

Final Report

**Maintenance and Upgrading of the
Northern Granular Resources Bibliography**

March 31, 2007

Submitted to

Lands Program
Land and Water Management Directorate
Natural Resources and Environment Branch
Indian and Northern Affairs Canada

by

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D013504

Introduction

This report summarizes the work done from December 2006 to March 2007 under contract 20-06-0202 to maintain and upgrade the Northern Granular Resources Bibliographic Database (NGRBD), which describes publications about granular resources in Yukon, the Northwest Territories, Nunavut and adjacent offshore areas.

The work was divided into two major tasks. The first was a trip to Yellowknife by Lynne Howard, an ASTIS Information Analyst, to publicize the NGRBD and view reports at several libraries. The second task was to update and expand the NGRBD using PDF files of granular resources reports provided by Indian and Northern Affairs Canada (INAC) and its consultants, as well as reports from other sources.

Trip to Yellowknife

1. Planned and organized a trip to Yellowknife for the purpose of demonstrating and promoting the NGRBD to N.W.T. organizations.

- In December 2006 contacted 13 organizations and scheduled in-house demonstrations of the database with 12 interested organizations.
- Developed promotional materials, including: an information sheet to distribute or post on a notice board to advertise the upcoming demonstration (see Appendix 1); an "NGRBD business card" that provided contact information and the URL for the NGRBD database (enclosed with hard-copy deliverables); the instruction sheet "Additional Tips for Searching" (see Appendix 2); and a PowerPoint presentation (see the file NGRB 2007-01.ppt, also enclosed with hard-copy deliverables).
- Re-connected with everyone in early January 2007 to circulate and confirm the schedule, verify times and locations, and send information on promotion, searching, etc. Details of communications are included in Appendix 3.

The following table lists the presentations that were made in Yellowknife.

Date and Time	Organization/Address	Contact Information
Jan. 17/07 @ 1:30 p.m.	Environment Canada. Environment Library 5204 50 Ave., Suite 301 Diamond Plaza (south on Franklin = 50th Ave.)	Tanya Krueger, Librarian Tanya.krueger@ec.gc.ca 867-669-4717 (3 attendees)
Jan. 17/07 @ 3:30 p.m.	NWT Archives/Prince of Wales Northern Heritage Centre 4750 48 St. (10:30-5 p.m.)	Tom Andrews - Arky. Tom_andrews@gov.nt.ca 867-873-7688 Glen MacKay - Arky. Glen_mackay@gov.nt.ca 867-920-6182(13 attendees)

Jan. 18/07 @ 1:30 (book entire afternoon) Joint with INAC District Office at Bellanca Bldg.	NWT Lands Library Bellanca Bldg, 5th fl. 4914 - 50th Ave. Reports to: Marjorie Fraser	Steve Skinner, Assist. Lands Specialist (12 attendees) SkinnerS@inac.gc.ca 867-669-2713 (fax) 867-669-2678 (phone)
Jan. 18/07 @ 1:30 (book entire afternoon) Joint presentation with NWT Lands Library at Bellanca Bldg.	INAC District Office 140 Bristol Ave. near YK airport (can arrange someone to pick me up - Reports to: Darnell McCurdy) to include field inspectors if possible	Charlene Coe, Land Use Admin. CoeC@inac.gc.ca 867-669-2720 fax 867-669-2762
Jan. 19/07 @ 11:00 a.m. Joined by MVLWB	MVEIRB 200 Scotia Centre 5102 - 50th Ave.	Martin Haeefe, Senior Env. Assessment Officer mhaefe@mvairb.nt.ca 867-766-7053 (9 attendees)
Jan. 19/07 @ 11:00 a.m. Joint presentation with MVEIRB.	MVLWB 4910 50th Ave., 7th floor	Adrian Paradis, Regulatory Officer adrian@mvlwb.com 867-766-7473
Jan. 19/07 @ 4:00 p.m.	NWT Geoscience Office C.S. Lord Building 4601-B 52 Ave.	Erin Palmer, Librarian Erin_palmer@gov.nt.ca ls=NWYING (10 attendees) 867-669-2636
Jan. 22/07 10:00 a.m.	EBA Engineering Consultants Ltd. #201, 4916 - 49 St.	Ed Hoeve ehoeve@eba.ca (6 attendees) 867-766-3728, ext. 114 (starts work @ 8 am)
Jan. 22/07 @ 2:00 p.m.	NWT Municipal & Community Affairs. Pipeline Readiness, Comm. Affairs Northwest Tel Tower, 5th fl., 5201-50 Ave.	Murray Cutten, Man., Res. Dev. Impacts Murray_Cutten@gov.nt.ca 867-873-7977 (5 attendees)
Jan. 23/07 @ 11:00 a.m. Joined by the Fred Collins/Janet Diveky group, by invitation	NWT Transportation Highways Bldg. 4510 - 50th Ave.	Larry Purcka, Man. Tech. Services Larry_Purcka@gov.nt.ca 867-873-7647 (4 attendees)
Jan. 23/07 @ 11:00	NWT Public Works &	Janet Diveky, Librarian

Joint presentation with NWT Transportation.	Services, Tech. Library Services Stuart Hodgson Bldg. 5009 - 49 St.	Janet_diveky@gov.nt.ca 867-920-6451 (Tues.-Thurs, 9-2) Dept. Head: Fred Collins
Jan. 23/07 @ 2:00 p.m. Obtain report: Remote sensing tech. for the delineation of buried gran. dep./Bird & Hale, 1982	ENR-ITI Library (Is=NWYRR) Scotia Centre, 5th fl. 600, 5102 50th Ave.	Kim Ullyot, Library tech. (Elliot starting umbrella) 867-920-8606 (8 attendees) enriti_library@gov.nt.ca or kim_ullyot@gov.nt.ca (Supervisor: Ron Graf, Infomatics 867-920-3327)
Total Demo Attendees: 70		

2. Located/Indexed/Upgraded Granular Reports from Yellowknife Collections:

- 28 reports were partially indexed in Yellowknife:
 - 27 from NWT Lands Library (contact Steve Skinner).
 - 1 from ENR-ITI Library (contact Kim Ullyot). "Remote Sensing Techniques for the Delineation of Buried Granular Deposits" by Bird and Hale Ltd. for Ontario, 1982.
- 12 records in the NGRBD were identified that should have the NWT Lands Library code added to them. This was done upon return to Calgary.
- Report collections housed at the various departments and libraries were briefly investigated: C.S. Lord Geoscience Centre library (good potential source for granular reports), INAC Water Resources, etc. More investigation is required.

3. Missing EBA Reports

Several collections were checked in an attempt to locate a series of EBA reports that have gone missing from the AINA library collection. The reports can be viewed at the EBA Calgary Office if we are unable to obtain scanned copies.

Created and Enhanced NGRBD Records

1. Processed PDF Files from INAC and its Consultants

Existing NGRBD records were upgraded by either adding/replacing PDFs that had been sent to ASTIS via FTP or on CDs. New reports to be indexed were identified. Work on the folders of PDFs was completed in the following order:

From INAC June 2006 contained 8 PDF files: 1 new report indexed, 7 records upgraded.

From INAC Dec 2006: Projects 1 through 5: ~255 PDFs were either added to existing records or replaced an existing PDF in a record, 49 new PDFs were indexed. 13 outstanding questions will need to be resolved by Bob and/or Steve.

From AMEC June 2006: 25 PDFs from AMEC were opened and compared with existing PDFs in ASTIS records to determine the superior versions: 2 reports were incorrectly identified, 1 existing PDF seemed superior and therefore was not replaced, 2 PDFs were indexed as new reports, 9 were added to existing records and the server, and 12 replaced existing PDFs.

From AMEC via INAC:

Indexed/New (11): 1 replacement; 1 add. The file size of the remaining PDF files were identical to those already dealt with above; therefore, no further action was required.

Indexed/Replace (12). Only 1 PDF file was the same size, the others were opened and compared with existing PDF files. Of these, 10 PDF files replaced existing PDF files; two PDF files were not used as replacements because one was the same as an existing PDF file and the other one was rejected in favor of the existing PDF file. Some of the differences were very subtle.

Not Indexed (2). No new indexing resulted. One PDF file was used to replace the existing PDF in record 33373 and the second PDF had already been recorded as a new PDF file.

Mollard Dec. 2006 Of the 18 PDF files received so far, 16 were indexed, 1 PDF file was added to an existing record and 1 was a replacement PDF file for an existing record. When he sent us the 18 files in Dec. 2006, Troy Zimmer said he would have another 3 to send later. He did not reply to a reminder in Feb. 2007.

Klohn and their reincarnations

Indexed_New (4): 2 PDFs were added to existing records, 1 was replaced, the 4th was not used as it was less complete than the existing PDF.

Indexed_Replacement (15): Each PDF file was searched against ASTIS, the existing PDF file compared against the Klohn one, and then 15 replacements were made.

EBA Dec. 2006 CD The CD, with its accompanying PDF file, is the only new report to index. 7 PDF files were identical to existing ones, therefore no further action was required; 18 PDF files were replaced in their appropriate record.

2. Processed Other Granular Resources Publications

New indexing, in addition to the main runs of PDF files supplied by INAC and its consultants:

- From Steve Rozak via e-mail: 2 PDFs (D01301.pdf and SISN 61298).
- From Irvin Allen, INAC, Ft. Smith Office: 1 faxed report - indexed but subsequently rejected as it was a proposal.

- From INAC, N.W.T. Lands Library (27 partially indexed on site). A number of items were rejected and about 5 could not be located on the shelf. Of these 27, three were indexed under another contract and not charged to the granular bibliography and contain the bi=NOTNGRB.
- From NRI-ITI Library, Yellowknife: (1 report partially indexed on site).
- From Myrna Button of the Inuvialuit Joint Secretariat Library in Inuvik.
- From the ASTIS backlog and the Web.

Although this contract called for the addition of 140 new records to the NGRBD, the diversion of a large amount of the available Information Analyst time to other tasks permitted us to locate and index only 68 new reports. The other tasks included scheduling twelve demonstrations of the NGRBD in Yellowknife, creating a PowerPoint presentation and other promotional materials, examining and searching large numbers of PDF files, and upgrading many existing NGRBD records.

Records were prepared to ASTIS's usual standards, including full citations with standardized corporate authors, detailed subject and geographic terms, and full abstracts. All records were carefully proofread after being added to the database. A total of 68 new records were created under this contract. At the end of March 2007, the NGRBD contained 1684 records, 686 of which contain links to PDF files.

Before PDF files were mounted on the Arctic Institute's publications server they were renamed to use their ASTIS record numbers as their file names. Once a file was placed on the server a URL was added to the corresponding NGRBD record to link the record to the file (or files, in the case of some multi-volume reports) on the server. Approximately 355 PDF files were placed on the publications server under this contract. Approximately 88 of those files replaced files that were already on the server, and the remaining 267 were new to the server (but in most cases were not new to NGRBD).

Provide Hosting Services

Hosting of the NGRBD and Northern Granular Resources website on the ASTIS server for fiscal year 2006-07 was paid for as part of this contract. Several improvements were made to the Key Publications page, including adding an index, adding a new section for Inuvialuit Final Agreement Implementation Task 7 reports, and the fixing of bad links. Reports on usage were provided to the Departmental Representative in October 2006 and April 2007. The usage reports provided tables and graphs of monthly search sessions and profile searches since March 2000.

Hosting of granular resources reports as PDF files on the Arctic Institute's publications server was prepaid for four years (April 1, 2004 to March 31, 2008) as part of the fiscal year 2003-04 contract. Under this 2006-07 contract the number of granular resources PDF files on the server increased from 347 to 614. The increase of 267 files was much larger than the increase of 100 files specified by the contract.

As described in the following table, with the completion of the *Arctic* digitization project the AINA publication server now contains 3204 files occupying almost 10 GB. The server has 46 GB of unused disk space.

Directory	Files	GB
Articles from <i>Arctic</i>	2345	2.55
Other AINA Publications	12	0.036
Granular Resources Publications	614	6.60
Makivik Corporation Public Documents	216	0.763
Circumpolar Health Publications	17	0.023
Total	3204	9.972

Deliverables

This contract included providing the Departmental Representative with five paper copies of this Final Report; and two sets of DVD+Rs, each containing this Final Report, the NGRBD in tab-delimited and Microsoft Access 2000 formats, and the 614 PDF files that are on the publications server.

Both versions (tab-delimited and Access) of the NGRBD contain the following 20 fields, a few of which combine two or more ASTIS fields:

ASTIS_No
 Title
 Authors - combines people, organizations and roles (e.g., Sponsor)
 Edition
 Imprint
 Collation
 Larger_Works - combines several types (e.g., journals, books)
 ISBNs
 Notes
 Languages
 Year
 Citation_Source
 Bibliographies
 Locations
 URLs
 Subject_Codes

Subject_Terms

Geog_Codes

Geog_Terms

Abstracts - combines English and French abstracts, and source (e.g., Au = author)

The first record of the tab-delimited version of the database contains the above field names. The eight fields that are shown in italics above are defined as Memo fields in the Access version of the database because they sometimes contain more than 255 characters of text.

The Bibliographies field has been included because it contains the codes for Inuvialuit Settlement Region subregions. All records have NGRB in this field, many records also have other codes, and records about the I.S.R. have NGRB-IN, NGRB-IY and/or NGRB-IB for the N.W.T., Yukon and Beaufort subregions of the I.S.R. respectively.

Financial Summary

Yellowknife travel, accommodation and meal costs: \$1686.29

Information Analyst: 36.9 days @ \$350 = \$12,915

New NGRBD records: 68 @ \$60 = \$4080

Hosting services: \$1000

Production of deliverables: 1 day @ \$550 = \$550

Total: \$20,231.29

The cost of the work completed exceeded the \$19,985 available under the contract.

Work Remaining to be Done

The following list of NGRBD work that remains to be done was prepared by Lynne Howard, ASTIS Information Analyst.

INDEXING WORK REMAINING TO BE DONE

1) PDF files of INAC reports (31 PDFs in hand)

We have a carry-over of 31 new PDF files received from Steve Rozak in 2006 that we were unable to index under the 2006/2007 contract. A number of these are consultants' reports. They need to be searched and upgraded or indexed.

2) Report in hand at the ASTIS office

- **Management of granular resources: presentation # 5 by Robert J. Gowan.** Printed from NGPS website, Public Registry, Interveners under INAC.

3) Inuvialuit Land Administration Office, Tuktoyaktuk, reports (14-15 reports have been requested)

Now that their library is up and running again, Todd Romaine has promised to photocopy and send us the following reports from their collection, free of charge, as their

contribution to work on granular resources in the ISR. We anticipate that they will arrive soon.

- 1) ID 827: Environmental implications of the engineering design of a gas pipeline from Prudhoe Bay, Alaska to Alberta
- 2) ID 1202: INAC maps and data sheets for field geotechnical investigation program
- 3) ID 43: Community land administration certificate program. Land Administration III - student manual
- 4) ID 46: Community land administration certificate program. Land Administration I - student manual
- 5) ID 47: Community land administration certificate program. Land Administration II - student manual
- 6) ID 785: An evaluation of the fish resources of the Mackenzie River valley as related to pipeline development - volume 1
- 7) ID 1373: Gravel haul, Tuktoyaktuk, NWT (tender form)
- 8) ID 1328: ILA environmental monitoring training course - Inuvik, October 2001
- 9) ID 1329: ILA environmental monitoring training course - Tuktoyaktuk, September 2001
- 10) ID 20: Inuvialuit Land Administration - quarry licence data information
- 11) ID 5: Inuvialuit sand and gravel inventory and management plan
- 12) ID 137: Land use and quarry applications in support of the town of Inuvik
- 13) ID 885: Petroleum industry training service (PITS) - training plan guide 2002
- 14) ID 1430: Project description for the proposed Petro-Canada Swimming Point quarry
- 15) ID 960: Tuktoyaktuk Harbour, NWT - potential borrow sources

4) Additional PDF Files of Consultants' Reports

a) J.D. Mollard and Associates Limited

Mollard may have 3 additional reports to send us.

b) Inuvialuit Environmental and Geotechnical Inc. (Calgary) (obtain 2+ reports)

Contact their office to obtain permission to visit and borrow or acquire granular reports to index. One (two?) report that I wish to obtain is entitled: Project description for the proposed Petro-Canada Devil's Lake quarry, 2001a and 2001b (Project #745-00 prepared for Petro-Canada by IEG). I have already tried to obtain this report from Kevin Bill (fjmc@jointsec.nt.ca) and as a last resort can get a photocopy from Myrna Button. She has obtained permission to copy it for me if I am unable to obtain a copy from Inuvialuit Environmental & Geotechnical. The report contains folded maps that would be unwieldy to copy.

5) Outstanding reports cited in INAC publications

Lists of reports that Bob provided during the last Gatineau trip, once searched, revealed additional granular reports. We hope that it will be possible for Steve Rozak at some point to identify these reports and send us PDF files or the actual reports for indexing.

a) Outstanding reports listed in Bob's bibliography "**Granular Resources of the Slave Structural Province, N.W.T.**" / M.J. Bevan:

1. Snare Lake community granular program, p. 33
2. Izok project feasibility study - winter haul road, p. 35
3. Izok project feasibility study - mine site geotechnical investigation, p. 35
4. Koala Mine - airport esker evaluation, p. 38 **(obtained)**
5. DIAND 1995 summer field reconnaissance program, p. 39
6. Geotechnical investigation of selected granular prospects, Lac de Gras area, N.W.T., p. 41
7. WKSS/DIAND esker management project, p. 41

b) Outstanding reports listed in "**WOW DMS : digitization of reports for Indian and Northern Affairs Land Programs**" from appendix C:

1. D001588: Marine resistivity studies, southern Beaufort Sea
2. D001601: Western Beaufort region concrete aggregate study, August 1986
3. D001613: Evaluation of granular resources and subsurface soil conditions at Phillips Bay and King Point, Yukon Territory, volume I of II
4. D001653: Mackenzie Valley transportation corridor granular resources database, Northwest Territories, Canada
5. D002153: Western Beaufort region concrete aggregate study, March 1989
6. D002159: Banks Island borrow area Beaufort Sea
7. D003046: Proposed temporary bridge River Between Two Mountains, mile 411.6, Mackenzie Highway, N.W.T. **(obtained)**
8. D003512: NOGAP project progress reports reporting period: year end date: May 1992
9. D003869: Hydrology report Liard Highway
10. D003872: Hydrologic studies along the Liard Highway, spring and summer, 1978
11. D003873: Assessment of the effects of highway culverts on some fish supporting tributaries of the Liard River
12. D003933: Geotechnical evaluation of granular material Mackenzie Delta area, 1976 **(obtained)**
13. D006613: Diamonds project
14. D006621: Glaciofluvial and glaciolacustrine sedimentation
15. D006629: Izok project feasibility study mine site geotechnical investigation
16. D007643: Norman Wells pipeline
17. D007928: Granular resource investigation, Lac de Gras, N.W.T., geophysical report, February 1997

NON-INDEXING WORK REMAINING TO BE DONE

1) Replace four (4) records

Bob Gowan has identified 4 records that are proposals, which he would like removed from the ASTIS database as soon as possible after year end. These records are 35160, 60466, 60919, and 60930. They currently have the bi=NOTNGRB.

2) Folder of questions for Bob and Steve

As of April 2007, there are 15 PDFs in a folder that need attention: some are damaged, some have missing information, and some are of questionable relevance to the NGRBD. Some of these PDFs need to have the cover/title page rescanned so that they can be identified and indexed. They need to be reviewed by Steve or Bob.

3) EBA reports

Bob Gowan has made arrangements with Ed Hoeve to have the following reports scanned, which will greatly help us resolve the duplicate/missing report issue:

Mackenzie Highway report titles missing from the UofC AINA Collection and required for verification to identify possible duplicates. These are the Mackenzie Highway reports that were done by EBA and Brooker. Many of these had gold covers, I believe. Unfortunately they were borrowed by a consulting company and not returned.

1. Center line and special borehole logs, section V, mile 648 to mile 632, v. 13
2. Borrow borehole logs, mosaics and borrow profiles, borrow area summary table, section IV, mile 668 to mile 649, v. 12
3. Center line and special borehole logs, section IV, mile 668 to mile 649, v. 11
4. Borrow borehole logs, mosaics and borrow profiles, borrow area summary table, section III, mile 688 to mile 669, v. 10
5. Center line and special borehole logs, section III, mile 688 to mile 669, v. 9
6. Borrow borehole logs, mosaics and borrow profiles, borrow area summary table, section II, mile 705 to mile 689, v. 8
7. Center line and special borehole logs, section II, mile 705 to mile 689, v. 7
8. Borrow borehole logs, mosaics and borrow profiles, borrow area summary table, section I, mile 725 to mile 706, v. 6
9. Center line and special borehole logs, section I, mile 725 to mile 706, v. 5

4) Search the bibliography "Recent Publications by Staff of Natural Resources Canada that are Relevant to the Environmental Assessment and Regulation of the Mackenzie Valley Pipeline and Future Exploration and Development"

Look for publications that mention granular or surface geology. **Split the cost of searching between NGRBD and Hydrocarbon Impacts.**

5) INAC, Land Programs Office Reports (Obtain copies of miscellaneous reports from the "storeroom")

Over the course of the last several years a number of requests for information pertaining to reports in the INAC Land Programs Office have been forwarded in various e-mails. Realizing how difficult it is at present to retrieve reports from the storeroom, we hope the perfect time to locate these reports will be when Bob and Steve commence the report disposal process. At that time, we hope, these "previously requested reports" can be retrieved. This task has low priority.

6) Search "Review of EBA Granular Resources Studies in the Northwest Territories" (on CD, PDF file and paper)

After we feel that our coverage of EBA granular reports is complete, we could search this publication looking for omissions, and if possible, obtain the outstanding reports.

7) Search Virtua Catalogue

At some future point in time, using the INAC Library's Virtua online catalogue, verify existing library symbols that have been used on reports held at the various INAC offices and libraries and add additional ones as needed. Identify any outstanding granular reports not yet in the NGRBD. This task has low priority.

8) Examine consultants' lists for omissions

We have been provided with a number of lists over the last several years that were searched to locate outstanding granular reports. At some point these lists could be re-searched to determine current status. The Mollard list is a case in point: when searched initially Feb. 2, 2005, only 15 of the listed 52 titles were in ASTIS/NGRBD.

Acknowledgements

ASTIS would like to thank the Land and Water Management Directorate of Indian and Northern Affairs Canada, and Robert J. Gowan, for the opportunity to undertake this work. Our thanks also to Steve Rozak for providing most of the PDF files that we worked with.

APPENDIX 1

INFORMATION SHEET
FOR YELLOWKNIFE DEMONSTRATIONS

HALF-HOUR FREE INFORMATION EXCHANGE

YOU ARE INVITED TO ATTEND AN INFORMATION AND DEMONSTRATION SESSION ON THE ASTIS DATABASE AND ITS SUBSETS, WITH SPECIAL EMPHASIS ON THE NORTHERN GRANULAR RESOURCES BIBLIOGRAPHIC DATABASE

LOCATION:

DATE AND TIME:

The Arctic Science and Technology Information System (ASTIS) database contains over 60,000 records describing publications and research projects about northern Canada. ASTIS is a project of the Arctic Institute of North America (AINA) at the University of Calgary, and is available from a free bilingual website at:
<http://www.aina.ucalgary.ca/astis>

ASTIS includes all subjects and covers the Yukon, the Northwest Territories, Nunavut, the northern parts of seven provinces and Canada's Arctic waters. The publications cited in the database include grey and peer-reviewed literature primarily dating from 1978 to the present. Over 4800 ASTIS records link to full-text PDF files of publications. The 14,000 research project descriptions in ASTIS cover the period from 1974 to the present and are based on information supplied by the organizations that license all field research in the territories.

In order to focus resources on some important aspects of northern Canada, eleven subsets of the ASTIS database are available as separate databases from their own websites. Please see the list at:
http://www.arctic.ucalgary.ca/sections.php?sid=research&cid=astis_database.

The Northern Granular Resources Bibliographic Database (NGRBD), today's focus, is one of these subsets and describes over 1600 reports about granular resources in N.W.T., Nunavut, Yukon, and adjacent offshore areas. 500 of these records link to full-text PDF files of publications. The NGRBD is sponsored under contract by the Lands Program, INAC, and is available at:
<http://www.aina.ucalgary.ca/ngr>.

APPENDIX 2

TIP SHEET FOR YELLOWKNIFE DEMONSTRATIONS

Additional Tips for Searching the ASTIS and NGRB Databases

Most of the following points will be familiar to those acquainted with Web searching and are not necessary for executing Simple Searches, but are directed towards those interested in, but not yet well acquainted with, Advanced Searches.

There are search instructions "Using Simple Search" and "Using Advanced Search" on both the Simple Search and Advanced Search pages of the ASTIS and NGRB databases. If you experience any problems searching please call us, as we want to help you solve any difficulties and welcome your feedback.

Remember that when using the Simple Search page all words and all fields are automatically ANDed together; therefore, be very careful when using synonyms, as your search result will be reduced. From the Advanced Search page see Using Advanced Search, to AND, AND NOT, or to OR words or fields together.

In some browsers, from the Simple Search page it is possible to hit the Enter key instead of clicking on the Search button, but on the Advanced Search page it is necessary to click the Search button. Hitting the Enter key will take you to the next line and will not activate your search. If you do inadvertently hit the Enter key, remember to backspace up to the end of your search query before clicking the Search button.

If the record that you are viewing has a link to a PDF file, single click on the link to open the PDF file. Remember to use the Back button to return to your search result. Closing the PDF file will also close the database.

When searching the full ASTIS database, or one of the ASTIS subsets that includes both publications and research projects (NGRBD doesn't), remember to make the appropriate selection from the Record Type drop down list if you do not wish to include both record types in your search result.

The drop down lists under Subject Code and Geographic Code on the ASTIS Simple Search page provide a complete list of the broad subject and broad geographic codes used in the database. This list may be of help to you in constructing your search strategy and may be printed from the Using Advanced Search page.

To enhance a search result use the truncation character *, after typing in a sufficient number of characters. Truncate after a surname if it is sufficiently unique, or after the first initial, and after the singular form of a word.

The simplest way to determine what subject and geographic terms are available for searching is to examine the terms in the last section of a record and then create your search strategy accordingly. Clicking on a subject or geographic term in a record will do a search of the full database for all records containing that term. To combine a subject or geographic term with a search of other fields you will need to use the Advanced Search page.

Remember that you can copy a search query from the top of a Simple Search results page and paste it onto the Advanced Search page.

APPENDIX 3

ADDITIONAL INFORMATION FROM COMMUNICATIONS WITH THE VARIOUS ORGANIZATIONS AND DEPARTMENTS

All organizations were contacted or re-contacted by Lynne Howard on Dec. 18 and 19, 2006, for the purpose of offering free demos to promote the NGRB/ASTIS databases to anyone in their respective organizations who might be interested.

Janet Diveky, Librarian, **Public Works & Services Tech Library**, is available Tuesday-Thursday, 9:00 a.m. - 2:00 p.m. I have e-mailed her promotional info about the NGRB/ASTIS demo to circulate, as well as the URLs for NGRB/ASTIS databases. I had previously phoned the Dept. Head **Fred Collins** (867-6923), in the spring of 2006, to personally request permission to borrow a report that he felt was proprietary. Bob Gowan suggested that I ask if the status on that report has changed: "Community granular program: a business plan". Their office has several board rooms that we could meet in and the library also has space. Janet also suggested that I contact Tanya Krueger, the librarian at Environment Canada.

Environment Canada Library

Diamond Plaza, 5204 50 Ave., Suite 301

Tanya says that 50 Ave. is equivalent to Franklin Ave.

Librarian **Tanya Krueger**: Tanya.krueger@ec.gc.ca; 867-669-4717

Janet Diveky suggested that I be sure to call Tanya, who was very interested in a demo. I e-mailed the promo material to Tanya Dec. 20th. Her schedule is open so I can e-mail her with a suggested time to visit.

EBA Engineering: P.O. Box 2244, #201, 4916 - 49 St., Yellowknife, NT X1A 2P7

EBA Engineering opens at 8:00 a.m. **Ed Hoeve** says the earlier in Jan. the better, as they are expecting to be extremely busy in the New Year. Ed participated in Bob's session last fall and did try to access the NGRB database, but without much success.

I e-mailed Ed the list of missing EBA reports on the Mack. Hwy. and he checked his storage room. These reports have been sent to the Calgary office. He suggested that Larry Purcka, NWT Transportation, might have a set in his office; otherwise, I'll try the EBA office in Calgary.

The **ENR-ITI Library** (often just called the ITI Library). Eve Peterson replaced Allison Walsh for one year. They have both left and the library is being run for now by **Kim Ulyot**, Library tech. (She says her name is pronounced like Elliot starting with umbrella). She will be discussing my offer of a database demo with her supervisor: **Infomatics, Ron Graf** (867-920-3327) to see what he wants to do and she will then get back to me. She called back on Dec. 19 to let me know that she would call with a decision before Thurs., as she won't be in the office on Friday.

While at the ITI Library, I plan to obtain for indexing purposes "Remote sensing techniques for the delineation of buried granular deposits by Bird and Hale Ltd., 1982.

Their location code is NWYRR. This is the only report I came up with when I searched "granular" that was not yet in the NGRB database.

I e-mailed Kim the promo material Dec. 20 so they could advertise the event to determine interest. She feels that they are fairly flexible and that I should be able to give priority to other organizations with more restrictive schedules. Expect a response early in January.

N.W.T. Lands Library

Steve Skinner (867-669-2678) will be in touch with Char Coe and others to investigate the feasibility of coordinating a demo event.

I e-mailed his boss, **Marjorie Fraser**, Senior Land Specialist, Land Admin.

(FraserM@inac.gc.ca; phone: 867-669-2684; fax: 867-669-2713), for permission to access their collection, including a detailed listing of all of the reports that I hope to examine. She e-mailed me permission to work with their collection. I am expecting to partially photocopy and index between 36-40 reports.

INAC District Office, Yellowknife

Charlene Coe (Char), Land Use Administrator (867-669-2762), and her boss **Darnell McCurdy**, District Manager, have been very helpful. Char plans to advertise the event beyond YK, in case pipeline inspectors from outlying communities are also interested in flying in for the event. Two names she mentioned were **Marc Dion and Dan Elliot**.

She also said that she would be happy to arrange for someone to pick me up or drop me off, including to or from the airport, if my visit to their office coincides.

Darnell McCurdy: McCurdyD@inac.gc.ca; phone: 867-669-2760; fax: 867-669-2720

Address: 140 Bristol Ave., located by the airport.

Char has been very helpful in networking with other regional offices. I e-mailed Fran McCowan (mccowanf@inac.gc.ca) the dates of when I am going to be in YK and perhaps someone from the Ft. Simpson office can fly up for the demo.

Also, Ervin Allen faxed me a granular report to index from their Fort Smith district office: "Salt Mountain Granular Deposit, Ft. Smith area, Dec. 1982" (file #CIG 403.384). Char and Steve called me on 21 Dec. They have booked the whole afternoon of Jan. 18, 1:30 and hope they can book the training room in the Bellanca Bldg. Char will be contacting 8 different managers to see who and how many people can attend. She will get back to me.

NWT Geoscience Office (C.S. Lord Building)

4601-B 52 Ave.

Librarian Erin Palmer (867-669-2636). Erin suggested that I join them for Brown Bag Friday at 4 p.m. to attract the widest audience. She says I am welcome to use their collection and that they have space for me to work. Is=NWYING.

Unique organization: supported 50% Feds/50% NWT. They have a staff of 25.

Mackenzie Valley Environmental Impact Review Board (MVEIWB)

200 Scotia Centre, Box 938, 5102 - 50th Ave.

I spoke with **Vern Christensen, Executive Director** (867-766-7055), who directed me to call **Martin Haefele**, Senior Environmental Assessment Officer (**867-766-7053**). Now

that Martin better appreciates what the NGRB/ASTIS database covers, he is very interested.

Martin's schedule in January is tight. He has two days available, Jan. 19 and possibly the 22. We scheduled a demo for the 19th. Martin is gone from the office from Jan. 23 - Feb. 12. I e-mailed Martin the write-up that I had prepared for Janet and Murray Cutten.

Mackenzie Valley Land and Water Board (MVLWB)

Office hours: Mon.-Fri., 8:30-5:00, closed for lunch. 7th floor, 4910 50th Ave.

Executive Director: Robert Wooley

I spoke with Regulatory Officer **Adrian Paradis**: e-mail: adrian@mvlwb.com; phone: 867-766-7473 on Dec. 19. He is interested in a demo and will call Martin to determine the feasibility of piggy-backing onto Martin's demo, and then get back to me.

Bob Gowan indicated that some of the MVLWB applications have a category for quarry sites and that he thinks a worthwhile student work project would be going through their public registry website looking for reports for applications that include descriptions relating to quarry sites and granular resources.

NWT Archives, Prince of Wales Northern Heritage Centre

Director: Chuck Arnold

Contacts: **Tom Andrews, Arky, 867-873-7688** and **Glen McKay (Arky)**. One or both could be available. Tom asked that I contact him Jan. 10th at 10:00 p.m., if he hasn't remembered to call me. He is in a 2 day meeting on Jan. 8-9. E-mail details once the schedule gets firmed up: tom_andrews@gov.nt.ca.

NWT. Dept. of Transportation located in the Highways Bldg., 4510 - 50th Ave.

Larry Purcka, Manager of Technical Services (867-873-7647;

Larry_Purcka@gov.nt.ca).

The fourth week of Jan. works the best for him so we could consider Jan. 23 or 24th. He plans to bring people in from the Hay River Office and expects to form a group of 5-6 people. Larry invited Fred Collin's group to join with them, and they happily accepted. Larry has a number of Mack. Hwy. reports, hopefully the ones I need to review.

NWT Municipal & Community Affairs

Murray Cutten, Coordinator, Community Agreements (Pipeline Readiness Team) (867-873-7977; Murray_Cutten@gov.nt.ca)

The team offers advice and support to communities affected by the Mackenzie Gas Project through the pre-construction, construction and operation phases of the project. Their pipeline document library is only online for a limited period of time and is restricted for community-use only; therefore, no reports to review.

Murray sits on the Panel Hearings and said that Imperial had identified ~400 granular deposits and that they announced plans to do geotechnical studies on 150 - 50 or so. Try to get more information about this.

I e-mailed Murray the write-up on NGRB/ASTIS that was prepared initially for Janet. Verify the street address with Murray: NWT Municipal & Community Affairs, Pipeline Readiness Team, Northwest Tel Tower, 5th floor, 5201 - 50 Ave.

Dept. of Industry, Tourism and Investment, GNWT

I contacted Resource Development Specialist Christy Campbell (867-920-3222) with an offer to demo the NGRB/ASTIS database. She felt there would be little interest but agreed to pass along the offer to her supervisor who will get back to me if interested. I did not receive a reply. This was the only office of the 13 contacted who did not feel that the information contained in the NGRB/ASTIS database was relevant to their needs.