated. This situation makes Pearya to a key area to understanding the formation of the Arctic Ocean.

Until today, the land areas in the extreme north of Canada are very little explored. Additionally, the water-covered shelf areas north of the Canadian Arctic Archipelago are still unexplored. The knowledge of the structures and architecture of this passive continental margin is very important for the prognostication of the potentials of natural resources.

ᐅᓂᖅᑲᓱᖏ ᖃᓄᐃᓐᓂᓴᖅᓯᓐᓄᑦ ᐱᓕᕆᐊᖅᓂᐊᖏᓐᓄᖅ: 20.03.2008
ᐱᓕᕆᐊᖅᓯᖏ ᑲᐃᑦ 11-ᐱᐅᕆᓱ(2008)
ᑲᐅᑎᓐ ᐱᐅᑦᓴᓐ, ᒪᓕᒪᑐᖃᖅᑎᑕ ᐱᓕᕆᓂᕐᐳᐊ ᓄᓇᐅᑦ ᖃᐅᔨᓴᐅᑎᖅᓐᓄᑦ ᓄᓇᐅᓐᓗ ᓱᓇᖅᑯᖅᓐᓄᑦ
(ᐱᔨᕐᓴ),
ᓴᒪᓂ

ᖃᓄᐃᓕᓂᐅᕆᔨᒪᐱᑎᑦ?
ᐊᐅᓴᖅᓄᓂᑦ 2008, ᓴᒪᓂᖅᑯᑦ ᒪᓕᒪᑐᖃᖅᑎᑕ ᐱᓕᕆᓂᕐᐳᐊ ᓄᓇᐅᑦ ᖃᐅᔨᓴᐅᑎᖅᓐᓄᑦ ᓄᓇᐅᓐᓗ
ᓱᓇᖅᑯᑦᓯᓐᓄᑦ (ᐱᔨᕐᓴ) ᐸᖅᓇᐅᓱᒪᓴᒪᑕ ᓄᓇᒥᖅ ᖃᐅᔨᓴᐅᑎᖅᓐᓄᖅ ᑲᑎᒪᔨᖅᑕᐅᓂᖅ ᐱᐅᓱᖅᓯᓱᓇᓄᑦ
ᑲᑎᒪᓂᕐᓂᖃᖅᓴᓂᓄᑦ ᖃᓇᑕᐅᑦ ᐅᑭᐅᖅᑕᑐᖅᓴᓇ (ᐱᐅᓕᓴ) ᑲᑎᒪᓂᕐᓂᖃᑦ ᖁᑭᖅᑕᖅᓴᑦ ᐅᐊᖅᓇᖅᐸᓱᓇᓄᑦ.
ᑕᒪᒃᓇ ᓄᓇᒥᖅ ᖃᐅᔨᓴᐃᓂᐅᔪᖅ ᐱᓕᕆᓂᐅᔪᖅᓴᖅ ᖃᐃᑦ 11 ᐃᓗᐊᓂᑦ ᐋᒧᖅᑕᐅᓂᐊᖅᑐᖅ ᑲᐃᒍᑕᐅᓂᐊᖅᑐᖅ
ᓂᐱᖅᓇᓂᒥᒥᖅ ᖃᐃᑦ 11 ᐃᓗᐊᓂᑦ ᐋᓐᓂᐅᔪᓂᑦ ᐅᓂᒃᖃᖅᑐᓂᑦ ᑲᑎᒪᔨᖅᑕᐅᓂᐊᖅᑐᖅ ᓄᓇᕗᑦ ᖃᐅᔨᓴᐃᓂᖅ.
ᑕᒪᒃᓇ ᖃᓄᐃᓕᓂᐅᔪᖅᓴᖅ ᐱᓕᕆᓂᐅᔪᖅᓴᖅ ᐱᑎᐊᖅᑐᖅᓯᓂᐅ ᒪᐃᐅ 5-ᒥᑦ ᓱᓂ 24-ᒧᑦ 8-ᓂᒃ
ᐱᓕᕆᔨᖅᑎᓂᒃ. ᑕᒪᒃᓇ ᓄᓇᒥᖅ ᖃᐅᔨᓴᐃᓂᐅᖅ ᐱᓕᕆᓂᐅᔪᖅᓴᖅᑐᖅ ᓱᓂ 26-ᒥᑦ ᐊᒃᓱᓕ 11-ᒧᑦ
2008-ᒥᑦ ᐃᓕᖃᐅᑎᓗᒃ 25-ᓂᒃ ᖃᐅᔨᓴᖅᑎᑕᐅᓱᓂᒃ, ᑕᖏᒪᖅᑐᒃ ᑲᒪᔨᐅᓱᓂᒃ ᐊᒃᓱᓕ ᐃᓄᐃᓂᒃ
ᑲᒪᔨᐅᓱᓂᒃ. ᑕᒪᑎᒃ ᖃᐅᔨᓴᖅᑎᑕᐅᓱᑦ ᐅᐸᒍᓱᒪᒪᓂᖅᓴᖅᑐᑎᑦᑐᑦ ᑕᖏᒪᔪᓴᒥᑦ.
ᑭᖑᑦᓴᖃᐅᑎᖃᑎᒌᓂᖅᓯᖅᑐᑦ ᑕᒪᒃᑯᐊ ᐃᓂᓪᓕᒪᓐᓂᑦ ᑕᖏᒪᒃᓴᐅᑎᓂᑦ ᐅᓄᓗᐊᖅᑕᐅᓂᐊᖅᑐᖅ ᐱᓕᕆᓂᕐᐳᐊᓂᖅ.

ᓄᓇᒥ ᐱᓕᕆᓂᐅᔪᖅᓴᖅ?
ᑕᒪᒃᓇ ᐱᓕᕆᓂᕐᓂᑦ ᐱᒋᐊᓂᖃᕆᔨᖅᑐᑦ ᐅᓐᓂᒃ ᓄᐅᓕᕆᔨᖅᓂᑦ ᐱᖓᓱᓇᖅᐸᓱᓇᔪᓂ, ᐊᐅᑐ ᓚᐃᓂ
ᓄᐅᓕᕆᔨᖅᓇᔪᓂ, ᑲᑎᒪᓂᖅᓯᓐᓄᑦ ᖁᑭᖅᑕᖅᓴᖅᑐᖅ ᑲᒪᔨᐅᓱᓂᒃ ᐃᓚᖓᓂᒃ ᐅᓄᓗᐊᖅᑕᐅᓂᐊᖅᑐᖅ
ᑲᑎᒪᔨᖅᑕᐅᓂᐊᖅᑐᖅ ᐅᐸᒍᓱᒪᒪᓂᖅᓴᖅᑐᑎᑦᑐᑦ ᑕᖏᒪᒃᓴᐅᑎᓂᑦ ᓄᓇᒥᖅ ᐅᓄᓗᐊᖅᑕᐅᓂᐊᖅᑐᖅ
ᐃᓕᖃᐅᑎᓗᒃ 25-ᓂᒃ ᖃᐅᔨᓴᖅᑎᑕᐅᓱᓂᒃ ᐱᓕᕆᓂᐅᔪᖅᓴᖅᑐᖅ ᓄᓇᕗᑦ ᐃᓄᐃᓂᒃ ᑲᒪᔨᐅᓱᓂᒃ.
ᑕᒪᑎᒃ ᐅᑎᒪᑦ ᖃᐅᔨᓴᖅᑎᑕ, ᑲᑎᒪᔨᖅᑐᒃ ᓄᓇᕗᑦ ᐃᓄᐃᓂᒃ ᑲᒪᔨᐅᓱᓂᒃ ᐊᒃᓱᓕ ᐃᓄᐃᓂᒃ
ᐃᓕᖃᐅᑎᓗᒃ ᐱᓕᕆᓂᐅᔪᖅᓴᖅᑐᖅ ᐱᓕᕆᓂᕐᐳᐊᓂᖅᓴᖅᑐᖅ ᐊᐅᓚᓂᖅ ᐱᓕᕆᓂᐅᔪᖅᓴᖅᑐᖅ ᐱᓕᕆᓂᕐᐳᐊᓂᖅ
ᐱᓕᕆᓂᐅᔪᖅᓴᖅᑐᖅ ᐱᓕᕆᓂᕐᐳᐊᓂᖅᓴᖅᑐᖅ ᐱᓕᕆᓂᐅᔪᖅᓴᖅᑐᖅ ᐱᓕᕆᓂᕐᐳᐊᓂᖅᓴᖅᑐᖅ ᐱᓕᕆᓂᐅᔪᖅᓴᖅᑐᖅ
ᐱᓕᕆᓂᕐᐳᐊᓂᖅᓴᖅᑐᖅ ᐱᓕᕆᓂᐅᔪᖅᓴᖅᑐᖅ ᐱᓕᕆᓂᕐᐳᐊᓂᖅᓴᖅᑐᖅ ᐱᓕᕆᓂᐅᔪᖅᓴᖅᑐᖅ ᐱᓕᕆᓂᕐᐳᐊᓂᖅᓴᖅᑐ

ᖃᑭᖅᑕᖏᓐᓂᒃ/ᖃᓄᐃᓕᓴᖅᓯᒪᔨ ᖃᑭᖅᑕᖏᓐᓂᒃ. ᑕᒪᐃᓕᐊ ᖃᒥᔪᕗᐅᓂᖏᑦ ᓄᓇᕗᑦ ᐊᐅᓪᓗᓂᓴᕗᑦ ᓄᓇᕐᔪᐊᒥᑦ ᓱᓕᓗ ᐱᓇᓐᓂᕐᑎᑦ ᐊᕐᒥᓗᖅᑐᐅᔨᑦ ᓇᓗᓇᐃᖅᓯᕐᒪᑕ ᓄᓇᕗᑦ ᖃᓄᐃᓂᓐᓂᓄᑦ ᖃᐅᔨᓴᕐᓂᓐᓂᑦᓂᓗ ᑐᓄᓯᓇᓯᖅᑐᐅᓪᓗᓂᑐᑎᒃ ᓇᓂᑦ ᐊᐅᓪᓚᑕᐊᓪᓚᕐᓂᖓ, ᐱᓕᕆᓪᓗᓂᓴᕗᓐᓄᑦ ᐊᒪᓚᓗ ᑐᓗᓯᑎᐊᓂᑦ ᓄᓇᖓᖃᑎᒋᔭᓄᑦ.

ᖃᓄᐃᓕᓴᖅᓯᒪᔨ ᖃᑭᖅᑕᖏᓐ ᐃᓚᖃᖅᓯᒪᑦ ᒥᑭᑐᐊᓚᓱᒥᒃ ᐃᓚᒋᕐᑐᕆᕕᓂᖅᓯᒥᒃ ᐊᒥᐊᒃᑯᖅᖃᖅᓯᒪᑕ ᐃᓱᒥᒃᑎᓄᑦ ᓄᓇᖓᑎᑦᓂᓄᑦ ᐱᓕᕐᓗᓂᑦ ᐃᓚᒋᕐᑐᐃᓐᓇᓂᖅᓄᑦ. ᑕᒪᓐᓇ ᐊᒥᐊᒃᑯᔪᖅ, ᑕᐃᒍᑎᓂᒋᔭᖅ ᐱᓱᐃᓂᒪᓐᓂᑦ ᑕᐃᔨᓂᒪᓂᑐᖅ: ᑕᒪᓐᓇ ᐱᒋᐊᑎᐃᓂᖏᓐᓇ ᐱᐅᓚᕐᐅᑦ ᐊᕐᓇᑎᑭᓱᒪᔪᑕ ᑕᒪᑐᒪᑦ ᐱᑕᖃᐅᓂᖏᑦᑕ ᐊᒥᓚᓗ ᑲᓪᓚᑦᓂᑦ ᓄᓇᖓᑦᑕ (ᐅᑦᓴᓐᓂᓕᒃ ᐊᕐᓇᑎᑭᓱᒪᓐᓇ) ᑭᓯᐊᓂ ᐊᐅᔨᑦᓯᓪᓗᓂᐅᓄᑦ ᐱᐅᑦᓂᑦ ᓇᑎᑦᓇᓐᓂᑕ (ᓴᓪᓕᐊᓂᒃ). 350 ᒥᓂᐊᓐ ᐊᑦᕆᔪᑦ ᐊᓂᔪᖅᑐᓄᑦ, ᐱᐅᓚᓄᑦ ᐊᒪᓚᓗ ᓴᓪᓕᐊᓂᒃ (ᐃᓕᒥᐅᐅᐅᓪᓗᑎᒃ ᓯᓚᐊᓯᐊᒪᔪᑦ) ᑲᑎᑦᓴᓂᓕᒫᒥᒃ ᑐᓗᓯᓂᓯᓚᐅᖅᑐᑦ ᑲᑎᑦᓴᓂᓂᕐᓂᓄᑦ ᓄᓇᖓᑦᑕᓂᓂᒃ ᓄᓇᕗᑦ ᐊᐅᓚᐊᓯᐊᒪᔪᑦ. 300 ᒥᐊᓂᓐᓂᒃ ᐊᑦᕆᔪᓂᑦ, ᖃᓄᐃᓕᓴᖅᓯᒪᔨ ᖃᑭᖅᑕᖏᓐᓄ, ᐱᐅᓚᓐ ᐊᒪᓚᓗ ᓴᓪᓕᐊᓂᒃ ᑲᑎᑦᓴᓂᓕᒫᒥᒃ ᑲᑎᒪᔨᓕᐅᖅᑐᑦ ᓄᓇᖓᑦᑕᓂᓂᒃ. 50 ᒥᓂᐊᓐ ᐊᑦᕆᔪᑦ ᐊᓂᔪᖅᑐᓄᑦ, ᓄᓇᕗᑦᑕᓯᐊᓯᐊᑦ ᓯᓚᑐᓂᓕᐅᖅᑐᖅ, ᑕᒪᓐᓇ ᐅᑭᐅᖅᑕᖏᑦ ᑕᓚᐅᖓᓄ ᐃᒪᒥᖅᓂᓂ ᐊᒪᓚᓗ ᓴᓪᓕᐊᓂᒃ ᓄᓇᕗᑦᑕᓂᓂᒃ. ᑕᒪᓐᓇ ᓴᖅᑭᑦᓂᓯᐊᐊ ᑕᐃᒥᓇᓱᑎᓂᐅᖅᑐᓄᑦ ᐱᓚᖃᐅᑦ ᓄᓇᖓᓐᓂᒃ ᑕᒪᓐᓇ ᑐᑭᓯᓇᑎᑎᓂᕐᓂᖅᓄᑦ ᖃᓄᐃᓕᓴᖅᓯᒪᔨ ᖃᐅᔨᓴᕐᓂᓐᓂᑦ ᓄᓇᕗᑦ ᐊᐅᓚᓗ ᓴᓪᓕᐊᓂᒃ ᓄᓇᖓᑦᑕᓂᓂᒃ ᓄᓇᕗᑦ ᐃᓚᒋᕐᑐᐃᓐᓇᓂᖅᓄᑦ ᐃᓚᒋᕐᑐᕆᕕᓂᖅᓯᒥᒃ ᐃᓚᒋᕐᑐᐃᓐᓇᓂᖅᓄᑦ ᓄᓇᕗᑦ

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Federal Institute for Geosciences
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Reg.: Letter confirming the plans for project CASE 11-Pearya (appl. #1310)

Dear Jane Chisholm,

Since my email of 28. 02. 2008 (and your response), we have to inform you about some changes concerning the personal and the schedule of CASE 11.

New timing and schedule:

(I) Due to the uncertain weather conditions especially in May and June, the time of the aeromagnetic survey is extended to ensure to finish the program in time. Thus, we are now planning to start the aeromagnetic survey already around 5th of May 2008. The aeromagnetic survey will end as planned around the 24.06.2008.

(II) The geological field work will start as planned around the 24.06.2008. The work will be finished about the 02.08.2008. Then the base camp at Taconite River will be put down and cleared up, and equipment, personal and waste will be transported back to Resolute.

(III) There is an amendment to CASE 11: we intend to carry out geological field work in the area of Stenkul Fiord and Split Lake area in southern Ellesmere Island. This will be in the period from approximately 02.08.2008 until 11.08.2008. 4 scientists, a pilot and an Inuit guide will be involved.

Updated personal:

1) Benoit Beauchamps	Geologists, University of Calgary, Canada
2) Nicola Boll	Cook, Weilheim, Germany
3) Benjamin Bomfleur	Geologist, University of Münster, Germany
4) Detlef Damaske	Geophysicist, BGR Hannover, Germany
5) Oliver Deuker	Television Hannover, Germany
6) Nina Ulrike Dörr	Geologist, University of Bremen, Germany
7) Martina Dolezych	Geologist, Geological Museum Dresden, Germany
8) Solveig Estrada	Geologist, BGR Hannover, Germany
9) Holger Forke	Geologist, Natural Museum Berlin, Germany
10) Werner von Gosen	Geologist, University of Erlangen, Germany
11) Friedhelm Henjes-Kunst	Geologist, BGR Hannover, Germany
12) Malte Jochmann	Geologist, SNSK Longyearbyen, Norway
13) Christoph Kasch	Cook / Camp Manager, Berlin, Germany
14) Andreas Läufer	Geologist, BGR Hannover, Germany
15) Frank Lisker	Geologist, University of Bremen, Germany
16) William McClelland	Geologist, University of Idaho, USA
17) Heinz-Dieter Möller	Technician, BGR Hannover, Germany
18) Ulf Neumann	Television Hannover, Germany
19) Gordon Oakey	Geophysicist, GSC Halifax, Canada
20) Karsten Piepjohn	Geologist, BGR Hannover, Germany

21) Lutz Reinhardt	Geologist, BGR Hannover, Germany
22) Christian Scheibner	Geologist, University of Bremen, Germany
23) Bernd Schreckenberger	Geophysicist, BGR Hannover, Germany
24) Cornelia Spiegel	Geologist, University of Bremen, Germany
25) Michael Trapp	Television Kiel, Germany
26) Lars Wehrmann	Television Kiel, Germany
27) to be appointed	Assistent for Benoit Beauchamps
28) to be appointed	Helicopter pilot
29) to be appointed	Helicopter engineer
30) to be appointed	Inuk field guide 1
31) to be appointed	Inuk field guide 2
32) to be appointed	Inuk field guide 3
33) to be appointed	Inuk field guide 4
34) to be appointed	Inuk field guide 5

Not all scientists need to spend the entire period at the base camp. There will be frequent exchange of personal to reduce the number of people in the base camp as much as possible.

To recapture what we have done so far:

Since summer 2007, we were able to establish two depots of fuel – 100 drums of fuel are located in Eureka, 80 drums are located in Tanquary Fiord.

Besides the permit by the National Parks Canada, we have received the confirmation of the PCSP to support our project (07.03.1008, project 706-08), and the screening decision by the Nunavut Impact review Board (10.08.2007, project 07YN052). On 28.02.2008, we have submitted the applications to the Nunavut Research Institute (electronically) and Nunavut Planning Commission by fax. Until now, we have not received any response thus we assume that the application process is on its way.

I will be out of office between Easter and the 08.04.2008. If you have any suggestions or question, especially concerning the translation of the text into Inuktituk, or if you need information please contact:
Detlef Damaske (Detlef.Damaske@bgr.de) or
Solveig Estrada (Solveig.Estrada@bgr.de)

I wish you a nice Easter. Viele liebe Grüße

Karsten Piepjohn

ᑲᐃᓐ ᑲᓱᐅᒪ
ᖃᐅᔨᓴᖅᑐᑦᓴᓄ ᐃᓕᖅᐸᓱᐅᔪᓂᒃ - ᓄᓇᕗᒥᑦ ᐱᓕᕆᔨᑦ
ᑲᓇᑕᒥᑦ ᒥᖅᐳᐃᖅᓯᐊᓕᕆᔨᒃᑯ
ᑐᖓᔾᑎ 278
ᐃᖃᓗᐃᑦ, ᓄᓇᕗᑦ X0A 0H0

ᑲᑎᒪᓐᓇᖅ ᐱᐅᓱᖅ
ᑲᓇᑕᒥᑦ ᑎᒥᖓᑦ ᓄᓇᓕᕆᓂᒍ
ᔪᒥᒪᓗ ᓄᓇᐃᑦ ᓱᓇᒃᑯᑦᖢᑦ
ᓴᑎᐅᑦᓚ 2
ᑎ- 30655 ᕿᑐᐊᓇᐅᑉ

ᐱᓪᓗᒍ: ᑎᑎᕆᖃᕆ ᓇᓗᓇᐃᓕᓴᕆ ᐸᖅᓇᐅᑎᑎᓐᓄᑦ ᑲᐃᖅ 11 - ᐸᓕᐊᐅ (ᐅᖅᑐᖅᐅᑦ: **#1310**)

ᑲᐃᓐ ᑲᓱᐅᒪᓖᒃᑐᑦ,

ᑕᐃᖅᓯᒪᓂ ᑎᑎᖅᑕᐅᕆᓕᒫᒪ ᖃᓕᓴᐅᖅᓯᑯᑦ 28.02.2008-ᒥᑦ (ᐊᖏᒪ ᑭᒍᓱᓂᑦ ᑎᑎᖅᕆᑦᓄᑦ), ᑐᓴᕆᑎᑎᑲᓕᐊᖃᖅᖢᑦ ᐊᓱᔨᐅᐅᑎᔪᓄᒃ ᐃᓄᖓᑎᓄᑦ ᐊᖏᒪᓗ ᐅᑦᓗᔪᐊᑎᖓᑦᓄᑦ ᑲᐃᖅ 11-ᒍᑦ.

ᓄᓪᕆᕆ ᐅᑦᓗᔪᐊᑎᑦ ᐊᑐᖅᓂᐊᕐᕕᒃᑐᓗ:

(I) ᓱᓕᕈᔪᖃᑦᑕᖅᓂᖓᓄᑦ ᑕᑦᕿᓂ ᒪᐃᒥᑦ ᔪᓂᒥᑦᓗ, ᑕᒪᒃᓇ ᐃᓂᑦᓴᖓᔾᔪᑎᑦ ᓂᐱᒃᓇᐅᑎᓄᑦ ᖃᓄᖅᑎᖅᓯᑯᑦ ᐅᐊᓯᖅᑐᑎᖃᖅᑐᑦ. ᑕᐃᒪᓐᒪᑦ, ᑭᖑᓇᐃᓱᒪᓕᖃᖅᑐᒍᑦ ᑕᒪᒃᓇ ᖃᖓᑦᓴᖅᑯᑦ ᖃᐅᔨᓴᐃᓂᖅ ᒪᐃ 5, 2008-ᒥᑦ ᐱᑭᐊᖑᓂᓂ. ᑕᒪᒃᓇ ᐃᓱᓕᓴᐃᓕᖓᖓ ᑭᖑᓇᐅᑉᓱᒪᓕᑎᒃᓂᓂ 24.06.2008-ᒥᑦ.

(II) ᓄᓇᒍᑦ ᖃᐅᔨᓴᐃᓂᖅ ᑲᐊᓱᓂᐊᖅᓂᓂ ᑕᐃbᓂ ᐸᖑᓇᐅᒪᓕᑎᒃᓂᒃ 24.06.2008-ᒥᑦᔾ ᑕᒪᒃᓇ ᐱᓕᕆᔨᐊᖅᑐᑦ 02.08.2008-ᒥᑦ. ᑕᐃᒪᓇ ᑕᖓᒻᓴᐃᑦ ᑕᐃdᓇᐃᑦ ᑯᖓᓂᑦ ᐊᐅᖅᑕᐅᓂᐊᖅᖢᖓᖅ ᑐᖅbᖅᑕᐅᓂᓂ, ᑕᒪᑦᑯᐊᓗ ᐱᐋᑎᑦᑐᓂ, ᓇᖅᒥᓂᓗᐅᔾᔨ ᐃᑎᖅᑕᐅᓂᐊᖅᖢᖓᖅ ᐅᑦᓗᔪᐊᑎᑎᒃ.

(III) ᐊᓱᔨᖅᑐᖓᖅᓯᒪᑦ bᐃᐊ 11-ᒥᑦ; ᐱᓕᕆᐊᓇᓇᓱᑦᑕᑦ ᖃᐅᔨᓴᐃᓂᖅᒥᑦ ᓄᓇᒥᑦ ᖃᓂᒪᔨᖅᓂᓂ ᑲᓇᑕᒥᑦ ᑭᓇᐅᖅᑐᖅᓂᒃ ᐱᓕᕆᔨᒃᑯᑦ ᑐᓂᓯᔪᖅᑐᑦ ᐊᖏᒪᓗ ᓴᐃᑦ ᑕᓯᐅᔨᖅᓯᒪᓂᖅ ᐊᑐᖅᑐᖅᓯᒪᓂᖅ ᑲᑎᒪᓐᓇᖅᑐᑦ 02.08.2008-ᒥᑦ ᑎᑭᓴᓇᓱᓗᒍ 11.08.2008. ᑎᓴᒪᑦ ᖃᐅᔨᓴᖅᑎᑦ, ᖃᖓᑦᑕᓱᖅᑎ ᐊᖏᒪᓗ ᐃᓄᖓᑦ ᓇᐅᑦᓯᖅᑎᑦ.

ᐃᓕᐅᓂᐊᖅᑐᑦ ᑭᒃᑯᓂᖓᓂ:

1) ᕿᐊᓴᓄᐊᑦ ᐸᐅᓴᓪᓴᑦ — ᓄᓇᕗᓂᓕ, ᓱᓕᑐᖅᓴᖓᔾᔪᐊᐊ ᑲᒃᒍᕗᐅᑦ, ᑲᓇᑕᒥᑦ
2) ᓂᐅᓪᓚ ᐅᐊᓴ — ᓂᖅᔨᐅᑎ, ᐃᐅᐅᕿᓕᒃ, ᐅᒪᓂ
3) ᐱᑦᐅᒥᓂ ᐅᑦᑐᓪᓕᐊ — ᓄᓇᕗᓂᓕ, ᓱᓕᑐᖅᓴᖓᔾᔪᐊᐊ ᒪᓐᓴᑐ, ᐅᒪᓂ
4) ᑎᐊᑦᓪᓕᑦ ᑕᒪᓴᑭ — ᓄᓇᒥᒃ ᖃᒥᖅᑭᐃᓕᓂ, ᐱᓕᓴᖅ, ᕿᐊᓴᓄᐊᓕᕐᓂ, ᐅᒪᓂ
5) ᐊᓪᓕᑐᑦ ᑐᐃᓚᓪ — ᑕᓪᓕᐊᓇᓴᑦ ᕿᐊᓴᓄᐊᓕᕐᓂᒥᑦ, ᐅᒪᓂ
6) ᓂᓇ ᐅᑦᓂᒃ ᑐᐊ — ᓄᓇᕗᓂᓕ, ᓱᓕᑐᖅᓴᖓᔾᔪᐊᓇᓂᑦ ᐅᓂᒪᓴᑦ, ᐅᒪᓂ
7) ᒪᐅᑎᓇ ᑐᓪᓗᐅᒃ — ᓄᓇᕗᓂᓕ, ᓄᓇᓄᒃ ᑕᐊᓴᓂᒪᖅᖢᖓᔾᔨᒃ ᑐᑦᑎᑕᓴᑦ, ᐅᒪᓂ
8) ᓱᓕᒃ ᐃᑦᑐᑎᑕ — ᓄᓇᕗᓂᓕ, ᐱᓕᑎᖅ, ᕿᐊᓴᓄᐊᓕᕐᓂ, ᐅᒪᓂ
9) ᕿᐊᓗᒍ ᐅᐊᓴ — ᓄᓇᕗᓂᓕ, ᓄᓇᕗᓂᓄᑦᓯᑦ ᑕᐊᓴᓂᒪᖅᖢᖓᔾᔨᒃ, ᑐᓕ, ᐅᒪᓂ
10) ᐅᐊᓇᓇ ᓴᓴ ᔪᒧᓴ — ᓄᓇᕗᓂᓕ, ᓱᓕᑐᖅᓴᖓᔾᔪᐊᐅᓕ ᐅᐃᓕᓪᓚᖃᓴ, ᐅᒪᓂ
11) ᐅᐃᖏᕿᐃᐊᓗᒃ ᕿᐊᓴᓄᐊᓕᕐᓂᒥᑦ — ᓄᓇᕗᓂᓕ, ᐱᓕᑎᖅ, ᕿᐊᓴᓄᐊᓕᕐᓂ, ᐅᒪᓂ
12) ᒪᐃᓴᑦ ᐅᒃᒪᓴᑦ — ᓄᓇᕗᓂᓕ, ᓴᓇᓴᖃ ᓭᓴᐅᐅᐸᐅᓴᑦ, ᓄᐊᓴᐃ
13) ᔪᓚᑦᑯᑦ ᑲᖏᑦ — ᓂᖅᔨᐅᑎᓂ/ᑲᒪᓕᒃ ᑕᖓᒪᖅᑐᓄᑦ, ᐅᓪᓴᑦ, ᐅᒪᓂ
14) ᐊᓴᑎᓚᐊᑦ ᓪᐅᐸᑲ — ᓄᓇᒥᒃ ᖃᒥᖅᑭᐃᓕᓂ, ᐱᓕᑎᖅ, ᕿᐊᓴᓄᐊᓕᕐᓂ, ᐅᒪᓂ
15) ᐅᑦᑲᒃ ᓂᓴᒃ — ᓄᓇᕗᓂᓕ, ᓱᓕᑐᖅᓴᖓᔾᔪᐊᓇᓂᑦ ᐅᓂᒪᓴᑦ, ᐅᒪᓂ
16) ᐃᓕᓚᒪᑦ ᒪᑲᓪᓕᓴᑦ — ᓄᓇᕗᓂᓕ, ᐊᐃᑕᕿᐅᑦ ᓱᓕᑐᖅᓴᖓᔾᔪᐊᐊ, ᒥᐊᓕᑦᑕᑦ
17) ᕿᐊᐃᓴᓐᓄᐊᑐ ᔪᓪᓕ — ᑲᒪᓕᒃ, ᐱᓕᑎᖅ, ᕿᐊᓴᓄᐊᓕᕐᓂ, ᐅᒪᓂ
18) ᐅᐃᑦ ᓂᐅᒪᓴ — ᑕᓪᓕᐊᓇᓴᑦ ᕿᐊᓴᓄᐊᓕᕐᓂᒥᑦ, ᐅᒪᓂ
19) ᔪᐊᑕᓴ ᐅᐊᑭ — ᓄᓇᒥᒃ ᖃᒥᖅᑭᐃᓕᓂ, ᑲᓇᑕᒥᑦ ᓄᓇᕗᓂᓕᑦ, ᕿᐊᓕᓕᐅᖅ, ᑲᓇᑕᒥᑦ

20) ᑲᐅᓯᑦ ᐱᐅᕐᓴᓐ	ᓄᓇᓕᓗᓂ, ᐱᓂᕆ, ᐄᐊᓐᓇᐅᑦᓭ, ᓴᒪᓂ
21) ᓗᕐ ᕿᐃᓐᐄᐊᐅᑦ	ᓄᓇᓕᓗᓂ, ᐱᓂᕆ, ᐄᐊᓐᓇᐅᑦᓭ, ᓴᒪᓂ
22) ᐃᓚᓴᑎᐊᓐ ᓴᐃᕐᓄ	ᓄᓇᓕᓗᓂ, ᓯᓚᕐᔪᖏᕆᐊᓄᑦ ᓯᓗᒪᓐ, ᓴᒪᓂ
23) ᓯᐃᓐᑦ ᓯᕆᖏᓐᓯᒍ	ᓄᓇᒥᖅ ᑭᒥᕐᕈᐃᓂ, ᐱᓂᕆ, ᐄᐊᓐᓇᐅᑦᓭ, ᓴᒪᓂ
24) ᐃᐊᓂᓕᐊ ᖏᐸᐃᔪᑦ	ᓄᓇᓕᓗᓂ, ᓯᓚᕐᔪᖏᕆᐊᓄᑦ ᓯᓗᒪᓐ, ᓴᒪᓂ
25) ᒪᐃᐃᑦ ᑐᕐᖅ	ᑕᓚᕕᓇᓐ ᑭᐅᓐ, ᓴᒪᓂ
26) ᓀᖏ ᕗᐃᒪᓐ	ᑕᓚᕕᓇᓐ ᑭᐅᓐ, ᓴᒪᓂ
27) ᑎᑦᐃᐊᖅᑕᐅᓴᓗᓀᑦ	ᐃᑲᔪᖅᑎᑦᓴᖅ ᐸᓐᓄᐊ ᐸᐅᑦᓴᖏᓪᓗᑦ
28) ᑎᑦᐃᐊᖅᑕᐅᓴᓗᓀᑦ	ᖃᐃᓕᒍᒪᓪᑦ ᖃᖏᑕᓯᔪᖅᑎ
29) ᑎᑦᐃᐊᖅᑕᐅᓴᓗᓀᑦ	ᖃᐃᓕᒍᒪᓪᑦ ᐊᐅᓪᓚᐅᓯᓗᓕᓕ
30) ᑎᑦᐃᐊᖅᑕᐅᓴᓗᓀᑦ	ᐃᓄᑦ ᓇᐅᑎᖅᓯᔪᖅᑎ 1
31) ᑎᑦᐃᐊᖅᑕᐅᓴᓗᓀᑦ	ᐃᓄᑦ ᓇᐅᑎᖅᓯᔪᖅᑎ 2
32) ᑎᑦᐃᐊᖅᑕᐅᓴᓗᓀᑦ	ᐃᓄᑦ ᓇᐅᑎᖅᓯᔪᖅᑎ 3
33) ᑎᑦᐃᐊᖅᑕᐅᓴᓗᓀᑦ	ᐃᓄᑦ ᓇᐅᑎᖅᓯᔪᖅᑎ 4
34) ᑎᑦᐃᐊᖅᑕᐅᓴᓗᓀᑦ	ᐃᓄᑦ ᓇᐅᑎᖅᓯᔪᖅᑎ 5

ᑕᒪᐃᓐᓂᑦ ᖃᐅᔨᓴᖅᑎᐅᓯᑦ ᑕᖏᒻᒪᕕᑎᓂᑦ ᐅᐸᒍᓯᒪᐃᓐᓇᑦᓴᖑᑎᓪᓗᑦ ᐊᐅᓗᓕᒻᒪᖅ. ᑕᐃᒪᓕ ᑭᖓᔪᕕᖅᑕᐅᖃᑦᑕᔪᓂᐊᖏᒪᑕ ᑕᒪᑦᐃᐊ ᐃᓄᐅᔪᓂᓕᑕᑦ ᑕᖏᒻᒪᖅᑐᓂᑦ ᓇᔪᔪᓐᓇᖅᓂᓕᒻᒪᖓᔪᓂ.

ᐅᖃᐅᓯᓚᓗᑦ ᖃᓄᐃᓕᓕᐅᑎᓂᓯᒪᓕᕆᔨᑦ ᐅᑦᓗᒥᒧᓂ:

ᑕᐃᑲᖓᓱᑦ ᐊᐅᓗᓖᓐᓂᑦ 2007-ᒥᑦ, ᒪᖕᐅᐃᓂᑦ ᐅᖃᓕᕕᖓᓂᑦ ᐃᓂᒋᓚᐃᓚᐅᑉᐳᑎᑦ - 100 ᖃᑦᑕᐅᓕᑦ ᐋᓴᑲᒥᑦ ᑐᖃᖅᑐᖅ, ᐊᒪᒪᓗ 80 ᖃᑦᑕᐅᓕᑦ ᑐᖃᓯᓯᒪᓕᒍᑎᓪ ᒡᒃᓯᓚᐅᓚᐅᑦ ᑲᖏᖃᓗᖓᓂᒃᑐᖅ.

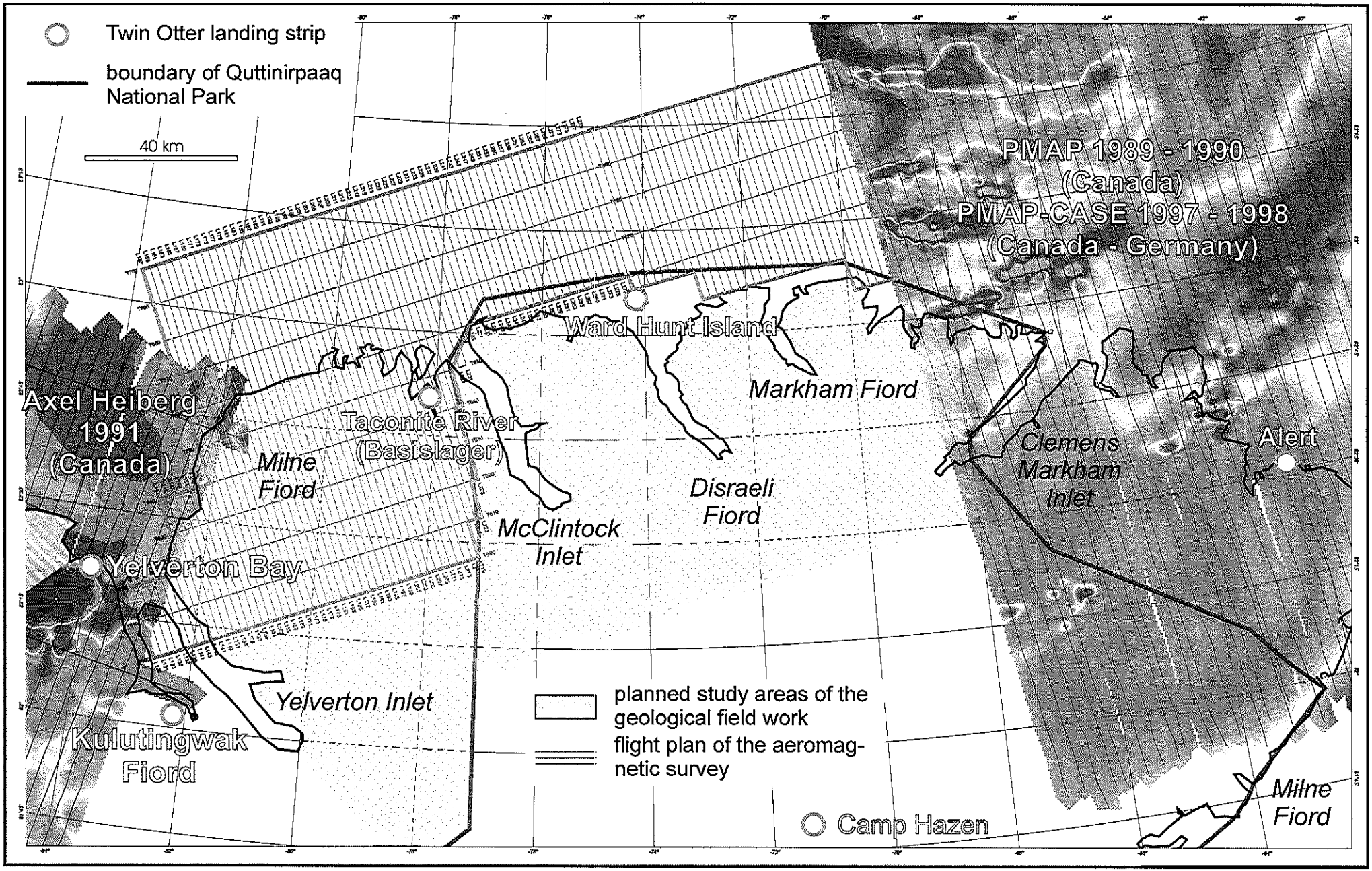
ᐱᐋᒃᓇᐅᑎᖃᖅᓯᑕ ᑲᓇᑕᒥᑦ ᒥᖅᖢᐃᖃᕐᓯᒪᓕᒪᓚᓕᓂᖅᑐᒃᓂᑦ, ᐊᒪᒪᓗ ᐅᖃᐅᓕᐅᓕᒪᓕᒍᓗᑕ ᐃᑲᐋᖃᑎᐅᐋᓂᖅ ᖃᐅᔨᓴᖅᑎᓄᑦ ᐃᑲᐋᖃᑕᐅᓕᐋᖅᓯᒪᓂᖅ ᐱᓕᓚᐅᓗᑎᒃ (07.03.1008, ᐱᓕᓚᐊᒃᓴᖅ 706-08), ᐊᒪᒪ ᖿᒥᕐᕈᐅᓕᓕᑦ ᐊᖏᕐᕕᑕᐅᓇᖅ ᓄᓇᒥᑦ ᐊᐋᑎᓕᓚᓕᓂᒃᓴᓕᒃ ᖿᒥᕐᕈᐃᓕᓕᖅᑎᑕ ᑲᑎᒪᔨᖅᑐᓂ (10.08.2007, ᐱᓕᓚᐊᒃᓴᖅ 07YN052). ᐅᐸᓂ 28.02.2008, ᓇᒃᓯᐅᑎᓕᐅᖅᑕᑦ ᐅᒃᑐᕆᐅᑎᑦ ᓄᓇᒥᑦ ᖃᐅᔨᓴᖅᑐᑦᓂᓕᒃ ᑎᒥᖅᓂᓄᑦ (ᖃᓚᓴᐅᒃᓴᓕᑦ) ᐊᒪᒪᓗ ᓄᓇᒥᑦ ᐸᐃᓇᐃᔨᓴᓕᑦ ᑲᒥᑦᐃᖅᓴᓕᑦ ᓄᓇᒥᑦ ᐱᖓᓱᒪᓕᒍᓗᑕ ᑕᒪᑐᒪᓕᐅᑦ ᒥᒃᓚᓂᓄᑦ ᐊᓕᓚᐅᓗᓂᖅᑐᑦᓂᓕᒃ ᑕᒪᓐᓇᐅᑦᓭ ᐅᓪᓗᒥᑦ ᐃᓕᓴᕐᓂᖅᑐᑦᓂᓕᒃ ᐅᓪᓗᒥᑦ ᐅᖃᖅᑐᒥᑦ ᐅᓂᒃᑳᖓ ᐅᖃᓖᑦᑕᒪᓂᖅ.

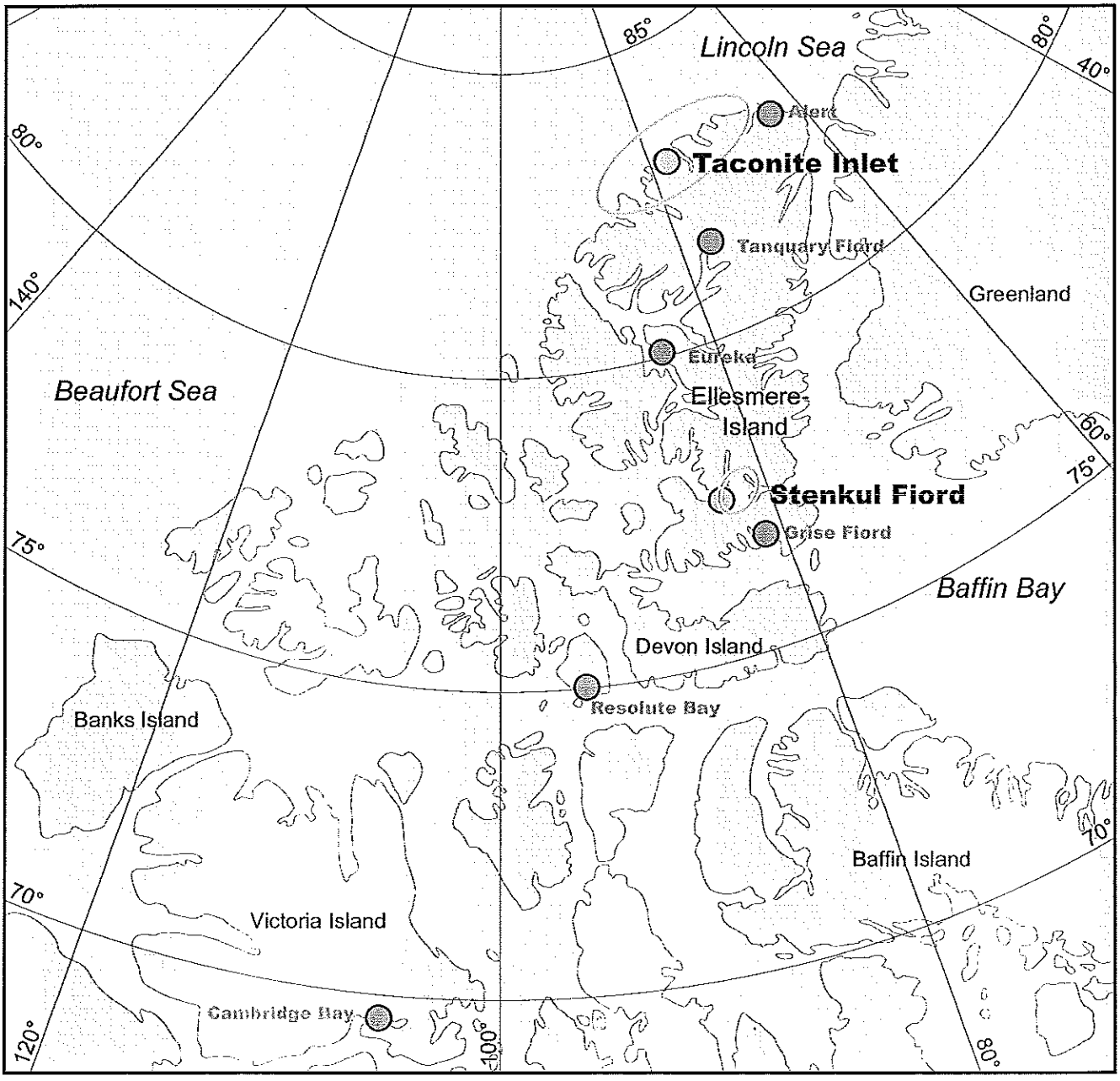
ᐊᓂᓯᒪᓂᐊᕐᓗᒪ ᐋᓐᓂᓚᐃᖅᓂᑦ ᑐᓴᐅᑕᐅᐱᐊᐊ ᐊᑯᓂᖅᓯᒪᓂᖅᓂᑦ ᐋᒪᒪᓗ 08.04.2008. ᐅᖃᐅᓯᓴᓚᖃᕐᓂᑦ ᐅᑦᓭᓗ ᐊᐱᖃᑯᓂᖅ, ᐱᓗᐊᖅᓗᓂᑦ ᐃᓄᖅᑎᑐᓂᖃᑦᓴᓂᑦ, ᐅᑦᓭᓗ ᑐᓴᓕᓯᐊᓂᐊᖃᖅᓂᑦ ᐅᑐᓱᒃ ᐅᖃᓕᓂᑦ:
ᑎᐊᑦᓚᑦ ᑕᒪᓐᑭ (Detlef.Damaske@bgr.de)
ᓯᓚᒃ ᐃᓵᑐᑎᑕ (Solveig.Estrada@bgr.de)

ᑐᖃᑕᐅᐱᖃᑎᑕᐊᖑᑐᓴᓚᐅᓚᐅᖃᖅᑎᑦ. ᐱᐊᓕ ᓕᐊᑦ ᔪᑭᑦᐱᐅ

ᑲᐅᓯᑦ ᐱᐊᑦᓴᓐ

Planned study area of the aeromagnetic and geological field work during "CASE 11-Pearya" in summer 2008





Map with the location of the study areas of CASE 11-Pearya in northern Ellesmere Island (Taconite Inlet) in the Stenkul Fiord / Split Lake areas.

SCHEDULE II

(Section 2)

CLASSIFICATION OF UNDERTAKINGS

Item	Column I Type of Undertaking	Column II Description of Undertaking
1.	Industrial undertaking	Any industrial activity other than mining and milling, including manufacturing processes, hydrostatic testing, fluming, the exploration for, and production and transportation of oil and gas, cooling systems, food processing, tanneries, smelters, sawmills, pulp mills, metal finishing and tailings reprocessing
2.	Mining and milling undertaking	Operation of a mine within the meaning of the *Canada Mining Regulations* or the *Territorial Coal Regulations*, and any milling related thereto
3.	Municipal undertaking	Any activity (*a*) in a municipality, or in a settlement comprising a multiplicity of residential units, that uses only a municipal water and sewage system, including domestic, horticultural, fire protection, commercial or industrial activities, or (*b*) in a camp or lodge
4.	Power undertaking	Authorized hydro or geothermal electrical generation of
	(*a*) Class 0	150 or fewer kilowatts
	(*b*) Class 1	More than 150 kW but less than 5 000 kW
	(*c*) Class 2	5 000 or more kilowatts but less than 10 000 kW
	(*d*) Class 3	10 000 or more kilowatts but less than 20 000 kW
	(*e*) Class 4	20 000 or more kilowatts but less than 50 000 kW
	(*f*) Class 5	50 000 or more kilowatts but less than 100 000 kW
	(*g*) Class 6	100 000 or more kilowatts
5.	Agricultural undertaking	Nourishing crops or the providing of water for livestock
6.	Conservation undertaking	Construction of works for the preservation, protection or improvement of the existing natural environment
7.	Recreational undertaking	A commercial or public recreational development
8.	Miscellaneous undertaking	Any other undertaking see description of the exploration program