



### Greenland exploration data on DVD – the guide to future kimberlite targets in the compilation 'Diamond exploration data from West Greenland'

The Geological Survey of Denmark and Greenland (GEUS) has released a digital compilation of diamond exploration data from companies' geological reporting to Greenland's Bureau of Minerals and Petroleum (BMP). The vast majority of the data have been gathered and reported during the past eight years. The compilation has been issued on DVD and is now available. The DVD contains data from all company assessment reports that are no longer confidential, and also includes GEUS data relevant to diamond exploration.

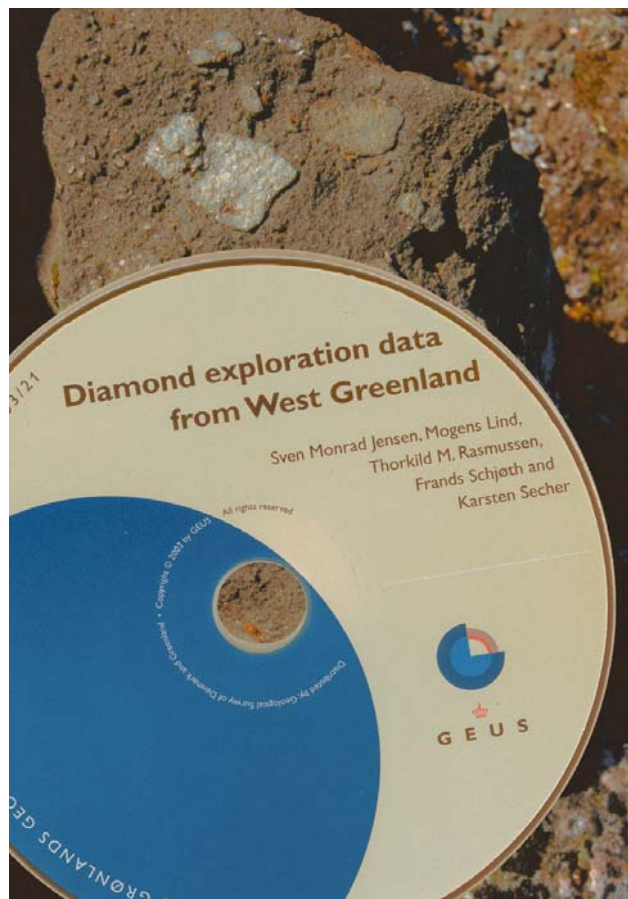
The purpose of the present digital compilation on DVD is to provide an overview of available company and Survey data to the mining industry to assist in the selection of future diamond exploration targets, highlighting Greenland's position as part of the Archaean North American craton.

*Read more about the DVD on page 2-3*

### The Nalunaq gold mine – a fact in Greenland mining

It is announced (30 April 2003) that the authorities have granted Nalunaq Gold Mine A/S (NGM) a 30-year mineral exploitation license for its Nalunaq gold deposit in southern Greenland. This is Greenland's first gold mine. Nalunaq Gold Mine A/S is owned 82.5% by Crew and 17.5% by its Greenlandic partner, Nunaminerals A/S, whose largest shareholder is the Government of Greenland.

The application for the exploitation license was based on a full feasibility study comparing the option of mining and then processing the ore at an offshore facility with the option of mining and processing the ore at a facility on site. The offshore processing option demonstrated superior economics for the project and will allow for an early cash flow and further expansion of the ore resources at minimal capital investments.



*Collage of the DVD and kimberlitic boulder*

The current mine plan is based on measured and indicated resources of approximately 400,000 oz gold, but the deposit has imminent upside potential and a resource expansion program will be conducted in parallel with mining operations.

### Details from the official 'List of mineral and petroleum licences in Greenland': [www.bmp.gl](http://www.bmp.gl)

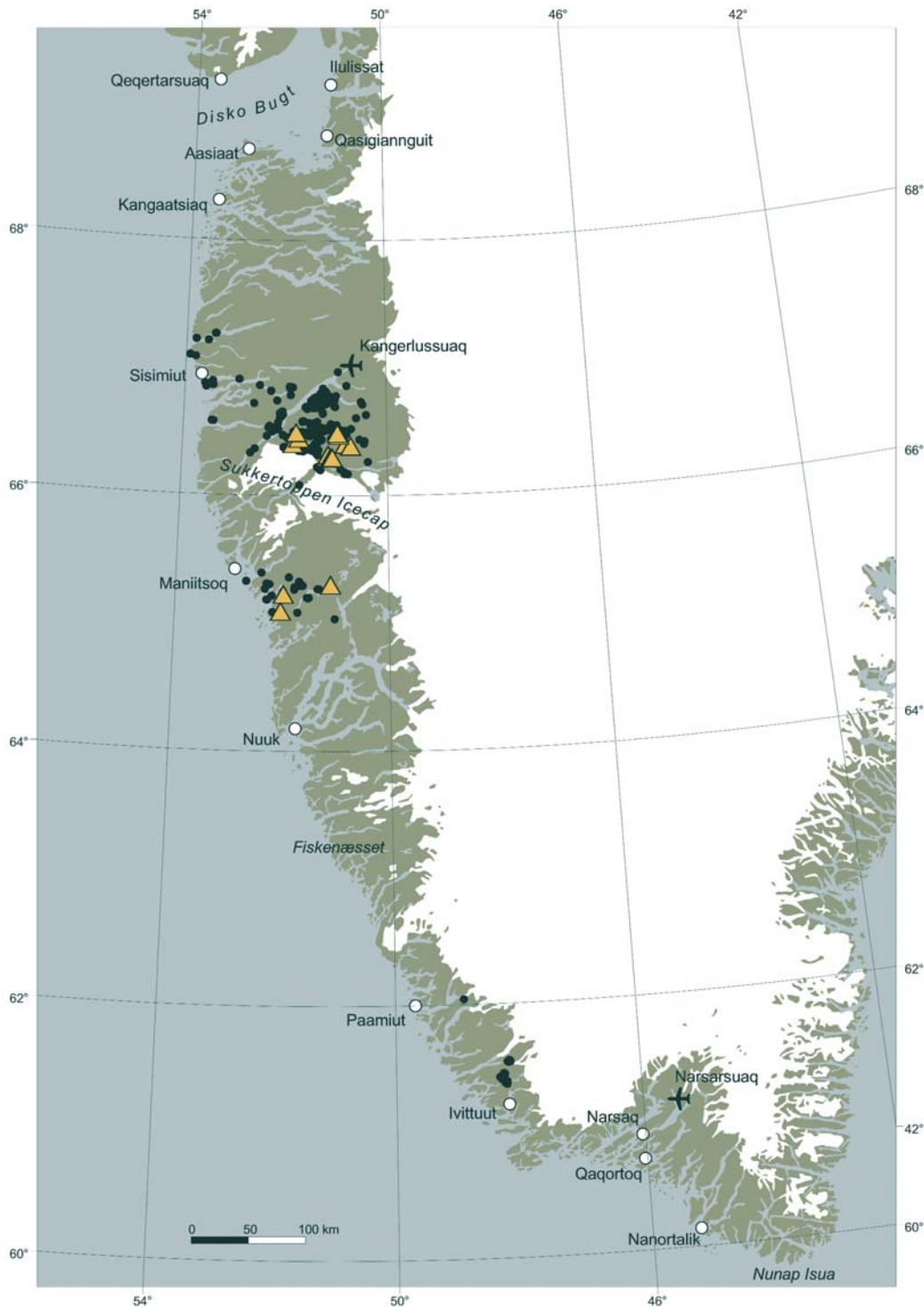
#### EXPLOITATION LICENCES (EXCLUSIVE) FOR MINERALS:

**Licence:** 2003/05 at Napasorsuaq in South West Greenland.

**Licensee:** Nalunaq Gold Mine A/S, Greenland  
**Licence area:** An area covering 22 km<sup>2</sup>.

**Licence period:** 2003-2033. Expires 24 April 2033.





Overview of southern West Greenland with occurrences of kimberlitic rocks (black dots) and diamond finds (yellow triangles).

## 'About the compilation 'Diamond exploration data from West Greenland'

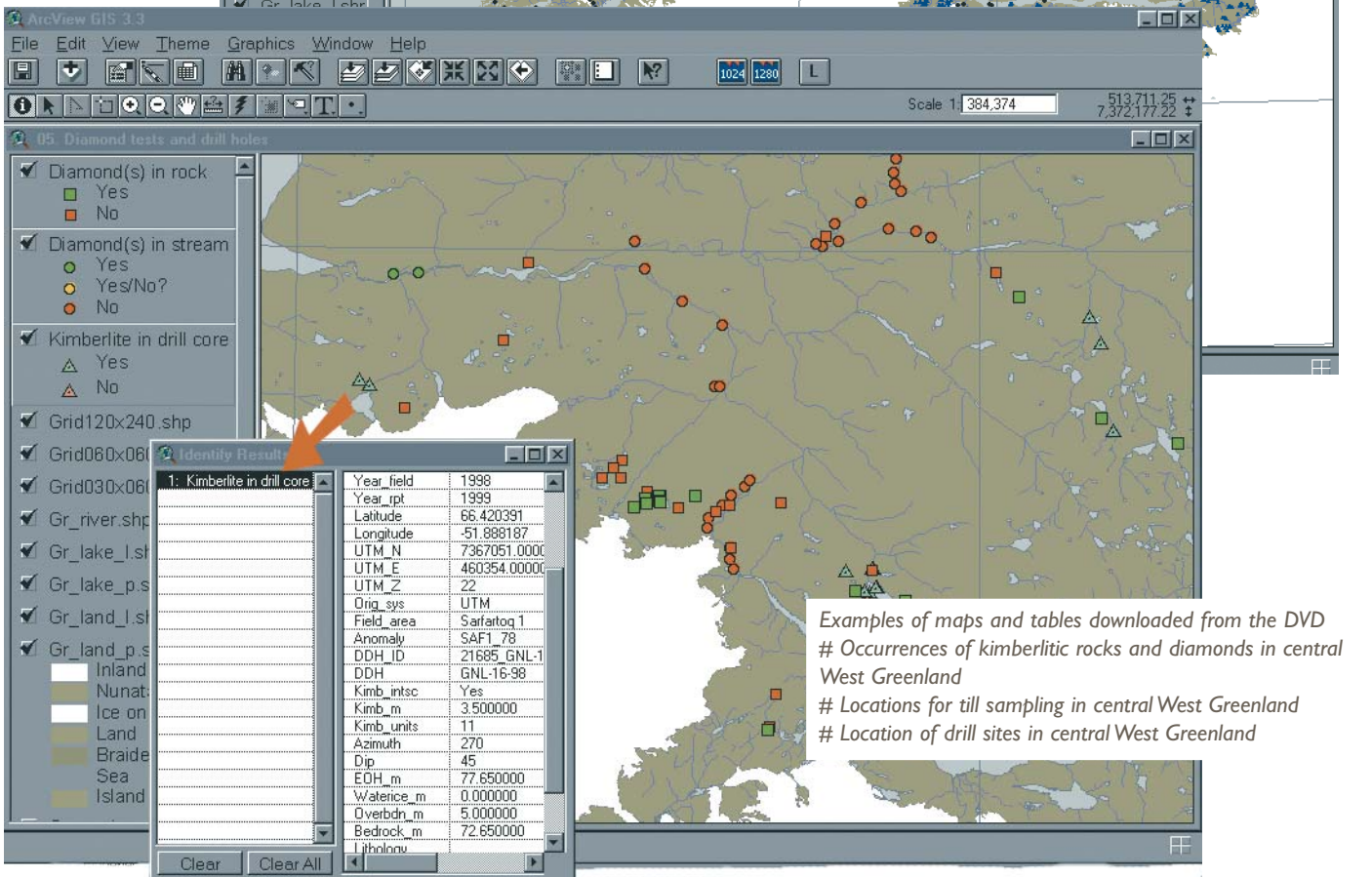
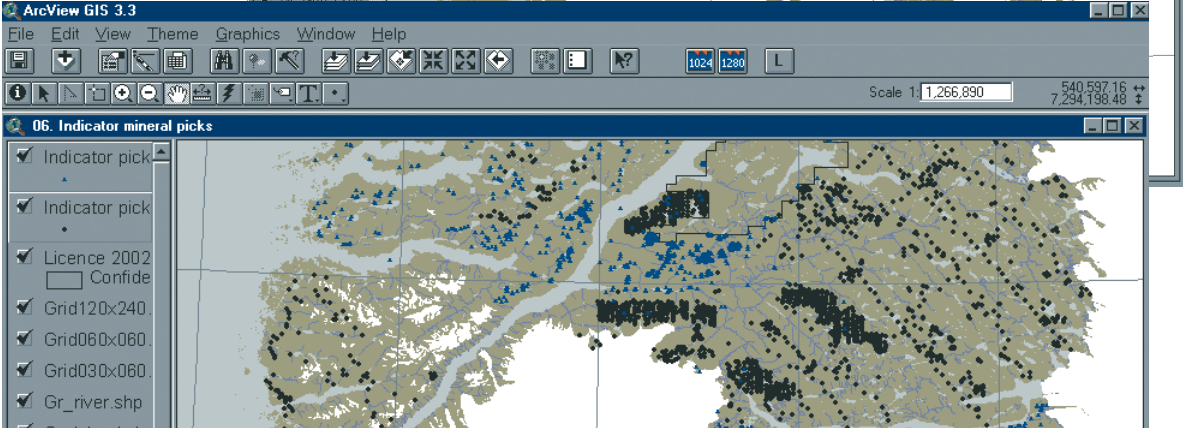
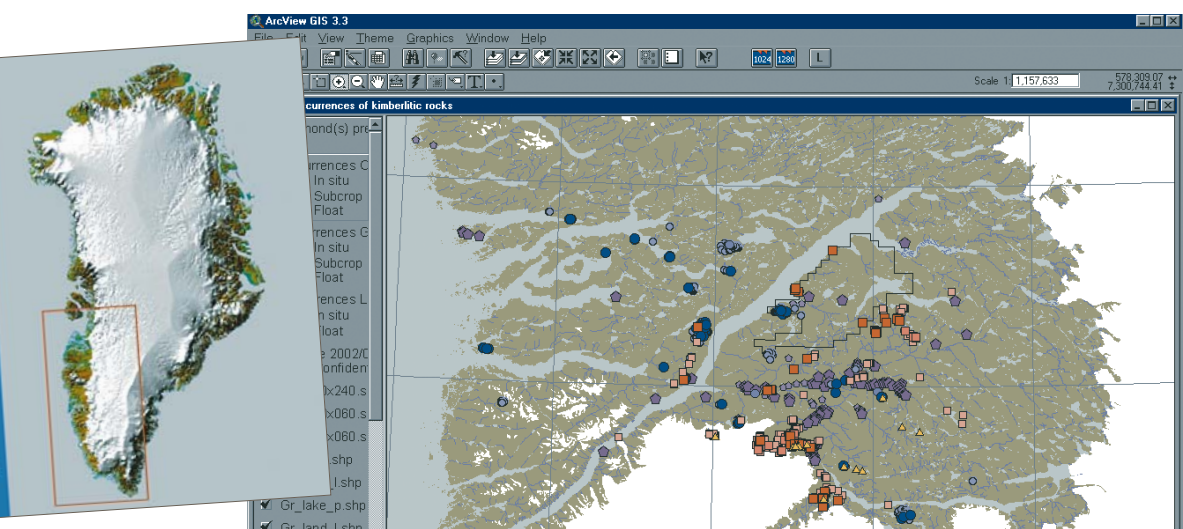
The compilation contains scanned text and maps, and selected digital data from company assessment reports submitted to the Bureau of Minerals and Petroleum in fulfilment of the standard terms for exploration licences. Reports that are no longer confidential are presented on the DVD as Adobe PDF documents. Most of the scanned reports are delivered complete with large maps and appendices. Tabular data have been extracted from the

reports and are compiled in MS Excel spreadsheets, MS Access 2000 tables and ArcView GIS shapefiles. Extensive use of hyperlinks provides easy navigation between the data and the reports from which they were extracted. The content of the DVD also includes a very comprehensive list of references, including both papers and reports.

The data include mineral analyses of heavy minerals recovered from till samples, dyke and boulder distribution maps, geophysical surveys, results of diamond testing of mini-bulk sampled dykes, drill logs, etc. An overview of existing and available geophysical data of relevance to



Examples of maps and tables downloaded from the DVD



Examples of maps and tables downloaded from the DVD  
 # Occurrences of kimberlitic rocks and diamonds in central West Greenland  
 # Locations for till sampling in central West Greenland  
 # Location of drill sites in central West Greenland

MINEX 24 · JUNE 2003

diamond exploration in West Greenland is provided as GIS maps, and in the Excel and Access tables.

The GIS presentation of the data is best explored and manipulated using the commercial ArcView GIS 3.3 software from ESRI, but is also provided in a version for ESRI's freeware GIS viewer ArcExplorer 4 (included on the DVD).

**S. M. Jensen, M. Lind, T. M. Rasmussen, F. Schjøth & K. Secher 2003:** 'Diamond exploration data from West Greenland. Danmarks og Grønlands Geologiske Undersøgelse Rapport 2003/21, 50 pp + 1 DVD.

The report with DVD is in 2003 available from GEUS at a special introduction price of DKK 700 (= USD 100) including postage.

## New issues of the series 'Geology & Ore' and Fact Sheets with themes from 'Greenland exploration and mining'

The publication series announced in MINEX 23: 'Geology & Ore' and 'Fact Sheets' (on Greenland mineral resources), present new issues with subjects on the 'Black Angel Mine' in Maarmorilik; Airborne geophysical data; Geochemical data as exploration tools; Map of mineral occurrences.

The following issues are available (new issue\*):

**2002 Geology & Ore No.1:** Gold mineralisation and gold potential in South Greenland, 12 pages

**2003 Geology & Ore No.2:** The Black Angel lead-zinc mine at Maarmorilik in West Greenland, 12 pages\*

**2003 Geology & Ore No.3:** Airborne geophysical data from Greenland, 12 pages\*

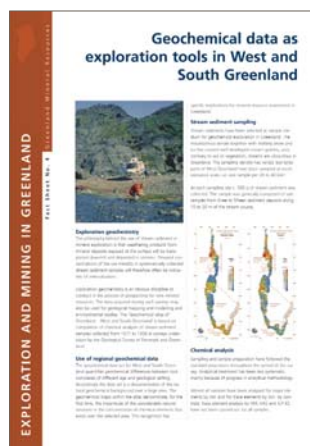
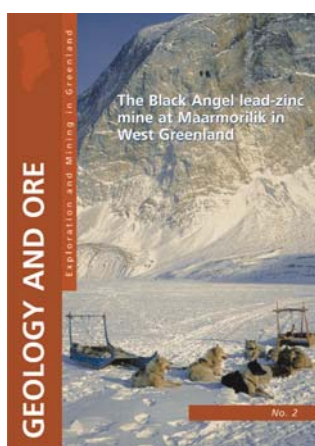
**2002 Fact Sheet No.1:** Gold mineralisation and gold potential in South Greenland, 2 pages

**2002 Fact Sheet No.2:** Early mining activities in South Greenland, 2 pages

**2002 Fact Sheet No.3:** Deposits of speciality metals in South Greenland, 2 pages

**2003 Fact Sheet No.4:** Geochemical data as exploration tools in West and South Greenland, 2 pages\*

**2003 Fact Sheet No.5:** Map of known mineral occurrences in Greenland, 2 pages\*



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